E v o l D i r

November 1, 2024

M o n t h i n R e v i e w

Foreword

This listing is intended to aid researchers in population genetics and evolution. To add your name to the directory listing, to change anything regarding this listing or to complain please send me mail at Golding@McMaster.CA.

Listing in this directory is neither limited nor censored and is solely to help scientists reach other members in the same field and to serve as a means of communication. Please do not add to the junk e-mail unless necessary. The nature of the messages should be "bulletin board" in nature, if there is a "discussion" style topic that you would like to post please send it to the USENET discussion groups.

Instructions for the EvolDir are listed at the end of this message.

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Conferences

Bordeaux Symbiosis Oct14

(Please feel free to circulate this announcement)

On Monday, October 14th, we organize in Bordeaux, France (*UTC+2*), an exceptional international conference with outstanding speakers on the concept of symbiosis and the many emerging conceptual and theoretical approaches to symbiosis and host-microbiome interactions in today's biology and philosophy of biology.

Program:

- Charlotte Brives < https://www.centreemiledurkheim.fr/notre-equipe/charlotte-brives/ > (Centre Emile Durkheim, CNRS Bordeaux, France), "Thinking through pluribiosis: the case of phage/bacteria relationships" - Gérard Eberl < https://research.pasteur.fr/fr/team/microenvironment-and-immunity/ > (Institut Pasteur, Paris, France), "How the immune system makes the difference between pathogens and mutualistsÂ or not" - Hannah Kaminski < https://immunoconcept.cnrs.fr/people/hannah-kaminski/ > (ImmunoConcept, University of Bordeaux, France), "Are damage and repair the features that microbiota and host develop to promote a stable association leading to symbiosis?" - Sarkis Mazmanian < https://sarkis.caltech.edu/ > (Caltech, USA), "The Gut Microbiome Modulates Brain Pathologies in Parkinson's Disease" - Margaret McFall-Ngai < https://carnegiescience.edu/dr-margaret-mcfall-ngai > (Caltech, USA), "Symbiosis brings together communities of different expertise: Retaining rigor in developing this frontier" - Spencer V. Nyholm < https://mcb.uconn.edu/person/spencer-nyholm/ > (University of Connecticut, USA), "Illuminating interactions between the immune system and symbiotic bacteria of the Hawaiian bobtail squid"

All practical details: https://www.philinbiomed.org/-event/symbiosis-conference/ *Registration (either in-person or virtual) is free but mandatory*: please complete the following form: https://rdv.immuconcept.org/-studs.php?sondage=bf5q4zjqeenn51pe This is a PhilInBioMed < https://www.philinbiomed.org/ > and ImmunoConcEpT event, organized by Thomas Pradeu, and funded by the Gordon and Betty Moore Foundation.

Looking forward to seeing you at this event.

Sincerely,

Thomas Pradeu CNRS Research Director in Philosophy of Science Immunology Unit ImmunoConcEpT, UMR5164, CNRS & University of Bordeaux Presidential Fellow, Chapman University, CA, USA Team Leader Conceptual Biology and Medicine Team < https://immunoconcept.cnrs.fr/conceptual-biology-medicine/ > Coordinator of the Philosophy in Biology and Medicine Network < https://www.philinbiomed.org/ > (PhilInBioMed)

Thomas Pradeu <thomas.pradeu.list@gmail.com>

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ing@mcmaster.ca)

GordonRes QuantGeneticsGenomics Feb16-21

The next Gordon Conference on Quantitative Genetics and Genomics, with the theme 'The Interactive Effects of Genetics, Environment and Ontogeny on Quantitative Traits' will be held at Lucca, Italy on 16th-21st Feb 2025. The final programme can be found here https://www.grc.org/quantitative-genetics-and-genomics-conference/2025/ . The GRC is a small conference with mainly invited speakers describing cutting-edge research across the fields of human biology and medicine, plant and animal improvement in agriculture and evolutionary biology. The meeting is held entirely in plenary and there is lots of time set aside for discussion.

Application to attend is via the above website and is due by January 19th, 2025. We encourage all attendees to offer posters - some participants will be asked to give short talks based on their poster abstracts.

The conference will be preceded by the Gordon Research Seminar on 15th-16th Feb at the same venue, which is specifically for early career scientists, especially PhD students. We will be hosting several senior scientists from academia, industry, and academic publishing for a panel discussion on careers in quantitative genetics who will also serve as mentors throughout the GRS and GRC. Because the GRS and GRC are intentionally small and focus on interactions between participants, they are ideal places to meet with scientists at a range of career stages and are a great opportunity for PhD students to broaden their network. The GRS plan so far can be found here: https://www.grc.org/quantitative-genetics-and-genomics-grs-conference/2025/ . Application to attend the GRS is via the above website. All GRS participants are required to provide a poster abstract on the application and may be selected to give a talk based on their abstract. There are still many slots available for talks and applications are due by November 10 to be considered for a talk. Applications for those only interested in bringing posters are due by January 18th, 2025.

Na Cai and Josephine Pemberton (GRC co-chairs)

Husain Agha and Lianyun Huang (GRS co-chairs)

The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th' ann an Oilthigh DhÃ¹n Ãideann, clàraichte an Alba, àireamh clàraidh SC005336.

Josephine Pemberton <J.Pemberton@ed.ac.uk>

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Lisbon Portugal EvolutionaryEthology Dec5-7

Dear colleagues and friends,

It is with great enthusiasm that I invite you to the XXI edition of the Portuguese Ethological Society (SPE) Congress, which will take place in Lisbon on December 5th, 6th, and 7th, 2024, at the Luso-American Foundation (FLAD). This event is organized in partnership with MARE - Marine and Environmental Sciences Centre and the Faculty of Sciences of the University of Lisbon. We kindly ask you to share this invitation widely within your institutions and networks.

The congress is designed to foster dialogue across multiple disciplines, with a particular focus on how ethology, behavioural ecology and how it intersects with evolutionary biology. Topics such as behavioural ecology, social learning, and cultural evolution are central themes of the event. These areas are key subfields of evolutionary biology, which is reflected in the structure of the congress and the selection of our plenary speakers.

We are pleased to announce an outstanding panel of speakers, two of whom will directly address evolutionary concepts:

- Prof. Kevin Laland (University of St Andrews, Scotland) will discuss themes from his upcoming book, "Evolution Evolving: The Developmental Origins of Adaptation and Biodiversity"

- Dr. Sally Keith (Lancaster University, England) will introduce the concept of "Macrobehaviour: Behavioural Variation Across Space, Time, and Taxa", exploring evolutionary implications of large-scale behavioural patterns.

The event will also include contributions from Dr. Megan Carey (Champalimaud Research, Portugal) and Dr. João Saraiva (CCMAR - University of Algarve, Portugal), bringing valuable insights from neuroscience and animal welfare, respectively. These talks, combined with workshops, poster sessions, and oral presentations,

aim to enrich our understanding of animal behaviour.

A highlight of this edition will be a debate on the impact of April 25th on science and scientific societies in Portugal, marking the 50th anniversary of this pivotal moment in the country's history. The discussion will focus on how this event shaped the evolution of research, education, and the scientific community.

We encourage your participation through oral or poster presentations, with the submission deadline extended to October 18th (NEW DATE). Additionally, we welcome workshop proposals for activities on December 7th at the Guia Maritime Laboratory in Cascais.

For more details about the congress, including submission guidelines and the full program, please visit our official website (www.etologia.pt/congress2024) and follow us on social media.

We look forward to your participation in making this congress a success and advancing discussions on ethology and evolutionary biology.

Kind regards,

José Ricardo Paula, PhD President, Portuguese Ethological Society (SPE) ISPA - Rua Jardim do Tabaco, 34 1149-041 Lisboa, Portugal www.etologia.pt geral@etologia.pt

José Ricardo Paula, PhD

Presidente

Sociedade Portuguesa de Etologia ISPA - Rua Jardim do Tabaco, 34 1149-041 Lisboa, Portugal www.etologia.pt geral@etologia.pt

José Ricardo Paula <jrpaula@ciencias.ulisboa.pt>

Lyon EvolutionaryGenomics Feb3-5

Dear all,

The next Alphy & AIEM joint meeting will take place in Lyon, France, on February 3-5 2025.

The central goal of the GDR AIEM is to address fundamental questions in evolutionary biology using a wide focus ranging for example from taking advantage of methods from quantitative statistics and applied mathematics, up to discussing historical and philosophical perspectives of the field. ALPHY is an annual meeting dedicated to the field of Bioinformatics and Evolutionary Genomics. The main goal of this meeting is to promote informal exchanges in this highly multidisciplinary field, and to encourage young scientists to present their work.

The program will include four keynote speakers (Fran?ois Rousset, ENS-Lyon; Elizabeth Murchison, University of Cambridge; Himani Sachdeva , Universitat Wien; Alexa Sadier ISEM) and ˜30 contributed talks.

The web site is open for registration and abstract submission (NB: registration is free, but mandatory): https://-/alphy-aiem-2025.sciencesconf.org/ Important dates: - Deadline for abstract submission: December 12 - Deadline for registration : January 10

See you at Alphy/AIEM!

The organizing committee - Guillaume Achaz, MNHM - Camille Berthelot, Institut Pasteur - Guillaume Beslon, BEAGLE - Simon Boitard, CBGP, INRAE - Vincent Castric, EEP - Damien de Vienne, LBBE - Laurent Duret, LBBE - Lucie Etienne, CIRI - Cl?mentine Fran?ois, LEHNA - Sylvain Gl?min, ECOBIO - Anouk Necsulea, LBBE - Laure S?gurel, LBBE - Marie S?mon, LBMC

Best regards,

Laure

Laure S?gurel

CNRS - UMR 5558 (LBBE Biom?trie & Biologie Evolutive)

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laure.segurel@univ-lyon1.fr

Madrid MolecularEvolution Aug25-27

The Journal of Molecular Evolution is proud to announce Journal of Molecular Evolution: A European Meeting to take place in Madrid, Spain, August 25-27, 2025. This meeting is co-sponsored by Journal of Molecular Evolution and the National Museum of Natural Sciences, where the meeting will be run. It is the 2nd in a periodic series of meetings that are rotating around

the world, following up on our meeting in Washington, DC in 2023.

The meeting is a free registration meeting. There will be talks from members of the Journal of Molecular Evolution editorial board, talks selected from submitted abstracts, and a poster session. Registration will be restricted to auditorium size, so please register soon with your abstract to ensure your spot. Priority will be given to those who register by March 1, 2025.

The meeting is timed for the week after ESEB in Barcelona, so this is chance to explore Spain while being engaged in the scientific community.

More information about the meeting can be found at: https://www.mncn.csic.es/es/investigacion/JME2025 . We hope to see you in Madrid in 2025.

David Liberles (with the meeting organizing committee)

Editor-in-Chief

Journal of Molecular Evolution

David A Liberles <daliberles@temple.edu>

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Online ConfidenceIntervalsVisualTesting Oct25Nov1

Hi everyone

In evolutionary biology, confidence intervals are often used for depicting the statistical uncertainty surrounding various estimates, including evolutionary divergence times, phylogenetic relationships, and effect sizes of biological processes. They help researchers understand the precision of their estimates and make informed inferences about evolutionary processes. However, since their invention in the 1930's, researchers have recognized that readers will try to make inferences comparing estimates by evaluating whether confidence intervals overlap. A long line of research has discussed the pitfalls of this and attempted to build inferences around the probability that confidence intervals overlap under the null hypothesis - essentially burdening the visual display with an additional hypothesis testing function.

To improve on this,Instats is offering free seminars on Using Confidence Intervals for Visual Testing for R (Oct 25) and Stata (Nov 1), with professor David Armstrong from the University of Western Ontario. These free seminars will explore new visual tools that allow researchers to understand the precision of their estimates and to visually compare different groups or conditions in a meaningful and statistically defensible way. Designed for researchers across many disciplines, the workshops will equip participants with the expertise needed to leverage confidence intervals effectively using R and Stata:

https://instats.org/seminar/using-confidence-intervals-for-visual-testing-in-r-2248 https://instats.org/-seminar/using-confidence-intervals-for-visual-testing-in-s-2166 Instats is also offering free seminars on Switching from SPSS to R (Nov 5) and Efficient Programming in R (Jan 27). We look forward to seeing you there!

https://instats.org/seminar/switching-from-spss-to-r-free-2-hour-se2 https://instats.org/seminar/efficient-programming-using-r-free-semi2 Best wishes

Michael Zyphur Director Institute for Statistical and Data Science instats.org

Michael Zyphur <mzyphur@instats.org>

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mzyphur@instats.org

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Online Emerging diseases Oct30

Dear colleagues,

Join us for the next MEEDIN (Montpellier Ecology and Evolution of Disease Network) < https://meedin-montpellier.com/ > webinar "Evolving threats : Ecology and evolution of emerging infectious diseases"

30th October at 2 PM (CET)

Link to the webinar: https://umontpellier-fr.zoom.us/-j/9517989371 Programme:

14h - 14h40: Laura Dickson (U. Texas): Trade-offs between desiccation tolerance and midgut infection in Aedes aegypti mosquitoes

14h40 - 15h10: Daniel Becker (U. Oklahoma): Field studies of immunity and infection in wild bats

15h10 - 15h20: break

15h20 - 16h00: Nisha Duggal (Virginia-Maryland College of Vet. Medecine): Emergence of Usutu virus, a neuroinvaisive arbovirus

16h00 - 16h40: Sebastian Lequime (U. Groningen): Reconstructing old emergences with archival samples

Organised by Stéphanie Jacquet (stephanie.jacquet1@ird.fr)

oliver.kaltz@umontpellier.fr

Oliver Kaltz Directeur de Recherche CNRS Institut des Sciences de l'Evolution (ISEM) UMR 5554 (CC065) Université de Montpellier Place Eugène Bataillon 34095 Montpellier Cedex 05 France

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Online ESEB InternalConflictsSTN Nov14

Dear colleagues,

We would like to invite you to the next online seminar for the "Internal Conflicts and Organismal Adaptation" Special Topic Network (STN) funded by the European Society for Evolutionary Biology, which will take place on November 14th at 16:00 UTC. Our speakers for this seminar are:

Bernie Crespi (Simon Fraser University): The fat that makes you thinner: genomic imprinting, brown adipose tissue, and human health.

DuÃÂ'lio Silva (National Institutes of Health): The mouse selfish Homogeneously Staining Region (HSR) biases its transmission by disrupting the development of genetically wild-type embryos.

We expect the meeting to take approximately 1.5 hours.

Meeting details:

Link: https://georgetown.zoom.us/j/99178105216
Date: November 14th, 2024

Time: 16:00 UTC

If you would like to get on our mailing list and take part in our upcoming events, please visit our website (https://internalconflictsstn.wordpress.com/) for more information.

Sincerely,

Manus Patten, Arvid Sgren, Martijn Schenkel, and Nina Wedell

The Internal Conflicts and Organismal Adaptation STN

"internalconflictsstn@gmail.com" <internalconflictsstn@gmail.com>

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Online ESEB STN Speciation Oct15

Dear colleagues,

A reminder that the next instalment of the online seminar series organised by the ESEB-funded STN network ≪ Integration Of Speciation research ≫ ([https://-speciation-network.pages.ist.ac.at/]) will be held on 15 October 2024 at ** 11am CET **

The upcoming session addresses the topic of "Neurobiology and behaviour in speciation". We welcome speakers Shannon B. Olsson (the echo network) and Stephen Montgomery (University of Bristol, UK).

The session will last 1.5 hours, with the first hour dedicated to talks from our speakers followed by questions. The last half-an-hour is dedicated to a more general discussion.

To attend the session live, please use the following link: https://gu-se.zoom.us/j/61028307681 Talks (but not the discussion session) are recorded and made available here: https://www.youtube.com/channel/-UClEkDdE_5sDw70SQq78DIAA . The IOS network aims to promote scientific integration and also integration of the community. A main objective is to foster diversity and inclusion across the field. The seminar series and subsequent discussion is open to everyone, from students to established researchers and non-scientists alike. To maximise the geographic diversity of attendees we alternate time slots every month. Please share this email with anyone who may be interested, especially those in countries that are typically underrepresented in scientific discourse.

The programme of the seminar series is announced by email, on Twitter (@Speciation_net) and on the IOS network website. To automatically receive the programme and other news from the IOS network, sign up to the network mailing list via the IOS website.

We look forward to seeing you there!

The STN IOS organising committee:

Jonna Kulmuni (chair), Chris Cooney, Sean Stankowski, Carole Smadja (co-chairs), Sonal Singhal, Liz Scordato, Joana Meier, Richard Merrill, Konrad Lohse, Nick Barton and Roger Butlin

NERC Research Fellow School of Biosciences University of Sheffield www.cooneylab.co.uk Chris Cooney <c.cooney@sheffield.ac.uk>

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Online SMTPB FeldmanPrizeTalks Oct31

Please join members of the Society for Modeling & Theory in Biology (SMTPB) for an online **Mini-Symposium** featuring the winners of the biennial **Feldman Prize** awarded by editors of Theoretical Population Biology.

October 31st 1PM-3PM Pacific Time on Zoom: https://uky.zoom.us/j/83052392962 Ferdinand Pfab (UCSB) "A time-since-infection model for populations with two pathogens"

Maxim O. Lavrentovich (Worcester State University) "Survival in branching cellular populations"

Einar Bjarki Gunnarsson (University of Iceland) "The site frequency spectrum of a neutrally evolving tumor"

For more information, visit https://smtpb.org/event-5887983 Jeremy Van Cleve

Associate Professor Department of Biology University of Kentucky E-mail: jvancleve@uky.edu Webpage: http://vancleve.theoretical.bio Twitter: @jeremyvancleve Phone: (859) 218-3020

"Van Cleve, Jeremy" <jvancleve@uky.edu>

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Online ViromeEcolEvolution Nov7

The ESEB funded Wild Animal Microbiome and Evolution network (WAME- https://www.wamestn.com/) are pleased to invite you to an online seminar entitled

"Virome Ecology & Evolution"

Speakers:

Dr. Ben Longdon: "Don't forget the virome: using insects and their viruses to study pathogen host shifts"

Dr Jayna Raghwani: "Linking host viromes with epidemiological dynamics"

Dr Laura Bergner: "Investigating links between age and viral diversity in wild bats"

When: Thursday November 7th 2024 Time: 1430-1630 GMT / 0930-1130 EST / 0630-830 PST Where: Online (zoom) via the following link https://ed-ac-uk.zoom.us/j/87913886830 ; passcode: W931Y4M1

All welcome!

Kind regards,

Sarah Worsley

University of East Anglia, Norwich, UK s.worsley@uea.ac.uk

"Sarah Worsley (BIO - Staff)" <S.Worsley@uea.ac.uk>

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Online YoungSystematists Nov15

26th YOUNG SYSTEMATISTS' FORUM

Friday 15th November 2024, 9:30 am GMT

Location: ZOOM Online Website: systass.org/young-systematists-forum/ Abstract deadline: 19th October 2024

The annual Young Systematists' Forum represents an exciting setting for Master's students, PhD students and young postdoctoral researchers to present their work, often for the first time, to a scientific audience interested

in taxonomy and systematics. This well-established event provides an important opportunity for budding systematists to discuss their research in front of their peers within a supportive environment. Supervisors and other established systematists are also encouraged to attend.

Prizes will be awarded for the most promising talk and flash presentation as judged by a small panel on the day.

Registration is FREE: https://systass.org/young-systematists-forum/ When you register you will be asked to supply your name, contact information and tell us whether you wish to give a full talk or flash presentation. Please also tell us your academic stage - e.g., Masters, PhD or postdoc and affiliation. Abstract submission and registration are separate portals, both on the YSF event page.

Abstracts must be submitted via the registration portal on our website no later than Saturday, October 19th 2024 (11:59PM GMT+1). The body text should not exceed 150 words in length. Title, authors, and their professional affiliations/addresses should be included with the abstracts.

Spaces will be allocated subject to availability and for a balanced programme of animal, plant, algal, microbial, molecular, and other research. Non-presenting attendees are also very welcome - please register as above.

If you have presented a talk at the YSF before, we ask that you submit only for a flash presentation, as speaker slots are limited and we want to give as many people a chance as possible. If you are a more senior postdoc, please be aware that it's unlikely we will be able to give you a chance to present here, as the aim is to give more junior researchers their first experience in a supportive international setting.

All registered attendants will receive further information about the meeting, including abstracts, by e-mail one week in advance. This information will also be displayed on the Systematics Association website (www.systass.org/young-systematists-forum/).

If you have questions, feel free to contact us at ysf@systass.org

Last year's meeting was very dynamic, with wide international attendance and great interactions.

We're looking forward to meeting you online!

YSF 2024 Organising Team: Ellinor Michel, Ana Serra Silva, Kalman Konyves, Peter Mulhair, Katie Collins, Karen Siu-Ting, Pablo Muï¿½oz-Rodrï¿½guez

Peter Mulhair <peter.mulhair@biology.ox.ac.uk>

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SanDiego California ComparativeGenomics Jan10-15

Dear colleagues,

We are excited to announce the call for abstracts for the Domestication, Ancient DNA, and Comparative Genomics sessions at PAG 32 from January 10-15, 2025

If you are interested in submitting an abstract, please fill out this Google Form before October 28th, 2024: https://docs.google.com/forms/-d/e/ 1FAIpQLSdesoWzyAX2aqKWx4VeK7nZ29_9Jl6Yk4KZX_7jt6tKtZWwnA/viewform

Feel free to distribute this link to as many people as you can think of.

Thanks to our sponsors, we are in a position to subsidise the registration fee for early career researchers and we would like to see as many of you as possible in a few months.

We will also be organising our annual dinner at Casa Guadalajara on the Sunday night and more information about that will be arriving in a separate email.

Thanks again and looking forward to receiving your abstracts!

All the best, Ancient DNA: Greger Larson & Ellie Armstrong (greger.larson@arch.ox.ac.uk; ellieearmstrong@gmail.com)

Domestication: Sarah Turner & Laurent Frantz (sarah.turner-hissong@bayer.com; laurent.frantz@lmu.de)

Comparative Genomics: Marc Tollis (marc.tollis@nau.edu)

Laurent Frantz <Laurent.Frantz@palaeo.vetmed.uni-muenchen.de>

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SanDiego PopulationConservationGenomics Jan10-15

Call for Abstracts Population and Conservation Genomics Workshop Plant and Animal Genome 32 (PAG 32) International Conference https://www.intlpag.org/-2025/ January 10-15, 2025 Town and Country Convention Centre, San Diego, California

The annual Population and Conservation Genomics workshop will be held at the Plant and Animal Genome 32 (PAG 32) International conference. You are invited to attend this Workshop and submit abstracts for oral presentations on any population and conservation genomics aspect of both plants and animals. The topics may include (but not limited to): population genomic diversity and structure; molecular evolution; pangenomes; phylogeography; landscape genomics; seascape genomics; natural selection and local adaptation; ecological and evolutionary genomics; population epigenomics; paleogenomics; eDNA; bioinformatics in population and conservation genomics; population genomics of speciation; metapopulation genomics; application of genomics in breeding, forensics, biogeography, demography inferences, and conservation and management of genetic resources; genomic effects of domestication, management practices, fragmentation, bottlenecks, climate and environment change, and transgenic deployment; and gene conservation; etc.

The Workshop will have 2 sessions with a provision for 12 invited speakers. Most of the invited presentations will be selected from the submitted abstracts. Please send your abstract of no more than 250 words by e-mail to Om Rajora (Om.Rajora@unb.ca) as an attached Word file no later than October 31, 2024. Please make sure to include complete affiliations of all authors and email address of the corresponding author. You will be notified by November 7, 2024 whether your abstract has been selected for an oral presentation. Thereafter, the selected presenters will need to submit their abstract to the PAG website. Authors whose abstracts are not selected for oral presentations are highly encouraged to present a poster at the conference.

Inquiries and Abstract Submission

For information and questions regarding the Population and Conservation Genomics workshop, please contact Om Rajora at the following coordinates.

Dr. Om P. Rajora University of New Brunswick Fredericton, NB E3B 5A3, Canada. E-mail: Om.Rajora@unb.ca Tel: (506) 458-7477

Om P. Rajora, Ph.D. Professor Faculty of Forestry and Environmental Management University of New Brunswick PO Box 44000, 28 Dineen Drive Fredericton, NB E3B 5A3, Canada

Telephone: (505) 458-7477 Email: Om.Rajora@unb.ca

Om Rajora <om.rajora@unb.ca>

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Tromso Norway SedaDNA Jun23-26 Newsletter

2nd SedaDNA Society meeting

Save the date for the 2nd SedaDNA Society Conference, held from June 24th-25th, 2025, in Tromsï¿½, Norway.

Pre-conference Workshops: June 23rd Post-conference Excursions: June 26th

Stay tuned! Early bird registration opens in early December 2024. For the latest updates register here for our newsletter https://forms.office.com/e/a1jH6wzNF3 Nichola Ann Strandberg <nichola.strandberg@uit.no>

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UExeter UK QuantAntimicrobialResistance Apr7-9

Quantitative Approaches to Antimicrobial Resistance: QAMR2025 Organiser: r.e.beardmore@exeter.ac.uk Venue: Venue Room C502 Amory Building, Streatham Campus, Exeter University, April 7-9 2025 Location: tinyurl.com/QAMR2025 Registration: tinyurl.com/QAMR2025reg Meeting poster and previous meetings: tinyurl.com/QAMR2025poster Fee: ï¿½50 (payment details will be made available following

registration)

Overview: This meeting will focus on applications of machine learning, artificial intelligence, mathematical & statistical modelling, imaging & technology development applied to questions from molecular genetics, strain libraries, evolutionary genomics, clinical phenomics (eg MIC datasets), PKPD and phage to try and understand, and hopefully help mitigate, the evolution of antibiotic resistance.

Contributed talks and posters will be welcomed, please click on the registration link to sign up.

Invited Speakers: Speakers come from backgrounds that range from technology development to quantitative modelling, clinical work to evolutionary microbiology: Remy Chait, Ivana Gudelj, Johan Paulsson, Stefano Pagliara, Amir Mitchell, Izzy Norville, Jess Blair, Hinrich Schulenberg, Elaine Bignell, Matthijs Berends, Gus Hamilton, Amy Mathers, Gwen Knight, Leonid Chindelevitch

R.E.Beardmore@exeter.ac.uk

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ULausanne Switzerland Biology25 Feb12-14

Dear colleagues,

We are delighted to announce that registration and call for abstracts for the Biology25 conference are now open! The conference will take place on February 13-14, 2025, at the University of Lausanne, Switzerland, with engaging satellite events on February 12.

Biology25 is the largest conference dedicated to organismal biology in Switzerland and serves as the annual joint meeting of the Swiss Zoological Society, the Swiss Botanical Society, and the Swiss Systematics Society. It offers a great opportunity for PhD students and early-career researchers to showcase their research.

The 2-day in-person meeting will feature dozens of contributed talks and posters of research in the fields of evolutionary biology and ecology, and keynote talks by Inger Greve Alsos (Arctic University of Norway, Norway), Susana Coelho (Max Planck Institute for Biology Tï¿½bingen, Germany), Joanito Liberti (University of Geneva, Switzerland), and Andreanna Welch (Durham University, Uniter Kingdom). On February 13th, we will host the traditional Darwin dinner, with a special lecture by Catherine Peichel (University of Bern, Switzerland).

The deadline for abstract submission is November 15, 2024.

On February 12th, we are organizing four satellite events on the topics:

- Selfish genetic elements and within-organism conflicts

- SDM-CH: Modeling species distributions in Switzerland for science and applications

- Harnessing single-cell omics in evolutionary biology research

- PhyloSIB: Workshop on molecular evolution, phylogenetics, and comparative phylogenomics

More details can be found on our website: https://-biology25.ch For any questions, contact us at biology25@unil.ch

Follow us on BlueSky https://bsky.app/profile/-biology25.bsky.social and X https://x.com/-Biology25UNIL and spread the word #Biology25

We hope to see many of you here in Lausanne next year!

Sincerely,

The Biology25 organizing committee

Iulia Darolti <iulia.darolti@unil.ch>

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UMuenster Germany Evolution Mar17-20

Muenster Evolution Meeting 2025

Dates: 17-20 of March 2025

Abstract submission is open now: https://indico.uni-muenster.de/event/2834/ Abstract submission deadline: 15 November 2024

MEM aims at bringing together Evolutionary Biologists working across different fields in German-speaking countries in a smaller setting, to allow for intensive networking and discussion.

For the third iteration of MEM, we will have a special Graduate Excellence Symposium. This symposium provides a forum for current PhD students to present their research. A committee will select up to 8 graduate students from different subfields of evolutionary biology.

We also have a novelty for our poster presenters. You will have the opportunity to present your poster in a flash talk before the poster session

Regarding the conference fee, the final budget is not clear yet, but we are planning with the following registration fees (subject to change!) 150 euro for PhD or MSc students 200 euro for postdocs, PIs, etc.

The list of invited speakers and further information can be found on the MEM website: https://www.uni-muenster.de/Evolution/MEM/main.shtml Please spread the word and feel free to forward it to your colleagues!

We are looking forward to seeing you next spring in Münster, Dhevi Kalyanaraman, Jürgen Gadau, Katja Nowick and Pete Czuppon (MEM organizers)

"Czuppon, Peter" <p.czuppon@uni-muenster.de>

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Ventura California Speciation Mar1-2

Registration is open for any graduate students or postdocs interested in attending the Speciation Gordon Research Symposium (GRS), Ventura CA, March1-2 2025. This Symposium is for graduate students and postdocs only, and precedes the Speciation Gordon Research Conference (GRC) March 2-7 in the same venue. The deadline to submit abstracts for talks at the GRS is November 24, and there are still spaces available for registrations.

register for the GRS here (postdocs and grad students only) and submit a talk or poster abstract: https://-www.grc.org/speciation-grs-conference/2025/ register for the GRC here (postdocs and grad students and faculty all welcome), and submit a poster abstract: https:/-/www.grc.org/speciation-conference/2025/ Sincerely, Dan Bolnick (Speciation GRC Chair) University of Connecticut

Information about the Speciation GRC follows: Proximate Mechanisms and Ultimate Consequences of Speciation

The Speciation GRC is a premier, international scientific conference focused on advancing the frontiers of science through the presentation of cutting-edge and unpublished research, prioritizing time for discussion after each talk and fostering informal interactions among scientists of all career stages. The conference program includes a diverse range of speakers and discussion leaders from institutions and organizations worldwide, concentrating on the latest developments in the field. The conference is five days long and held in a remote location to increase the sense of camaraderie and create scientific communities, with lasting collaborations and friendships. In addition to premier talks, the conference has designated time for poster sessions from individuals of all career stages, and afternoon free time and communal meals allow for informal networking opportunities with leaders in the field.

Speciation is the process by which one species splits into two, leading to increases in biological diversity, both in terms of species richness and phenotypic diversity. The process of speciation entails a combination of phenotypic, genetic, ecological, and reproductive divergence. Often speciation research focuses on the emergent outcome of this divergence, such as reproductive isolation. But, the genetic divergence has detailed mechanistic underpinnings that must be understood if we are to build a comprehensive view of speciation processes. For example, hybrid inviability may be understood more fully through the lens of gene regulatory networks, or developmental biology. Premating reproductive isolation in animals often requires an understanding of the neurobiology and behavioral mechanisms of mate choice, while pollinator-mediated isolation between plants requires an understanding of pollinator ecology and sensory biology and behavior. Ecological speciation can trace its roots to detailed mechanistic understanding of prey capture and foraging decisions (for competition driven speciation), predator-prey interactions, or immunology for parasite-driven speciation. Speciation research therefore is enriched when it draws on detailed analysis of proximate mechanisms (e.g., genetic, developmental, physiological, ecological) that produce emergent properties like reproductive isolation. For the 2025 GRC on Speciation, we seek to bring together biologists studying a range of mechanistic processes that are pertinent to our understanding of speciation, to interact with other biologists who may make speciation and macroevolution their primary focus. By bridging the study of proximate mechanisms of divergence and ultimate outcomes for biodiversity, we hope to foster new collaborations, new insights, and to broaden the speciation research community.

This GRC will be held in conjunction with the "Speciation" Gordon Research Seminar (GRS). Those interested in attending both meetings must submit an application for the GRS in addition to an application for the GRC. Refer to the associated GRS program page < https://www.grc.org/speciation-grs-conference/-

2025/ > for more information.

The topics, speakers, and discussion leaders for the conference sessions are displayed below. The conference chair is currently developing their detailed program, which will include the complete meeting schedule, as well as the talk titles for all speakers. The detailed program will be available by November 2, 2024. Please check back for updates.

Mating System Evolution and Speciation Discussion Leaders

* Yaniv Brandvain (University of Minnesota, United States)

Speakers

* Katja Kasimatis (University of Virginia, United States)
* David Moeller (University of Minnesota, United States)

Developmental Biology as a Basis for Divergence, Isolation, and Speciation Discussion Leaders

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Ventura California Speciation Mar2-7 Registration

Registration is now open for any graduate students, postdocs, faculty, or researchers interested in the Speciation Gordon Research Conference, Ventura CA, March 2-7 2025

https://www.grc.org/speciation-conference/2025/
Proximate Mechanisms and Ultimate Consequences of Speciation

The Speciation GRC is a premier, international scientific conference focused on advancing the frontiers of science through the presentation of cutting-edge and unpublished research, prioritizing time for discussion after each talk and fostering informal interactions among scientists of all career stages. The conference program includes a diverse range of speakers and discussion leaders from institutions and organizations worldwide, concentrating on the latest developments in the field. The conference is five days long and held in a remote location to increase the sense of camaraderie and create scientific communities, with lasting collaborations and friendships. In addition to premier talks, the conference has designated time for poster sessions from individuals of all career stages, and afternoon free time and communal meals allow for informal networking opportunities with leaders in the field.

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Speakers

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Developmental Biology as a Basis for Divergence, Isolation, and Speciation Discussion Leaders

* Asano Ishikawa (The University of Tokyo, Japan)

Speakers

* Daehan Lee (Sungkyunkwan University, South Korea)
* Claudius Kratochwil (University of Helsinki, Finland)
* Virginie Courtier-Orgogozo (CNRS - Institut Jacques Monod - Univ Paris Cite, France) * Polina Novikova (Max Planck Institute for Plant Breeding Research, Germany)

Neurobiology of Mate Choice and Premating Isolation Discussion Leaders

* Amanda Moehring (Western University, Canada)

Speakers

* Yuki Ishikawa (Nagoya University, Japan) * Richard Merrill (LMU, Munich, Germany) * Markus Knaden (Max Planck Institute for Chemical Ecology, Germany)

Beyond Traditional DMI Models: The Role of Incompatibilities in Speciation

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Vila do Conde Portugal EvolBiol Dec19-20

XX ENBE 2024 - Annual Meeting of the Portuguese Association for

Evolutionary Biology - 19th and 20th December 2024

Dear Colleague,

The registration for the XX ENBE Annual Meeting (https://enbe2024.rd.ciencias.ulisboa.pt/) of the Portuguese Association for Evolutionary Biology is now open!

ENBE is an annual meeting promoted by the Portuguese Association for Evolutionary Biology (APBE) in collaboration with universities and research centers in Portugal. This year it will be held in Vila do Conde - organized by CIBIO-InBIO researchers and students.

The scientific program will include three plenary presentations, as well as oral and poster presentations. The XX ENBE keynote speakers are:

Margarida Cardoso Moreira - Evolutionary Developmental Biology Lab, The Francis Crick Institute, London, United Kingdom

José Cerca - Centre for Ecological and Evolutionary Synthesis, University of Oslo, Oslo, Norway

Allowen Evin - Institute of Evolutionary Science of Montpellier, University of Montpellier, Montpellier, France

More information about the invited speakers can be found here: https://enbe2024.rd.ciencias.ulisboa.pt/-plenary-speakers/ Important dates and links

ABSTRACT SUBMISSION DEADLINE: 15 NOVEMBER 2024 Submit your abstract here - https://-enbe2024.rd.ciencias.ulisboa.pt/abstract-submission/ REGISTRATION DEADLINE: 30 NOVEMBER 2024 Register here - https://enbe2024.rd.ciencias.ulisboa.pt/-registration/ Email: xxenbe@gmail.com

We look forward to welcoming you in Vila do Conde - Associaçāo Biopolis, CIBIO-InBIO, Portugal!

On behalf of the organizing committee,

Rui Faria

Manuel Curto <mcurto@cibio.up.pt>

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Zoogeography Athens Jul3-6

Dear Colleagues

It is with great pleasure that we announce that the 16th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions will take place in July 2025 (3-6) in Athens, Greece. The Congress is under the aegis of the Biology Department of the

National and Kapodistrian University of Athens and is organized by the Hellenic Zoological Society and WWF Hellas.

Please visit https://iczegar16.hzoos.gr/, providing all necessary information. We believe that the Conference appeals to the members of your Society and we would be grateful if you could share the Circular with them. For any question or clarification, please feel free to contact us.

Looking forward to meet you again in Athens!

On behalf of the organizing committee

Christos Georgiadis

"cgeorgia@biol.uoa.gr" <cgeorgia@biol.uoa.gr>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

GradStudentPositions

AMNH NewYork ComparativeBiology

We are now accepting applications for our Ph.D. in Comparative Biology Program and Graduate Fellowships Program at the American Museum of Natural History's Richard Gilder Graduate School for Fall 2025. Deadline: December 15, 2024.

The AMNH Ph.D. Program in Comparative Biology is training the next generation of biologists through an integrative approach focused on the history, evolutionary relationships, and interactions among species. It builds

on the Museum's strength and experience in research and training, educating a new generation of scientists to become leaders in understanding the history and diversity of life on Earth and in disseminating their work in ways that will support advances in biological research, human health, biodiversity conservation, and other related fields. This is an accelerated program, designed for students to complete their degrees in four years. The Richard Gilder Graduate School will typically provide full financial support to students matriculating in the Comparative Biology Ph.D. Program.

We also offer Ph.D. Graduate Fellowships for students interested in earning a Ph.D. at one of our partner institutions. The AMNH Graduate Student Ph.D. Fellowship Program is an educational partnership with selected universities, dedicated to the training of Ph.D. candidates in those scientific disciplines practiced at the Museum. Our current collaborations are with Columbia University, City University of New York (CUNY), Cornell University, Stony Brook University, and New York University (NYU). The host university in which the student enrolls exercises educational jurisdiction over the students and formally awards the degree. In these partnership programs, at least one Museum curator must serve as a graduate advisor, co-major professor or major professor, and adjunct university faculty member. Each student benefits by having the staff and facilities of both the university and the Museum to support his/her training and research. To be eligible for the AMNH Graduate Ph.D. Fellowship, students must apply to both the host University's Ph.D. program and to the AMNH Graduate Student Ph.D. Fellowships Program. Students already matriculated in a Ph.D. program are not eligible to apply; only new, first-time Ph.D. applicants will be considered.

Students who plan to apply to both the RGGS Comparative Biology Ph.D. Program and to the Graduate Fellowship Program complete one single application, indicating on the application the program(s) to which they wish to apply. Students applying for the Graduate Fellowship must also apply for admission to at least one Ph.D. Program at one of the Museum's Partner Institutions.

Admission offered for the fall semester only

Applicants are strongly encouraged to contact a member of the faculty prior to application (see: https://www.amnh.org/research/richard-gilder-graduate-school/faculty).

Students applying for the RGGS Graduate Fellowship program and applying to the Columbia Department of Ecology, Evolution and Environmental Biology (E3B) should ALSO contact a potential faculty co-mentor in that Department, in advance of applying, with the goal of identifying potential Columbia E3B and AMNH-RGGS co-advisors. Columbia E3B faculty listing: https://e3b.columbia.edu/faculty/ . For more information and to apply, please go to: https://www.amnh.org/research/richard-gilder-graduate-school/academics-and-research/fellowship-and-grant-opportunities/doctoral-student-fellowships
Anna Manuel <amanuel@amnh.org>

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ArkansasStateU EvolutionaryGenomics

The Sweet Lab at Arkansas State University is recruiting a PhD student to work on an NSF-funded project that seeks to understand the evolution of fragmented mitochondrial genomes in parasitic lice. The student will use molecular and bioinformatic approaches to address hypotheses related to genomic evolution, mito-nuclear coevolution, and phylogenetics. The student will also be part of a collaborative team that includes researchers from Arkansas State, the University of Illinois, and Purdue University. Funding is available in the form of a Research Assistantship for at least two years and Teaching Assistantships for the remaining time in the program.

Arkansas State offers a Ph.D. program in Molecular Biosciences (https://www.astate.edu/college/sciences-and-mathematics/doctoral-programs/molecular-biosciences/). Applicants who are citizens or permanent residents of the U.S. are also eligible to apply to be funded as a trainee in the UandI-DEECoDE program, which provides access to funds for travel and a one-year stipend. UandI-DEECoDE (pronounced "You and I decode"), which stands for Understanding Invasion and Disease Ecology and Evolution through Computational Data Education, is a research traineeship that aims to address the absence of interdisciplinarity across invasion biology, disease ecology, and data science by effectively bridging these disciplines and improving the pace and magnitude of scientific discovery across these fields (https://www.astate.edu/uandideecode).

Qualifications: Applicants should have a B.S. degree in biology, bioinformatics, evolutionary biology, or a related field. Competitive applicants will also have experience with a programming language (Python, Perl,

R, etc.), bioinformatics (phylogenetics, molecular evolution, etc.), and/or basic molecular lab skills (DNA extractions, PCR, etc.). An M.S. in evolutionary biology, bioinformatics, or a related field is preferred but not required. GRE scores are preferred, but not absolutely required for admission into the graduate program.

Application: To apply, please send the following materials to Dr. Drew Sweet (asweet@astate.edu) with the subject line "PhD application": 1) a one-page cover letter detailing your interest in the position, 2) CV, 3) unofficial transcripts, 4) a writing sample (if possible), and 5) contact information for three professional references.

Deadline: January 1, 2025

Please send any questions about the position to asweet@astate.edu.

Andrew D. Sweet, Ph.D. Assistant Professor of Evolutionary Biology Department of Biological Sciences Arkansas State University Jonesboro, AR USA Website: https://www.sweetomics.com/ asweet@astate.edu

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BielefeldU Germany CommonTernEcoEvoDynamics

PhD position in the eco-evolutionary dynamics of a natural population of common terns at Bielefeld University, Germany

Project description:

The PhD position is embedded in the DFG-funded research project "Of terns and change: eco-evolutionary dynamics in a rapidly changing environment" led by Dr. Maria Moiron. The recent realization that evolutionary change can relatively rapidly affect ecological and demographic processes and thus determine populations' ability to cope with rapid changes in the environment has led to a swift increase in empirical studies focusing on the feedbacks between ecology and evolution ("eco-evolutionary dynamics"). This project will combine approaches from quantitative genetics and evolutionary demographics to address fundamental questions related to eco-evolutionary dynamics in the wild. The main aim of the PhD project is to address these questions by means of empirical tests using a unique dataset from a long-term study population of common terns (*Sterna hirundo*). The person hired within this project will be working closely with, and be co-supervised by, Prof. Dr. Sandra Bouwhuis from the Institute of Avian Research in Wilhelmshaven, Germany.

Main responsibilities: Research tasks (95 %): - field work as part of an international team in a natural population of common terns - statistical analysis of individual-based, long-term data, incorporating pedigree information - collaboration with other researchers, including at Bielefeld University and at the Institute of Avian Research - preparation of contributions for scientific conferences - writing scientific publications for international journals

Other tasks (5 %): - organizational tasks within the research group

We look forward to receiving your application, which should include a motivation letter and a CV. Full details about the position and application procedure can be found here: https://tinyurl.com/bdd2tdxw . The application deadline is 25.10.2024. Interviews will be held in early to mid-November. We aim to start the project on 01.02.2025.

For further information regarding the application procedure or the project, please contact Dr. Maria Moiron (maria.moiron@uni-bielefeld.de). Lab Websites: https://mariamoiron.weebly.com/ and https://sites.google.com/site/drsandrabouwhuis/ Dr Maria Moiron Research associate, Department of Evolutionary Biology, Bielefeld University (GER) https://mariamoiron.weebly.com/ Maria Moiron <mariamoironc@gmail.com>

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CIBIO Portugal IslandBirdEvolution

*Master Thesis Research Opportunity: Diet Divergence in Island Endemic Birds of Sāo Tomé*Are you enthusiastic about island ecosystems, species interactions, and evolutionary biology? Join our exciting project exploring diet divergence in Sāo Tomé's endemic birds!

*Why island birds?*Islands are unique environments characterized by limited resources, fostering distinctive adaptations in species. This often leads to a broader diet range and reduced interspecies competition compared to the mainland, but increased intraspecific com-

petition (Blondel 2000, Grant 1965, Sfenthourakis & Triantis 2009, Schoener 2010). Our focus is to understand how these pressures influence diet specialization between males and females, which may result in sexual dimorphism (Ebenman & Nilsson 1982, O'Connell et al. 2019).

*What will you investigate?*In this master's project we aim to compare the diet of females and males of several endemic birds from São Tomé and answer: 1. Do males and females exploit different food sources? 2. Generalist vs. Specialist Species: Which types of species show greater diet divergence between sexes? 3. How does diet niche variation relate to morphological traits like bill shape?

*What will you do?*1. Conduct DNA metabarcoding from previously collected faeces and blood samples. 2. Use genetic data to identify diet composition and determine the sex of monomorphic species. 3. Use bioinformatics to analyse diet breadth and niche differences between sexes. 4. Correlate diet data with morphological characteristics. 5. Fieldwork: Depending on timing and student motivation, an expedition to São Tomé may be possible for additional sample collection.

*More information*The work will primarily be done at the CIBIO-Biopolis, Vairão, Vila do Conde, Portugal. Working periods in partner Research Institutions may take place. Duration of the project: 6 months (can be extended depending on the master's programme) Expected starting date is early 2025 (February or March). *This position is not paid but there is a possibility to apply for funding* (Erasmus Mundus, etc).

*Who should apply?*We are seeking an enthusiastic, motivated student interested in evolutionary biology, ecology, and bioinformatics. Lab and field experience is a plus, but passion and a willingness to learn are essential. Interested candidates should provide: (1) a motivation letter with a statement of research interests, skills and experience relevant to the position, (2) a CV, (3) contact details of two referees, (4) copies of previous degrees transcripts.

Join Us! This is a great opportunity to contribute to cutting-edge research in island ecology and evolution. You can check more about our work at www.islandbirdproject.com The application call is open between 21/10/2024 and 1/12/2024. Candidatures or informal queries should be emailed to Raquel Ponti raquelponti@gmail.com, and Ana Leitão anamvleitao@gmail.com.

References: Sfenthourakis & Triantis (2009). Habitat diversity, ecological requirements of species and the Small Island Effect. Divers. Distrib., 15, 131-140.

Schoener (2010). The MacArthur-Wilson Equilibrium Model. The theory of island biogeography revisited, 52-87.

Blondel (2000). Evolution and ecology of birds on islands: trends and prospects. Vie et Mil./Life & Env., 205-220.

Grant (1965). The adaptative significance of some size trends in island birds. Evolution, 355-367.

Ebenman & Nilsson (1982). Components of niche width in a territorial bird species: habitat utilization in males and females of the chaffinch (Fringilla coelebs) on islands and mainland. Am. Nat., 119, 331-344.

O'Connell, et al. (2019). Increased sexual dimorphism in dense populations of Olive-backed Sunbirds on small islands: morphological niche contraction in females but not males. Emu 119, 296-307.

Ana Leitão <anamvleitao@gmail.com>

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ClemsonU EvolutionaryGenomics

The Lewis lab at Clemson University is recruiting two PhD graduate students for the 2025 application cycle! We work at the intersection of population, quantitative, and functional genomics to investigate the genetic architecture and evolution of wing pattern mimicry and other phenotypes in butterflies. These positions are currently supported by an NSF CAREER award. We are open to individuals interested in either wet-lab or computational (or hybrid) PhD projects and specific projects will be tailored to the interests and goals of each student.

Clemson University is an R1 institution located in beautiful Clemson, SC, which is in upstate South Carolina at the base of the Blue Ridge mountains. Students will be part of the diverse and collaborative Department of Genetics and Biochemistry on Clemson's main campus.

Check here more information on our research interests and recent publications: http://-www.jameslewislab.com/ Questions about the lab and our research are welcome! Please email James Lewis (jjl8@clemson.edu) with any inquiries!

PhD applications are due on December 1st. GRE test scores are not required and there is no application fee.

James Lewis Assistant Professor Dept. of Genetics and

Biochemistry Clemson University

James J Lewis <jjl8@clemson.edu>

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ClemsonU SeasonalPlasticityGenetics

The Van der Burg lab is currently seeking 1-2 applicants for the 2025 application cycle! We work on the evolution, genetics and physiology of seasonal plasticity in butterflies and moths. Current projects include: (1) investigating how seasonal signaling differences are regulated at the molecular level in butterflies, and (2) how winter diapause is regulated at the molecular level in moths. Specific projects will be tailored to individual students.

For more information on the specific research projects and recent publications, please visit https://-www.vanderburglab.com/research . Currently, two years of funding is available, with additional funding available through TA-ships and grant funding upon succesful application.

Clemson University is an R1 research institute located in beautiful upstate South Carolina. Students will join through the department of Biological Sciences on Clemson's main campus.

If you are interested or have any questions, please reach out to me directly via email at karinv@clemson.edu.

PhD applications are due on December 1st. GRE test scores are not required and there is no application fee.

Karin van der Burg Assistant Professor Dept. of Biological Sciences Clemson University

Karin Van der Burg <karinv@clemson.edu>

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ColoradoStateU EcolAndEvolution

The Ecology program at Colorado State University < https://ecology.colostate.edu/ > (CSU) welcomes applicants for MS and PhD students to start Fall 2025. We provide a positive graduate school experience and outstanding education in ecology across a range of ecosystems, taxa, and subdisciplines. Our goal is to offer students strong training for professional success across a variety of career paths. In addition to the ecological core, we offer a specialization in human-environment interactions. Currently, we support a vibrant community of over 100 students. We are committed to creating a safe, welcoming and supportive environment.

The preferred application deadline is December 1, which is also a free application day! Details on applying are available here < https://ecology.colostate.edu/apply/ >.

Many faculty members are open to taking students, and specific opportunities include:

Dr. Anping Chen < https://-scholar.google.com/citations?hl=3Den&user=-3D4ZoN5wgAAAAJ&view_op=list_works&sortby=-pubdate > working on dryland ecology, vegetation dynamics, remote sensing, soil-vegetation-climate feedbacks

Dr. Dhruba Naug < https://-socialbehaviorlab.colostate.edu/ > working on behavioral and evolutionary ecology

Dr. Jonna Yarrington < https://-www.libarts.colostate.edu/people/jmyarr/ > working on human-environment interactions

Dr. Paul Ode < https://agsci.colostate.edu/old-agbio/-people-button/faculty/paul-ode/ > working on plant-insect interactions and ecoimmunology

Dr. Phuong Dao < https://daolab.weebly.com/ > working on remote sensing, plant stress, precision agriculture, and applications of machine learning

Dr. Cynthia Brown < https://agsci.colostate.edu/old-agbio/people-button/faculty/cynthia-brown/ > working on restoration and plant invasion ecology

Dr. DeeDee Wright < https://-www.biology.colostate.edu/person/?id=-3D7180CF598A69115FF37FE55066147769&sq=t > working on ecology education

Other faculty members are potentially open to taking students. Some of the general subjects they study include: grassland ecology and climate change, evolutionary ecology, climate scenario science, futures theory, and climate policy.

Graduate student salaries are generally provided through faculty advisors < https://-ecology.colostate.edu/faculty-directory/ > in the form of research or teaching assistantships. Tuition is typically covered for students supported by assistantships and health insurance is available. A confirmed advisor is necessary for admission to the program, but not for application submission. Most students accepted to the program find advisors through their shared interests. Financial support is often in flux given pending grants, so there is no need to wait to see a particular position advertised. Advisors interested in accepting a student typically work with the students to procure funding from various sources. Thus, we encourage prospective students to reach out directly to faculty members with expertise in your area of interest.

CSU is located in beautiful Fort Collins, on the foothills of the Rocky Mountains, and has been voted as one of the best places in the United States to live with easy access to outdoors activities, such as rafting, skiing, and rock climbing. This small, bike-friendly community has a vibrant art, music, and restaurant culture and is about hour from Denver, CO.

Colorado State University is an equal opportunity and equal access institution, and affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding nondiscrimination and affirmative action.

Best wishes, Ruth Hufbauer

Ruth Hufbauer, she/her/hers Director: Graduate Degree Program in Ecology < https://-ecology.colostate.edu/ > Professor: Department of Agricultural Biology < https://agsci.colostate.edu/-agbio/ > PI: Faculty Success < https://-facultysuccess.colostate.edu/ > Advance Grant Lab webpage: Applied Evolutionary Ecology

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ColumbiaU AMNH NYBotGarden

Columbia University has a new PhD Fellowship in combination with the American Museum of Natural History (AMNH). The details are below:

Columbia University has a new PhD Fellowship in combination with the New York Botanical Garden (NYBG). The details are second below:

Ph.D. Fellowship Opportunities at the Department of Ecology, Evolution and

Environmental Biology at Columbia University and the Richard Gilder Graduate School atThe American Museum of Natural History

The Department of Ecology, Evolution, and Environmental Biology at Columbia University (https:/-/e3b.columbia.edu/) and the Richard Gilder Graduate School at The American Museum of Natural History (RGGS) (https://www.amnh.org/research/richard-gilder-graduate school/academics/fellowship-and-grant-opportunities/doctoral-student-fellowships) are seeking doctoral students interested in studying across the two institutions with preference given to students with academic interests in areas of biology/zoology that draw on the combined expertise of scientists at Columbia and the AMNH.

Interested students should contact a potential mentor in each institution in advance of applying, with the goal of identifying potential Columbia E3B and AMNH-RGGS co-advisors. When contacting potential mentors, please include your CV and a brief statement about your interests and background. Students will be guaranteed five years of support.

Details on the application process for Columbia admissions are available here (https://e3b.columbia.edu/-students/prospective/phd/), and for the RGGS Graduate Fellowship here (https://www.amnh.org/-content/download/425242/6176368/file/doctoral-program-and-fellowships-instructions-fall-2025.pdf) Note: an AMNH-RGGS faculty advisor/co-advisor is necessary for all awardees of this fellowship.

Ph.D. Fellowship Opportunities at the Department of Ecology, Evolution and *Environmental Biology at Columbia University and the New York Botanical Garden*

The Department of Ecology, Evolution, and Environmental Biology at Columbia University (https://-e3b.columbia.edu/) and the New York Botanical Garden (NYBG) (https://www.nybg.org/plant-research-and-conservation/science-programs/) are seeking doctoral students interested in working across the two institutions.

Research areas include plant ecology and evolution, conservation and restoration, and plants and people. Interested students should contact a potential mentor in each institution with the goal of identifying potential co-advisors.

Please include your CV and a brief statement about your interests and background. Preference will be given to students with interests that draw on the combined expertise of scientists at Columbia and NYBG. Students will be guaranteed five years of support. Details on the application process for Columbia are available here (https://-e3b.columbia.edu/students/prospective/phd/) and for NYBG here (https://www.nybg.org/plant-research-and-conservation/science-programs/commodore-matthew-perry-graduate-studies-program/). Students will need to submit an application to each program.

Maire Keane <mk4283@columbia.edu>

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ColumbiaU GenomicsSpeciation

We're recruiting graduate students to the Delmore Lab at Columbia University! We're broadly interested in behavior, speciation, and genomics. We use hybrid zones between songbirds as our inspiration, and integrate many techniques into our work (e.g., animal tracking, next-generation sequencing, neurobiology, and museum collections). We are especially excited to have someone delve into the world of structural variants; we have been studying a hybrid zone between two subspecies of Swainson's thrushes for over a decade now and it looks like structural variants could be controlling variation in the migratory behavior of these birds. We already have the genomic data needed for this project so an interested student could get their hands dirty right away!

More detailed information about our research can be found here: delmorelab.com.

Grad students will be part of the vibrant Department of Ecology, Evolution, and Environmental Biology at Columbia University. Please see their website (https://-/e3b.columbia.edu/) for more information about the department and program.

Interested applicants should send a cover letter, CV, and contact information for 2-3 references by November 15 for full consideration (ked2195@columbia.edu).

Anticipated start date of September 2025.

Kira Delmore | Associate Professor Department of E3B | Columbia University 10th Floor Schermerhorn Extension | 1200 Amsterdam Avenue | New York, NY 10027 1 (979) 900-2129 | ked2195@columbia.edu | delmorelab.com

* My working hours may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule. *

Kira Elizabeth Delmore <ked2195@columbia.edu>

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EAWAG Switzerland AdaptationEcosystemResilience

A PhD position in Adaptation and Ecosystem resilience is open at the Swiss Federal Institute of Aquatic Science and Technology EAWAG, an internationally networked aquatic research institute within the ETH Domain (Swiss Federal Institutes of Technology).

The position is part of the project 'A trait-based eco-phenotypic framework for understanding resilience and tipping phenomena in ecosystems' led by Dr. Catalina Chaparro. The project aims to develop a comprehensive framework of resilience in ecosystems integrating ecological, phenotypic traits, and environmental stress dynamics. In this project, the PhD candidate will develop and analyze eco-evolutionary models and datasets to study how adaptation contributes to maintaining resilience in ecosystems. This is mainly a theoretical and computational research project.

We are looking for an enthusiastic and self-motivated person to learn new skills or explore new topics. Candidates for this position should hold a MSc in the biological sciences or different fields in the natural sciences (e.g., computational, mathematical, earth sciences) with a strong interest in ecology. Experience in programming and mathematical modeling would be an asset. Good

communication skills are essential.

The deadline for applications is 15 November 2024 or until the position is filled. Your application should include a cover letter explaining your research background and motivation to apply for this position, a CV, copies of your academic qualifications, and contact information for two references. For details about the position and how to apply, follow this link https://apply.refline.ch/-673277/1209/pub/1/index.html

"Chaparro Pedraza, Catalina" <Catalina.Chaparro@eawag.ch>

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GUFrankfurt Germany FrogPheromoneEvolution

Graduate positions

GU Frankfurt_Germany.Frog.Pheromone.Evolution

You are looking for a PhD-position and you love frogs? And field-work in the Neotropics? And you have experience with bioinformatics and statistics?

Then maybe the job-advertisement about the studies on the project "Function and development of male nuptial pads in frogs: from the better-grip-theory to the transfer of sex pheromones" at Goethe-University Frankfurt, Germany is for you:

The Johann Wolfgang Goethe University Frankfurt am Main is one of the largest universities in Germany with around 44,000 students and with about 5,700employees. Founded in 1914 by Frankfurt citizens and since 2008 once again proud of its foundation status Goethe University possesses a high degree of autonomy, modernity and professional diversity. As a comprehensive university, the Goethe University offers a total of 16 departments on five campuses and 154 degree programs along with an outstanding research reputation. Furthermore the Goethe University is part of the Group of Rhine-Main-Universities (RMU).

The research grout Wildlife/Zoo Animal Biology and Systematics in the Institute of Ecology, Evolution and Diversity, Faculty of Biosciences at Goethe University Frankfurt is looking at the earliest possible date for a Research Associate (m/f/d), Doktoral Candidate, (E 13 TV-G-U, 65% part-time) limited for 3 years. The salary grade is based on the job characteristics of the collective agreement (TV-G-U) applicable to Goethe University.

Among other things, our department investigates the use of pheromones for chemical communication in Neotropical frogs. The focus of the vacant position is on the molecular biological and genomic analysis of protein pheromones. The tasks include a combination of field work in the Neotropics, laboratory work (RNA sequencing, histology) and in particular bioinformatic, statistical and phylogenetic data analysis. The position is part of the DFG third-party funding project "Function and development of male nuptial pads in frogs: from the better-grip-theory to the transfer of sex pheromones". The position serves the scientific qualification, especially in the context of a doctorate degree.

Your responsibilities will include : - sampling of Neotropical frogs in the field - independent performance of various molecular and genomic analyses - bioinformatic, statistical and phylogenetic analyses of RNAseq data - histological tissue analyses - writing publications

Requirements: - a completed scientific university degree (Master) in the field of biology (specialized in zoology, evolutionary ecology or related fields) - good bioinformatic knowledge and/or phylogenetic skills - willingness to carry out animal experiments - very good written and spoken English language skills - field experience (preferably in the Neotropics) and a good knowledge of the Spanish language are desirable

We offer you : - a research-interested international team - a versatile and interesting job in a dynamic work environment - flexible working hours and the opportunity to work remotely - a LandesTicket Hessen for free travel on public transport throughout Hessen - regular further education opportunities - compatibility of family and career

The Goethe University is committed to a policy of providing equal employment opportunities for both men and women alike, and therefore encourages particularly women to apply for the position/s offered. Individuals with severe disability will be prioritized in case of equal aptitude and ability.

Please send applications, including a cover letter, CV, certificates, and the contact information of two referees/references in electronic form (summarised in one PDF file with max. 8 MB) by 05.11.2024 via e-mail schulte@bio.uni-frankfurt.de to Prof. Dr. Lisa M. Schulte. The Goethe University cannot reimburse any costs incurred in the application process.

Prof. Dr. Lisa M. Schulte | Department of Wildlife-/Zoo-Animal-Biology and Systematics Faculty of Biological Sciences | Goethe University Frankfurt | Campus Riedberg Biologicum | Building D |

Floor 2 | Office 2.417 | Max-von-Laue-Str.13 | D-60438 Frankfurt/Main | Germany Tel.: +49 (69) 798-42204 | e-mail: Schulte@bio.uni-frankfurt.de | http://www.bio.uni-frankfurt.de/43970254/ak-schulte "Lisa M. Schulte" <Schulte@bio.uni-frankfurt.de>

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IllinoisStateU EvolutionaryBiology

Graduate Positions in Evolutionary Biology at Illinois State University

MS and PhD positions are available in the Nietlisbach Lab at Illinois State University in Normal, IL, USA, to start in summer or fall 2025. We have openings within two projects.

We seek one to two candidates interested in studying extra-pair reproduction and its costs and benefits in a house wren population in central Illinois. We additionally seek a candidate interested in studying the evolutionary genomics of isolated island populations of North American deermice, possibly involving their microbiomes. Please see our lab website for further information about these projects: https://about.illinoisstate.edu/pnietli/research/ . Interested students are encouraged to contact Pirmin Nietlisbach (mailto:pnietli@ilstu.edu). Please include a cover letter explaining what projects and questions interest you, why you would like to pursue graduate studies and how your experiences have prepared you for it. Please also include a CV and a copy of your course transcript. After an initial screening of applications, we will set up Zoom meetings in November. Preferred candidates will then be encouraged to formally apply to our graduate program by February 1, 2025. Please see this website for more information about our graduate program, associated benefits (tuition waiver and teaching assistantships), and its admission requirements: https://biology.illinoisstate.edu/graduate/bio-as-graduate/application-procedure/ . Dr. Pirmin Nietlisbach (he, him, his) Assistant Professor of Evolutionary Biology School of Biological Sciences Illinois State University Normal, IL 61790-4120 United States of America Website: https://about.illinoisstate.edu/pnietli/ Office: Science Lab Building 339 Email: mailto:pnietli@ilstu.edu Phone: +1 (309) 438 8549

"Nietlisbach, Pirmin" <pnietli@ilstu.edu>

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ImperialC London InsectEvolution

The Gill research group (Home | richardgill (gillinsectresearch.com) is looking to put forward a candidate to the Imperial's President's PhD scholarship (https://www.imperial.ac.uk/study/pg/fees-and-funding/scholarships/presidents-phd-scholarships/). Applications are accepted from talented candidates from the UK and worldwide.

We will fully support the student in completing this application, and would like the student to follow one of three areas of research dependent on what fits their interest:

Arctic plant-pollinator responses to climate change. Project takes advantage of a long-term field site in Arctic Sweden where we study the responses of bees and their host plants to climatic variation. This helps to understand how thermal performances and distributions can predict ecological interactions (field, lab & desk based).

Quantifying a century of trait diversity change in insect pollinators.Project would leverage entomological museum specimens to collect multidimensional trait data helping to understand trait responses to past and future environmental change (desk based).

Determining how climate can mediate the risks associated with pesticide exposure in bees.The project will undertake a series of lab and mesocosm assays under temperature gradients to quantify bee molecular, developmental and behavioural responses to pesticide exposure helping to understand past and future population responses (primarily lab based).

If interested, please email Richard Gill (r.gill@imperial.ac.uk) with your CV, the theme(s) that grab(s) your attention, and any additional information. I will contact the candidate if their CV is suitable.

This will also be a rolling deadline until a suitable candidate is picked.

Kind Regards,

Dr Richard Gill

Reader in Evolutionary and Experimental Ecology

Dept. Life Sciences

Silwood Park Campus

Imperial College London, UK

"Gill, Richard J" <r.gill@imperial.ac.uk>

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IndianaU ChemicalSignalEvolution

The Darragh lab at Indiana University, Bloomington is recruiting PhD students to start in Fall 2025. Our research focuses on the evolution of chemical signals. We take a range of approaches including studying the behavioral function of chemical signals as well as investigating the underlying genetic and molecular mechanisms of biosynthesis of the chemical compounds. To do this, we combine techniques such as protein expression, enzyme assays, RNAseq, behavioral trials, gene family analyses and comparative studies, mainly in insects. Students will have the opportunity to develop projects combining evolutionary biology with mechanistic molecular studies. We encourage students with diverse interests in evolutionary biology, chemical ecology, and molecular evolution to apply.

Interested candidates should email kdarrag@iu.edu with a CV and a cover letter. In the cover letter, please include any previous research experience, future research interests, and what types of projects you would like to do in the Darragh lab. I will meet with candidates by zoom before applications are due for the graduate program deadline (December 1st 2024). Candidates would apply to be part of the EEB (Evolution, Ecology, and Behavior) graduate program at IU, a vibrant and interdisciplinary community with ample opportunity for collaboration. Candidates will have 5 years of guaranteed funding through TAships/RAships and will be encouraged to apply for independent fellowships.

Details about admissions to IU Biology: https://biology.indiana.edu/graduate/how-to-apply/phd-apply.html More details about EEB specifically: https://biology.indiana.edu/graduate/evolution-ecology-behavior/steps.html For more information contact kdarrag@iu.edu

Kathy Darragh Assistant Professor Department of Biology Indiana University, Bloomington

"Darragh, Kathy" <kdarrag@iu.edu>

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IowaStateU EvolutionaryBiol

The Graduate Program in Ecology and Evolutionary Biology (EEB) in the Department of Ecology, Evolution, and Organismal Biology (EEOB) at Iowa State University is recruiting doctoral and master's level graduate students for Fall 2025.

The EEB major at Iowa State is designed for students interested in the composition, structure, and functional processes of ecological systems, and the mechanisms that regulate the pattern and rate of evolutionary change within and among species. Our program provides students with an interdisciplinary education and opportunities to train and conduct research in their area of interest. The EEOB department has a productive and diverse faculty who conduct both theoretical and empirical research in ecology and evolutionary biology. Empirical work is on a broad array of questions and organismal systems, including microbes, plants, vertebrate and invertebrate animals and whole ecosystems.

Iowa State University is a large and vibrant campus, with a strong emphasis on innovation and sustainability. It is located in Ames, IA, which was ranked #1 best college town by 24/7 Wall St in 2019.

All admitted applicants will be financially supported by a 9- or 12-month graduate assistantship throughout their tenure in the program. To receive priority consideration for competitively awarded fellowships, and to ensure there are no Visa issues for international students, applicants should submit a complete application package by December 15. Applications can be submitted after these dates for consideration; however, funding opportunities are limited. Application fees may be forgiven for applicants that meet specific guidelines.

Applicants should contact faculty and identify potential advisors before applying. Faculty are more than willing to answer questions about the general program and about their own specific labs and research. A listing of graduate program faculty can be found here: https://www.eeob.iastate.edu/all-faculty We provide specific guidance about your application, describe the evaluation process and outline specifics of funding on the application webpages for the programs.

EEB Program: https://www.eeb.iastate.edu/ Admissions: https://www.eeb.iastate.edu/admissions For

questions or assistance with the application process, please e-mail our Graduate Program Coordinator, Lynette Edsall at camelot@iastate.edu

Dr. Dean C. Adams Distinguished Professor of Evolutionary Biology Department of Ecology, Evolution, and Organismal Biology Iowa State University https://-faculty.sites.iastate.edu/dcadams/ phone: 515-294-3834

dcadams@iastate.edu

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KielU Host-MicrobiomeGenomics

A PhD position (m/w/d) on the genomics of host-microbiome interactions

Well-motivated and highly-qualified students from all countries are welcome to apply. We are looking forward to your application in the beautiful landscape of Northern Germany.

Your profile: - Master of Science degree in a field related to Genomics, ideally in combination with host-microbiome interactions and/or population genomics - Experience in analysis of genomic data, ideally using population genetic/genomic approaches. - Any of following expertise is an advantage: programming (e.g., Python), biostatistical analysis (e.g., with R), or research related to host-microbiome interactions and/or genome analysis of the model nematode Caenorhabditis elegans. - Good oral and written communication skills in English. - Motivation to learn and research topics in basic science.

The objective of the PhD position and a concomittently advertised postdoc position is to understand the genomic basis of host-microbiome interactions and their evolution to new environmental conditions, using the nematode C. elegans as a model host system. These C. elegans-microbiome interactions are studied with the help of mesocosm and evolution experiments. Material for genomic analyses is already available, and more will be produced in connection to the advertised projects. See related publications: https://doi.org/10.1038/s41564-023-01468-x and https://doi.org/10.1038/s41396-023-01507-9. The project is part of the research consortium CRC1182 on the Origin and Function of Metaorganisms (https://www.metaorganism-research.com/), providing numerous opportunities for exchange with colleagues working on related topics.

The positions are based in the Schulenburg group (Kiel University, Northern Germany) for a period of 36 months at the earliest possible date. Research in the Schulenburg group focuses on the evolution of host-microbe interactions and antimicrobial resistance evolution, combining experimental evolution, genomics, and functional genetic analyses. See: https://evoecogen-kiel.de/. The working language of the group is English.

Kiel University sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social background, religion, ideology, disability or sexual identity. We promote equality of the sexes. Kiel University is committed to the employment of people with disabilities. Preference will be given to applications from severely handicapped persons and persons of equal standing, provided they are suitable. We expressly welcome applications from people with a migration background.

For enquiries regarding the position and research topic please contact Prof. Dr. Hinrich Schulenburg: hschulenburg@zoologie.uni-kiel.de

Applications should be sent by email to Hinrich Schulenburg (hschulenburg@zoologie.uni-kiel.de) as a single PDF. Please use 'Application Genomics - [your name] - PhD' as a subject. Applications should include: (1) A letter of motivation (max 1 page, Arial 11, line spacing 1.15). In your motivation letter, please explain how your background fits the required profile and how your research interests align with the group research focus. (2) Curriculum vitae, including names and contact details of 1-2 referees. (3) Master certificate (or current grades transcript in case of ongoing studies)

Please, refrain from sending us application photos.

Application deadline: 21.11.2024

Hinrich Schulenburg (he/him)

Evolutionary Ecology and Genetics Christian-Albrechts-Universitaet zu Kiel Am Botanischen Garten 9 24118 Kiel Germany Tel: +49-431-880-4143/4141 Email: hschulenburg@zoologie.uni-kiel.de

www.evoecogen-kiel.de/ www.evolbio.mpg.de/-3248501/antibioticresistance www.transevo.de www.metaorganism-research.com www.kec.uni-kiel.de www.kielscn.de/ symbnet.eu/ www.evolbio.mpg.de/imprs Hinrich Schulenburg <hschulenburg@zoologie.uni-kiel.de>

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MaxPlanck EvolBioPlankton

PhD position in Theoretical Biology (4 years)

I am looking for a PhD student to join my research group at the Max Planck Institute for Evolutionary Biology. The position is part of the Collaborative Research Unit 'Density dependent symbiosis in planktonic systems ?¿' DynaSym', which brings together several research groups across Germany to test and develop basic concepts of density dependence of the symbiosis form (e.g., shift from predator-prey to mutualistic interaction and back).

Modeling parasite epidemics in host populations with symbiont-mediated immunity

Protective symbionts can provide hosts with immunity against virulent parasites. Yet, symbionts themselves may also be costly for the host. The form of symbiosis is thus context dependent: mutualistic upon exposure (or infection) with the virulent parasite but parasitic in its absence. Classical theory on host-parasite systems only considers two players – the host and the parasite. The possibility of protective symbiosis clearly demonstrates the need for theory that goes beyond two-species systems. In this project, we will develop theoretical models to study the joint changes in the densities of hosts, symbionts, and parasites and the associated changes in the form of symbiosis. Initially, we will mostly develop general theory, but we will later also explore models that match the biology of Daphnia and its parasites. In collaboration with other members of the Research Unit, models can moreover be tailored to other systems of protective symbiosis that are studied empirically within DynaSym.

The ideal student is interested in applying mathematical modeling to gain insights into biological problems, enthusiastic about math as well as about biology, and excited about engaging in the research unit DynaSym. The student will learn how to set up and analyse theoretical models to describe biological processes and profit from close interactions with empirical researchers. Applicants should have a background in mathematics, physics, biology, computer science, or a related field. Good quantitative skills are essential. Prior experience in mathematical modeling and knowledge of a programming language (C, C++, Java, Python, Julia...) is an advantage.

The Research Unit DynaSym has recently been funded by the German Research Foundation DFG (www.uni-konstanz.de/en/university/news-and-media/current-announcements/news-in-detail/mal-freund-mal-feind) and is a collaborative initiative bringing together research groups from across Germany and international collaborators. 8 projects will collaborate within the research unit and cover experimental work with plankton systems, modeling, theory development, and synthesis work. Workshops, retreats, and research visits to other research groups are planned for all participants to facilitate exchange and additional training.

Working environment

The student will join the research group 'Stochastic Evolutionary Dynamics' at the Max Planck Institute for Evolutionary Biology. The group is part of the Department of Theoretical Biology. The student will hence be part of a community of researchers working at the intersection of mathematics and biology with many opportunities to take part in journal clubs, reading groups etc.

The Max Planck Institute is a lively institute with around 180 employees from more than 30 nations. There are currently two departments (Theoretical Biology and Microbial Population Biology) and several additional research groups. It hosts several workshops per year and continuously welcomes international short-term and long-term visitors, creating a stimulating and positive research environment. We maintain close interactions with Kiel University and belong to the Kiel Evolution Center. The area is a center of evolutionary biology in Germany.

Plön

Plön is a small town, embedded into a beautiful landscape with numerous lakes and close to the Baltic Sea. The area provides ample opportunity for free time activities such as swimming, canoeing, or biking in a stunning environment. At the same time, the cities of Kiel and Lübeck (â¥200,000 inhabitants) are only half an hour train ride away. Hamburg (Germany's second largest city) can be reached within 1.5h by train.

Application

Interested students should send their application (motivation letter, CV, copies of certificates, contact details of two references) in a single pdf by email to uecker@evolbio.mpg.de and to bewerbung@evolbio.mpg.de. Please use the code PhD2024 in the subject line. We ask you to refrain from including a photo on your CV.

The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.

The Max Planck Society is

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.mcmaster.ca/~brian/evoldir.html

MaxPlanckEvolBio PloenGermany TheoreticalBiology

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(motivation letter, CV, copies of certificates, contact details of two references) in a single pdf by email to uecker@evolbio.mpg.de and to bewerbung@evolbio.mpg.de. Please use the code PhD2024 in the subject line. We ask you to refrain from including a photo on your CV.

The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds. The Max Planck Society is

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.mcmaster.ca/~brian/evoldir.html

MedUVienna TransposonEvolution

PHD POSITION IN TRANSPOSON BIOLOGY AND EVOLUTION at the Medical University of Vienna, Austria

A PhD position in "Germ line regulation and evolution of Transposons in the model system Drosophila" is available in the group of Wolfgang J. Miller at the Medical University of Vienna (Department of Cell and Developmental Biology, Lab Genome Dynamics), Vienna, Austria. The PhD position is funded for at least three years, and an extension of the contract is very likely.

This research project is funded by the Austrian Science Fund (FWF) in close collaboration with two labs in Paris (Univ. Sorbonne and Saclay), France, and will focus on the regulatory and evolutionary dynamics of P-element transposons in different Drosophila species with emphasis on neotropical fruit flies from nature.

We are seeking a highly talented, independent, hard-working and self-motivated young biologist with excellent social skills. The successful candidate needs to have a strong background in genetics, molecular and cellular biology, preferentially in the Drosophila system. Some background in population and evolutionary biology, genomics, and/or microbiology would be ideal, but is not required. The working language in the laboratory is English, so the candidate should be proficient in spoken and written English. The initial appointment will be made for one year, with a possible extension to up to three years. The position is available from February 2025.

To apply, please send a single pdf file including: (1) a cover letter explaining why you would like to join our group, (2) your Curriculum Vitae (including a description of your skills), (3) your publication list, (4) a statement of research interests, and (5) contact details for 2-3 references who are willing to write a reference letter on your behalf to the following e-mail address: wolfgang.miller@meduniwien.ac.at

Application Deadline: November 30, 2024

Miller Wolfgang <wolfgang.miller@meduniwien.ac.at>

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MiamiU EcolEvolution

The Department of Biology at Miami University is seeking to recruit students for our Master's and PhD programs.

https://tinyurl.com/yc3tx243 We have a strong core group of faculty working in ecology and evolution creating a great community for our students, supported by modern facilities in microscopy, genomics, and a research field station in Oxford Ohio. Additional facilities for ecological and botanical research include the Herbarium in Oxford and The Conservatory at the nearby Hamilton campus. Our departmental program covers all levels of organization within biology.

The Department provides guaranteed support through teaching assistantships (which include tuition waivers), as well as through faculty research grants when available. Miami is located in Oxford Ohio, a college town with ample outdoor opportunities and a vibrant downtown. Miami currently enrolls approximately 2,300 graduate students and 20,500 undergraduates.

Faculty with interests in ecology and evolution that are actively recruiting students are below. We encourage prospective students to email potential mentors before applying

Dean Castillo - Evolutionary genetics of reproduction, mating behaviors, and speciation. https://sites.google.com/miamioh.edu/castillo-lab/home (castild@miamioh.edu)

Deidra Jacobsen - Ecology and evolution of plant-insect interactions

(jacobsd8@miamioh.edu)

Lesley Knoll - Freshwater ecology; aquatic ecosystem function (e.g., anoxia, nutrient fluxes) and structure (e.g., phytoplankton composition, toxic cyanobacteria) responses to environmental change (knollb@miamioh.edu)

Richard Moore - Evolution of plant sexual reproduction; plant conservation genetics

(moorerc@miamioh.edu)

Yoshi Tomoyasu- developmental and evolution of insect wings

https://sites.miamioh.edu/tomoyasulab/ (tomoyay@miamioh.edu)

Zheng Li - genome evolution with impacts on phenotype evolution and biodiversity

(liz7@miamioh.edu)

"Castillo, Dean" <castild@miamioh.edu>

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NorthernArizonaU Bioinformatics

I want to encourage prospective Fall 2025 PhD students on evoldir to consider our PhD in Informatics if they are interested in bioinformatics and evolutionary genomics. I will be accepting applications in my lab although there are many other potential opportunities in other labs as well, see below for information. The historic mountain town Flagstaff, AZ (population 76,000, elevation 7,000 feet or 2,133 meters, ~266 sunny days a year) is a great place to do a PhD. You can reach out to me (marc.tollis@nau.edu) with any questions.

We are now accepting applications for our Ph.D. in Informatics and Computing at Northern Arizona University for Fall 2025. The deadline is December 1st, 2024.

The School of Informatics, Computing, and Cyber Systems (SICCS) at NAU (https://nau.edu/school-of-informatics-computing-and-cyber-systems) is the interdisciplinary research home for faculty and students working on diverse projects in ecoinformatics, data science, molecular evolultion, genomics, epidemiology, as well as electrical engineering and cyber security. Our emphasis areas offer graduate students an opportunity to craft a program of study with their advisors that provides a solid background in programming and computing combined with specific domain knowledge, pursuant to the student's project and the advisor's area of expertise.

See all our graduate programs here: https://nau.edu/school-of-informatics-computing-and-cyber-systems/graduate/ . Specific information about the PhD program is here: https://nau.edu/school-of-informatics-computing-and-cyber-systems/phd-informatics-and-computing/ . See our faculty at https://nau.edu/school-of-informatics-computing-and-cyber-systems/faculty/# . Informatics students interested in careers in genomics and evolutionary biology will follow a bioinformatics emphasis and take courses in comparative genomics, phylogenetics, population genetics, and ecology alongside other NAU students working in Biology, Forestry, the Pathogen and Microbiome Institute, and T-Gen North. While these resources fulfill the "bio" part of the emphasis, the "informatics" part is where our students stand out among their peers, providing core courses in computing, programming, and statistical modeling including machine learning. Informatics students have full access to the Monsoon High Performance Computing Cluster (https://in.nau.edu/arc/) through their advisors. Students become highly skilled programmers, providing them with powerful tools they can use to answer their research questions, and giving them a competitive edge for future careers in "big data" such as in the life sciences.

Applicants are encouraged to select potential faculty they would like to work with as part of their application. To get a feel for the work we do in my lab, you can view my publications page (https://tollislab.org/-publications). Applicants interested in doing a PhD in my lab will be considered for teaching and/or research assistantships that cover tution and stipend for the academic year, and grant-funded summer stipends. Overall, Informatics PhD students receive a >$30,000/year stipend with benefits and paid tuition. Applicants to my lab are strongly encouraged to contact me (marc.tollis@nau.edu).

Marc Tollis <Marc.Tollis@nau.edu>

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Oslo GalapagosEvolutionaryGenomics

Would you like to do a PhD with Galápagos and evolutionary genomics? Join me in Oslo:

PhD Research Fellow in Evolutionary Genomics and Island Biology

* <what>* Some of the most diverse lineages on our planet (e.g. Darwin's Finches and Hawaiian Silverswords), are found in oceanic archipelagos. Paradoxically, species in these regions often have small population sizes, frequently experience bottlenecks and founder events, and are prone to inbreeding all factors typically detrimental to genetic diversity. How, then, can these remotely located lineages, subject to such genetic constraints, maintain enough diversity to radiate and evolve? This project aims to explore this fascinating paradox.

* <how>* This project study will integrate a variety of molecular and bioinformatic approaches, benefiting from a large herbarium collection. We will utilize: 1) population genomic tools, such as ancestral recombination graph-based inferences, to estimate the age of haplotypes and genetic variation; 2) conduct simulations of genomic data using software like SLiM and msprime; 3) examine the role of structural variants and pangenomes in genetic variation.

* <benefits>* Possibilities to attend a conference each year Strong supervisory support and mentoring to pursue an academic career; Salary NOK 532 200 - 575 400 per annum depending on qualifications and seniority as PhD Research Fellow (position code 1017) Attractive welfare benefits and a generous pension agreement Vibrant international academic environment Career development programmes Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

All information you need to know, including how to apply, is found here: https://www.jobbnorge.no/-en/available-jobs/job/268466/phd-research-fellow-in-evolutionary-genomics-and-island-biology If you have any inquiries you can reach me at jose.cerca@ibv.uio.no You can read more about us here islandevolution.github.io

My very best, José

islandevolution.github.io [group website]

jcerca.github.io [personal website]

Google Scholar < https://scholar.google.pt/-citations?user=ZI1vWPEAAAAJ&hl=en >

Evolutionary Biologist

University of Oslo

Recently published (May 2024) ::: Why Do Some Lineages Radiate While Others Do Not? Perspectives for Future Research on Adaptive Radiations < https://-pubmed.ncbi.nlm.nih.gov/38692838/ >

Recently published (May 2024) ::: Consistent accumulation of transposable elements in species of the Hawaiian Tetragnatha spiny-leg adaptive radiation across the archipelago chronosequence < https://academic.oup.com/evolinnean/article/3/1/-kzae005/7681133?login=false >

José Cerca <jose.cerca@gmail.com>

PurdueU PlantEcologicalGenomics

PhD opportunities in Plant Ecological Genetics and Genomics

Are you interested in the genetic and physiological mechanisms of adaptation, the costs of plasticity, understanding potential maladaptive responses to climate change, and/or the fitness effects of non-additive genetic architecture?

The Oakley lab in the Department of Botany and Plant Pathology at Purdue University is recruiting a PhD student for Fall 2025 for one of two NSF funded projects in plant ecological genetics and genomics. One project is connecting the genotype-phenotype-fitness map for cold acclimation, an adaptive plastic response in seasonally freezing environments. Cold acclimation is common in plants throughout the temperate zones and involves dramatic metabolic and physiological changes in response to cool autumn temperatures which increase winter freezing tolerance. It is energetically costly, particularly in cool but non-freezing environments, and climate change may exacerbate the negative fitness consequences of this cost. The other project is examining the fitness consequences of non-additive genetic architecture (dominance and epistasis) and linkage on local adaptation

and maladaptation. There are many opportunities for new directions building off the main themes of these projects including extension of work on Arabidopsis to other systems including Populus and Plantago. There is a vibrant community of interdisciplinary plant biologists (https://ag.purdue.edu/cpb/faculty/) at Purdue, providing ample opportunity for interaction and collaboration.

A BS/BA degree in ecology & evolution, genetics, plant biology, or related field is required (by Spring 2025), as is a strong interest in learning to use -omic tools to answer evolutionary questions. No specific skills are required, but some combination of experience in experimental biology, molecular genetics, bioinformatics/quantitative analysis, and plant care is strongly preferred.

If you are interested in applying, please email your CV and a short (1-2 paragraph) email explaining your interest in graduate school in general, and the lab and project in particular. This should be done prior to applying, ideally no later than 4 weeks prior to the application deadline. Applications are due by Dec. 1st, 2024, do not require the GRE, and you may be able to have the application fee waived through the Big Ten Academic Alliance FreeApp program. This is a direct admit program (no rotations). Students interested in doing rotations may also apply via the interdisciplinary plant science program (https://ag.purdue.edu/cpb/apply-now.html).

Chris Oakley Associate Professor oakleyc@purdue.edu https://btny.purdue.edu/labs/oakley "Oakley, Christopher G" <oakleyc@purdue.edu>

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StonyBrookU NewYork ComputMicrobialEcolEvol

PhDStonyBrookU_NewYork.ComputMicrobialEcolEvol Friday 2024-11-29 â 6pm - 7pm Iran Standard Time

Join with Google Meet https://meet.google.com/-qsm-skza-bhw?hs=224 The Microbial Genomes And Metagenomes to Unravel Traits Lab (mGAMUT Lab; PI: JL Weissman) at Stony Brook University has funding for PhD students to begin Fall 2025 (application deadline December 1, 2024). Interested applicants can apply through the doctoral program in Ecology & Evolution (https://www.stonybrook.edu/commcms/ecoevo/-_program/phd-programs.php).

Please note that it is expected that successful applicants in E&E will have reached out to a prospective adviser to discuss fit before applying. For more information about what that email should look like, visit: https://-microbialgamut.com/join.html Our lab develops new computational tools to infer what microbes are doing and can do directly from genomic and metagenomic data (e.g., https://github.com/jlw-ecoevo/gRodon2), aiming to improve the representation of microbes in global biogeochemical models. Ongoing projects involve developing computational methods for microbial trait prediction...

Negar Zamani <negarzamani180@gmail.com>

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TempleU Pennsylvania ParasiteGenetics

Professors Sergei Pond and Ananias Escalante at Temple University (Philadelphia, USA) seek to jointly advise a PhD student interested in comparative evolutionary genomics of eukaryotic parasites. If selected and successfully admitted to Temple University, the student will be home at our institute, iGEM (https://igem.temple.edu/-). This opportunity offers personal and professional growth, as students are encouraged to interact with others while contributing to our research.

The ideal candidate should show a clear interest in evolutionary biology or bioinformatics. While previous experience with coding (R and Python) and analyzing NGS data (Linux) is desirable, we are more interested in candidates with a strong aptitude for learning analytical tools, with basic formation in evolution and/or statistics at the undergraduate or MSc level, and strong motivation to understand the biology of eukaryotic parasites while interrogating genomic data.

Before applying to Temple, please email Ananias.Escalante@temple.edu a brief statement introducing yourself, a CV/resume, and an unofficial transcript. Motivated students with degrees other than Biological Sciences can also inquire. Students from non-English-speaking countries must show sufficiency in the language (e.g., the TOEFL exam). Students admitted to Temple Ph.D. programs are offered five years of support through TA/RA ships and opportunities to apply for independent fellowships. Temple???s application deadlineis December 15, 2024. We consider students until

January; however, late applicants may not be eligible for some scholarships.

Thanks

Ananias

Ananias A Escalante <ananias.escalante@temple.edu>

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UAlabama MarineLifePaleontology

PhD opportunity in biology/paleontology at the University of Alabama

The recently NSF-funded project "Energetic Controls on Marine Benthic Community Structure in Space and Time" aims to (1) evaluate how productivity affects the energetic and trophic structure of marine benthic communities on either side of the modern Isthmus of Panama, where there is now a strong contrast between the high productivity, upwelling-dominated regime of the eastern Pacific and the low-productivity, low-seasonality regime of the Caribbean (2) use this knowledge to evaluate the fossil record of Caribbean benthic ecosystems before, during, and after the uplift of the isthmus during which planktonic productivity decreased in the Caribbean and (3) relate ecosystem changes driven by productivity shifts to the well documented Caribbean extinction event ~2 Ma.This is a project in collaboration with colleagues and their students/postdoc at the Ohio State University (Dr. Jill Leonard-Pingel), the University of California Berkeley (Dr. Seth Finnegan), and the Smithsonian Tropical Research Institute (Dr. Aaron O'Dea).

One key component of this project is to assess biotic interactions such as predator-prey interactions using fossil and modern molluscan assemblages from both sides of the Isthmus of Panama. I am recruiting a PhD student for the Fall 2025 semester with a background in biology, paleontology, and/or geology who has an interest in biotic interactions and quantitative methods. While the study will use pre-existing collections, there is a trip to Panama included. For interested candidates, please get in touch with Dr. Adiel Klompmaker (aaklompmaker@ua.edu), preferably sending along a CV.

The student will be supported for 5 semesters as a graduate research assistant and as graduate teaching assistant for the remainder of the PhD program. Conference support is provided. The student will be part of the Department of Biological Sciences or the Department of Geological Sciences at the University of Alabama depending on the background of the student. Apply to one of these departments through https://graduate.ua.edu/-applicants/ Applications are due on 10 December 2024.

Dr. Adiel A. Klompmaker Curator of Paleontology Department of Museum Research and Collections & Alabama Museum of Natural History University of Alabama Museums

University of Alabama

Phone: 205-348-7425

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ALMNH Paleontology Collection

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313 Mary Harmon Bryant Hall

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Tuscaloosa, Alabama35487

Associate Editor, Paleobiology

Associate Guest Editor, Journal of Paleontology

Adiel Klompmaker <aaklompmaker@ua.edu>

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UBielefeld RaptorsBiolConservation

There is a vacancy for a PhD student in the research group of Prof Oliver Krüger (Animal Behaviour) within the Faculty of Biology at Bielefeld University from 01.02.2025 for a period of four years:

PhD student (m/f/d) (Monthly stipend of 1.500 euro)

The future scholarship holder will research the local red kite population in Bielefeld and East Westphalia at the individual and population level. These populations

have been recorded since 1989 and 2012 respectively, so extensive long-term data including telemetry data is already available. Both individual life histories and survival rates are to be analysed and incorporated into an integrated population model. The telemetry data will form the basis for local habitat use analyses in time and space.

The position is based in the Behavioral Research Department at Bielefeld University, the oldest chair for behavioral research at any German university (www.uni-bielefeld.de/fakultaeten/biologie/-forschung/arbeitsgruppen/behaviour). Long-term research on various species of birds of prey is one of the core topics. The department offers a stimulating and international research environment with modern research infrastructure in a new building, which will be occupied in 2025. The working language is English. Together with the working groups Evolutionary Population Genetics (Joseph Hoffman), Behavioral Ecology (Barbara Caspers) and Evolutionary Biology (Klaus Reinhold), more than 80 scientists and PhD students from more than ten different countries work on topics in the field of behavior, ecology and evolution.

The scholarship is a consortium project of the Staff-Foundation in Lemgo, the district council of Lippe and the Department of Animal Behaviour at Bielefeld University.

Applicants are expected to have an above-average academic degree (minimum Bachelor's degree, ideally also a Master's degree) with a focus on behavioural biology, evolutionary biology or ecology.

Further recruitment requirements are: - Field experience in monitoring bird populations, ideally birds of prey - Experience in GIS working methods, - High ability to work in a team, - Good communication skills with various interest groups.

In addition, the following experience and knowledge is desirable: - Very good knowledge of written and spoken German and English, - Experience with bird ringing, - Experience in statistical analysis of complex data, ideally in R, - Experience in handling vertebrates, documented e.g. by a FELASA B course, - Experience with transmitter and/or camera technology in field research, - Enjoyment of public relations work in various formats.

Under German employment laws, applications from women and disabled persons are expressly encouraged; women with equal aptitude, qualifications and professional performance will be given preferential consideration, unless reasons relating to the person of a competitor prevail.

For further information, please contact Prof. Dr. Oliver Krüger at +49-521-1062842, e-mail: oliver.krueger@uni-bielefeld.de.

Applications including CV, a brief description of research experience and interests and the contact details of three potential reviewers should be sent by 30.11.2025 to

Prof. Dr. Oliver Krüger Universität Bielefeld Fakultät für Biologie Lehrstuhl für Verhaltensforschung Konsequenz 45 33615 Bielefeld

"Chakarov, Nayden" <nayden.chakarov@uni-bielefeld.de>

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UCopenhagen MeiofaunaDevelopment

A fully funded PhD fellowship in Meiofauna Hox Gene Evolution and Patterning is available at the University of Copenhagen in Prof. Katrine Worsaae's lab.

Many animals occupy the microscopic realm (i.e., the meiofauna), exhibiting a tiny size but still astonishingly complex behaviors and life strategies. How do animals become small? Which mechanisms allow them to adapt to life in the meiofaunal realm? These and other intriguing questions we wish to investigate through phylogenomics and comparative genomics genomic studies including >30 microscopic lineages (meiofauna). We hope you wish to be part of this largescale project, which seeks a more complete understanding of animal evolution and miniaturization - and the underpinning genomic mechanisms and phenotypic consequences hereof.

Read more about the position here: https://-candidate.hr-manager.net/ApplicationInit.aspx/-?cid=1307&departmentId=18965&ProjectId=-162671&MediaId=5&SkipAdvertisement=false
Inquiries about the position can be made to Professor Katrine Worsaae (kworsaae@bio.ku.dk).

< https://candidate.hr-manager.net/-ApplicationInit.aspx/?cid=1307&departmentId=-18965&ProjectId=162667&MediaId=-5&SkipAdvertisement=false >

Josefin Stiller Assistant Professor Villum Young Investigator Villum Centre for Biodiversity Genomics University of Copenhagen Denmark

josefinstiller.com @Rubyseadragon

Josefin Stiller <josefin.stiller@bio.ku.dk>

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UFlorida GeneticsGenomics

The Genetics & Genomics (G&G) Ph.D. program at the University of Florida is accepting applications for graduate students for admission in Fall 2025. We are a interdisciplinary program with 200+ faculty in 8 colleges and 64 departments. Students can conduct PhD research with any of our faculty, creating more opportunities than a department-based PhD program. Our faculty conduct a broad range of research projects including biomedical research, gene therapy, metagenomics, plant breeding and genetics, microbial genetics, population studies, evolution, and ecology to name just a few.

Apply here! http://ufgi.ufl.edu/grad-program/-admissions/

The application deadline is December 1, 2024 for admission to the Fall 2025 class. Prospective Ph.D. students should contact potential faculty advisors in advance of applying to discuss research interests and relevant qualifications.

Here are some recent articles on some of our UF Genetics Institute faculty: * UF Genetics Institute director, Dr. Tom Burris - https://explore.research.ufl.edu/-innovation-is-in-his-dna.html * G&G program coordinator Dr. Connie Mulligan studies how maternal stress affects offspring health - https://epi.ufl.edu/-2024/08/27/pregnant-your-stress-and-trauma-could-impact-your-babys-health/ * Father's illness drives Dr. Eric Wang to find a cure for myotonic dystrophy - https://explore.research.ufl.edu/this-geneticists-goal-cure-the-disease-that-runs-in-his-family.html * G&G graduate student Shandra Trantham, researcher and patient, searches for cures for neurodegenerative diseases - https://explore.research.ufl.edu/no-time-to-be-patient.html * Biomedical engineering faculty Drs. Josephine Allen and Erika Moore collaborate with Anthropology faculty Dr. Connie Mulligan to investigate how ancestry can shape health disparities - https://explore.research.ufl.edu/revealing-the-ancestry-blind-spot.html * G&G alum and UF faculty Dr. Marcio Resende uses AI to make food healthier and tastier - https://explore.research.ufl.edu/heres-how-ai-could-bring-better-fruit-to-your-table.html * Microbial ecologist Dr. Julie Meyer is developing probiotics to save coral reefs - https://explore.research.ufl.edu/reef-relief.html UF has the following funding opportunities to consider: * McKnight Doctoral Fellowship, which funds stipend, tuition, and fees - https://-graduateschool.ufl.edu/gss/funding/mcknight/ * Board of Education Summer Fellowship, which provides funds and networking opportunities for new graduate students as well as other fellowship opportunities - https://catalog.ufl.edu/UGRD/previous-catalogs/-2019-2020/graduate/financial-aid/ Students for the G&G Ph.D. typically graduate in 5 years and are funded with a combination of research assistantships, teaching assistantships, and fellowships.

The University of Florida is one of the top 10 public universities in the country with a university-wide commitment to genetic research. The University of Florida Genetics Institute (www.ufgi.ufl.edu) is a state-of-the-art research building intended to enhance opportunities for collaboration. Gainesville is located in north central Florida (away from the hurricanes!), with average temperatures ranging from 45F to 90F.

Connie J. Mulligan, PhD Coordinator, Genetics & Genomics Graduate Program 2033 Mowry Rd, PO Box 103610 | University of Florida | Gainesville, FL 32610-3610 cmulligan@ufl.edu

"Connie J. Mulligan" <cmulligan@ad.ufl.edu>

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UIllinois UrbanaChampaign EvolEcolBehav

The Department of Evolution, Ecology, and Behavior (EEB) at the University of Illinois is accepting applications for graduate students for admission in Fall 2025. We accept applications for both the Master's (M.S.) and Doctor of Philosophy (Ph.D.) degrees. We are an interactive group with expertise in evolution, ecology, behavior, bioinformatics, conservation, genetics & genomics, physiology, neuroscience, endocrinology, and morphology. Students take many approaches to their studies including field work on whole organisms, genomics/bioinformatics, lab experimentation, and theory.

The department of Evolution, Ecology and Behavior is housed within the School of Integrative Biology, home to over 30 faculty working in ecology, behavior, conservation and evolution. The University of Illinois at Urbana-Champaign offers state-of-the-art research facilities such as the Institute for Genomic Biology (IGB), the Beckman Institute (several research themes including bioimaging and Molecular Science and Engineering) and the Grainger College of Engineering. Urbana-Champaign is a pleasant, affordable, university town with good music and restaurants. It has its own airport and is close to three major U.S. cities (Chicago, Indianapolis, St. Louis).

Students for the Ph.D. are typically funded for 5-years with a combination of fellowships, research assistantships, and teaching assistantships. The deadline for consideration is December 15, 2024. However, prospective students should contact potential faculty advisors well in advance of applying to discuss research interests and relevant qualifications. For further information, see https://sib.illinois.edu/eeb/graduate_admissions . Please note that we have many types of fellowships including fellowships to help recruit students who come from groups that are under-represented in science.

The following faculty are actively recruiting students:

Philip Anderson - Evolutionary biomechanics, functional morphology, paleontology, vertebrates, invertebrates, plants.

Alison Bell - Evolution of behavior, individual differences in behavior, behavioral genomics, neuroendocrine mechanisms, three-spine sticklebacks. Email: alisonmb@illinois.edu

Philip Anderson andersps@illinois.edu

"Anderson, Philip S L" <andersps@illinois.edu>

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UJyvaskyla EvolutionFungicideResist

We are looking for a PhD researcher at the Department of Biological and Environmental Science at the University of Jyväskylä to join a project "The non-target role of fungicides (NoT-FUN)" funded by the Research Council of Finland. The three and half-year position will start on 2.1.2025 or as agreed.

Project description Despite the wide use of agrochemicals, our understanding of their non-target effects are scarce. For instance, fungicide application in the field is considered to impose selection only on fungal pathogens, although non-target insects are simultaneously affected. Some fungicides target chitin pathways, which could also select for tougher/thinner cuticle among insects. Fungicides may select also insect gut mycobiome, a largely unknown part of insect gut microbiome and affect insect life history parameters. By taking an advantage of fungicide resistance action committee's (FRAC) mode of action classification, we will test experimentally can fungicides affect a beneficial pollinator honeybee's (Apis mellifera) physiology (respiration, lipidome, cell wall) and mycobiome (diversity/volume) and test the extend these changes can affect beneficial insects. If fungicides effect extent on insect's life-history, it could shed also light to the recent decline of insects.

See more information and apply in: https://-ats.talentadore.com/apply/doctoral-researcher-evolutionary-ecology-and-genetics/DPkXJw "Kankare, Maaria" <s.maaria.kankare@jyu.fi>

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ULethbridge Canada AvianPaleoneurology

The Iwaniuk lab at the University of Lethbridge currently has an opening for a MSc or PhD student interested in avian paleoneurology. The successful applicant will work on a collaborative project with the National Museum of Natural History (Smithsonian Institution) on the brain and sensory system anatomy of extinct birds, such as the moa-nalos and other extinct waterfowl of Hawai'i. The project will rely primarily on micro-CT scanning of subfossil specimens and histology of extant species, with the overall aim of improving our understanding of avian sensory abilities and their evolution. As part of this research, the successful applicant will learn histology, digital microscopy, quantitative analyses of CT-scans, and dissections as well as have access to the largest bird brain collection in the world (over 200 species), which is housed exclusively in our lab. Other collaborative opportunities may also be available depending on the student's specific research interests and goals.

Potential applicants should have research experience

in ornithology, paleontology, comparative anatomy, or neuroanatomy. Previous experience with R is necessary, but other specific techniques can be taught within our lab and those of our collaborators.

The University of Lethbridge offers competitive scholarship funding, including tuition waivers for domestic and international students, that are based primarily on grades and research experience. This will be supplemented by funds from currently held research grants and students are welcome to apply for additional scholarship support. In addition, students in the Iwaniuk lab receive support to attend international conferences.

To apply, please send the following to: andrew.iwaniuk@uleth.ca: 1) a c.v. 2) unofficial copies of academic transcripts 3) contact details of at least 2 academic references 4) a brief description of your research interests

Applications are due by 15 January 2025 with the School of Graduate Studies for students wishing to begin in May or September 2025.

Dr. Andrew N. Iwaniuk Professor Department of Neuroscience University of Lethbridge Lethbridge AB T1K 3M4 Canada office: +1 403 332 5288

Bird-brain (bÃ≫rd brān)1. a person regarded as silly or stupid.

https://bsky.app/profile/evoneuro.bsky.social "Iwaniuk, Andrew" <andrew.iwaniuk@uleth.ca>

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ULouisiana ConservationEvolutionaryGenomics

Graduate Position in Conservation and Evolutionary Genomics

University of Louisiana at Lafayette

The Cassin Sackett Lab at the University of Louisiana is looking for a highly motivated graduate student to study population and conservation genomics in prairie dogs. We use ancient DNA, field sampling, next-generation sequencing and bioinformatic approaches to answer fundamental questions in evolutionary biology, especially those with practical conservation applications. Some major questions being asked in the lab are:

§How do humans influence the evolution of wildlife? We study the ways in which climate change, habitat alteration, and introduced diseases impact the distribution of genetic variation, rates of gene flow, and the probability of adaptation.

§What is the genomic basis of rapid adaptation to novel pathogens? We examine the demographic and environmental constraints to adaptation and whether genomic architecture of rapid adaptation differs from that of more gradual adaptation (e.g., to climate).

Please visit the lab website for more details on current projects: www.cassinsackett.com The student will work in a collaborative environment on aspects of an NSF-funded project that uses genomic approaches to investigate the genomic basis of resistance to *Yersinia pestis*, the bacterial pathogen causing plague, and the constraints on adaptation to this pathogen. Projects could include genomics of experimentally infected prairie dogs, landscape genetics, genomic basis of adaptation, molecular evolution, or other relevant topics.

The position is supported minimally by a teaching assistantship, but the University of Louisiana also offers multiple fellowships for PhD students, including SREB doctoral fellowships (https://www.sreb.org/-doctoral-scholars-program) for students from historically marginalized groups. The work requires collaboration with individuals from Hispanic- and tribal-serving institutions; thus, cultural sensitivity is a requirement for this position. The position will be based in UL's Department of Biology (https://-biology.louisiana.edu/). Interested applicants should contact cassin.sackett@gmail.com for inquiries. The desired start date is Summer or Fall 2025.

Qualifications:

Applicants should have a bachelor's degree in biology, computer science, or a related field. We are looking for a student who is motivated, hard-working, and passionate about topics in evolutionary biology. The student should have or be willing to develop excellent organizational and communication skills, computing skills, and the desire/willingness to engage in outreach. The Cassin Sackett lab is committed to inclusivity in STEM, and we especially encourage applications from women, minoritized students, veterans and members of other groups underrepresented in STEM.

How to apply:

Interested candidates should reach out to me before applying (Loren.Sackett@gmail.com). Applications are due by February 1 (but earlier applications are encouraged) following the guidelines at https://-gradschool.louisiana.edu/admissions . – Loren Cassin Sackett, Ph.D. Fulbright Alum, Colombia Research Affil-

iate, Smithsonian Institution South Louisiana Mid Winter Fair/BORSF Professorship in Environmental Science Assistant Professor, Biology University of Louisiana Lafayette, LA 70504 www.cassinsackett.com Latest paper: https://academic.oup.com/jhered/advance-article/doi/10.1093/jhered/esad017/7069306 Loren Cassin Sackett <loren.sackett@gmail.com>

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UmeaU Two Bioinformatics

We are currently seeking up to two PhD students (Bioinformatics) to join our exciting research on human gut associated microbes at strain level! The successful candidates will be affiliated with the Department of Clinical Microbiology at Umeå University in a dynamic international setting! Additionally, the candidates will be part of The Laboratory for Molecular Infection Medicine Sweden, MIMS (the Swedish node of Nordic EMBL partnership for molecular medicine)and the DDLS network (hosted by SciLifeLab) - This offers numerous opportunities for collaboration with researchers both in Sweden and across Europe! Please feel free to share this within your network!

For more details on the position and "how to apply" follow the link below:

https://umu.varbi.com/what:job/jobID:763048/-(Swedish)

https://umu.varbi.com/en/what:job/jobID:763048/-(English)

Best regards

Chinmay

chinmay kumar Dwibedi <chinmaydwibedi@gmail.com>

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UMiami EvolutionTropicalBiodiversity

I am seeking to recruit PhD students interested in understanding how species evolve, and the processes which preserve them once they exist. The specific focus for research projects is open and flexible, but topics of potential interest include speciation, evolution of aposematism and mimicry, plant-insect interactions, neotropical biogeography and genomics, genetics of hybrid sterility, invasive species biology, tropical biodiversity and global change, application of artificial intelligence to taxonomy and systematics, among others. For more details, please visit https://rosserlab.github.io and https://biology.as.miami.edu.

The University of Miami is an R1 university located in Coral Gables, with a leafy, subtropical campus. Opportunities for tropical biology research are abundant: the Department of Biology has close ties to nearby botanical gardens, easy access to the Florida Keys and Everglades, and is ~30 minutes from Miami International Airport, with direct flights to many Latin American cities.

Students admitted to the Biology PhD program receive full tuition scholarships, a competitive stipend and health coverage. Please note that the application fee can be waived for students coming from middle- and low-income countries.

The applications are due by 1st December. If you are interested in applying, please send your CV and a short email explaining your background and motivation, ideally no later than 3 weeks prior to the deadline.

Neil Rosser Department of Biology University of Miami neil.rosser@miami.edu

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Estoy buscando reclutar estudiantes de doctorado interesados en comprender c?mo nuevas especies evolucionan, y los procesos que las preservan una vez que existen. El enfoque espec?fico para los proyectos de investigaci?n es abierto y flexible, pero algunos temas de posible inter?s incluyen especiaci?n, evoluci?n del aposematismo y mimetismo, interacciones planta-insecto, biogeograf?a y gen?mica neotropical, gen?tica de la esterilidad h?brida, biolog?a de especies invasoras, biodiversidad tropical y cambio global, aplicaci?n de la inteligencia artificial a la taxonom?a y sistem?tica, entre otros. Para m?s detalles, visite https://rosserlab.github.io y

https://biology.as.miami.edu.

La Universidad de Miami es una universidad de categor?a R1 (enfocada en investigaci?n) ubicada en Coral Gables, con un campus subtropical lleno de vegetaci?n. Las oportunidades para la investigaci?n en biolog?a tropical son abundantes: el Departamento de Biolog?a tiene estrechos lazos con jardines bot?nicos cercanos, f?cil acceso a los Cayos de Florida y los Everglades, y est? a unos 30 minutos del Aeropuerto Internacional de Miami, con vuelos directos a muchas ciudades de Latinoam?rica.

Los estudiantes admitidos al programa de doctorado reciben becas completas de matr?cula, un salario mensual competitivo y cobertura de salud. Tenga en cuenta que el valor de aplicaci?n puede ser exonerada para estudiantes de pa?ses de ingresos medios o bajos.

Las solicitudes se deben enviar antes del 1 de diciembre. Si est? interesado en postularse, env?eme su CV (hoja de vida) y un breve correo electr?nico explicando su experiencia y motivaci?n, idealmente no m?s tarde de 3 semanas antes de la fecha l?mite.

Neil Rosser Department of Biology University of Miami neil.rosser@miami.edu

neil.rosser@miami.edu

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UNebraska Lincoln AvianGenomics

Ph.D. Assistantship: Conservation Genomics in Grassland Avian Systems

We are seeking a candidate for Doctor of Philosophy assistantship at the University of Nebraska-Lincoln. The students will develop large multi-locus genomic datasets to conduct analyses to evaluate the influence of grassland conservation efforts, specifically the Conservation Reserve Program (CRP), on greater prairie-chicken populations in Kansas and Nebraska. The US Department of Agriculture's CRP is considered the most effective large-scale conservation effort to increase the utility of working landscapes for wildlife. As with many grassland birds, greater prairie chickens are in decline with Kansas and Nebraska supporting the majority of extant populations. The project will produce actionable science with the results of this multi-faceted study informing CRP enrollment as well as Greater Prairie Chicken management in the region. The successful candidate will be involved in field (capture, monitoring of transmittered individuals and nests, and vegetation surveys) and laboratory (genomic data collection) components. This is a collaborative project, as such, the successful candidate will work with a team of students, technicians, private landowners, university faculty, and state biologists.

Start Date: January - August 2025 (flexible depending on applicant)

Salary: $30,000/year graduate research assistantship for 4 years. Tuition and health insurance will be covered by the project. Students are responsible for student fees outside of tuition.

Qualifications: Master of Science in biology, ecology, evolution, wildlife, spatial science, or other relevant discipline. Experience with molecular biology techniques, avian capture methods, and coding in R or python is desirable. A willingness to learn, attention to detail, and a strong work ethic are essential.

How to Apply: Please e-mail a cover letter, CV, unofficial transcripts, and names and contact information of three references (preferably as a single PDF) to Sarah Sonsthagen (ssonsthagen2@unl.edu) and Dan Sullins (sullins@ksu.edu) with the subject line as "Prairie-chicken GRA last name". If possible, please include a writing example (published manuscript, official report, etc). Review of applications will begin immediately and continue until a suitable candidate is identified.

UNL and NECFWRU values equity, diversity, and inclusion.

Sarah Sonsthagen ssonsthagen2@unl.edu

Sarah Sonsthagen <ssonsthagen2@unl.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

ssonsthagen2@unl.edu

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UNevada Reno EvolParentalCare

UNEVADA_RENO.EvolParentalCare

Content: We are looking for a talented and enthusiastic evolutionary or behavioral ecologist for PhD position. The successful applicant will work on a project aimed at understanding the evolution of mating and parental care

systems. The PhD candidate will work in the research group of Dr. Davide Baldan, located at the University of Nevada, Reno, USA.

The candidate will be based at the University of Nevada, Reno (UNR). UNR is a R1 institution offering a highly productive research environment. The Biology Department is home to 37 faculty members that maintain nationally recognized, extramurally funded research programs, mentor 50 graduate students, and participate in undergraduate research. The PhD candidate will join the highly interdisciplinary EECB PhD program (https://www.unr.edu/eecb), which brings together faculty and students from a range of departments. The candidate is expected to carry out fieldwork in Europe for 2-3 months per year. The candidate has the opportunity to customize his/her education according to scientific interests.

Project description:

Family life is a fascinating social system in which two parents must cooperate to raise the offspring together, while facing an evolutionary conflict of interest ('sexual conflict'). This conflict has led to the evolution of a variety of parental care strategies, from biparental care to female only- and male only-care. We use different songbird populations in Spain (near Madrid) and Italy (Italian Alps) to study the mechanisms and evolutionary consequences of parental care decisions.

Proposed research topics in this call include:

1 - How do parents respond to each other? The candidate can plan and execute behavioral field experiments to elucidate the behavioral rules that parents adopt when negotiating care for their offspring.

2 - Neuroendocrine mechanisms mediating pair bonding and parental care. The candidate can make use of a neuroendocrine lab at UNR to study the hormonal and physiological regulation of mating and parental strategies.

3 - Effect of climate change on mating and reproductive strategies. The candidate can use long-term breeding datasets and monitor active songbird populations to investigate the effect of climate warming on reproduction of alpine birds.

Qualifications

The ideal candidate is highly motivated, ambitious, creative, and has a good affinity with behavioral ecology research. The successful candidate will have the following required qualifications:

- the ability to work independently and in a team;

- excellent conceptual capacity;

- excellent command of the English language; Spanish or Italian is a plus.

- excellent communication and presentation skills, both in words and in writing;

- some knowledge of advanced statistics and a computer language like R.

Application

Interested candidates should send an email to dbaldan@unr.edu with a CV and a cover letter. You can submit your application until November 15th, 2024. The successful candidate must then submit an application package to EECB by December 15th 2024. Starting date is Spring/Fall 2024.

Details about admission and requirements can be found at https://www.unr.edu/eecb/prospective-students Information

For information you can contact: Davide Baldan, dbaldan@unr.edu

Dr. Davide Baldan

Assistant Professor Department of Biology University of Nevada, Reno 1664 N Virginia Street, Reno, NV 89557 https://www.davidebaldan.com/ Davide Baldan <dbaldan@unr.edu>

UNotreDame PlasticityVisualSystemFish

PhD Position Investigating the Evolution of Phenotypic Plasticity and Visual Systems in Cichlid Fish

The Torres-Dowdall Lab (torres-dowdall.com) at the University of Notre Dame, IN is seeking highly motivated and independent PhD students interested in exploring the evolution of phenotypic plasticity, using the visual system of cichlid fish as a model. Our research focuses on understanding the molecular mechanisms underlying visual system plasticity and how these processes shape broader evolutionary patterns. You will have the opportunity to apply state-of-the-art methods such as single-cell transcriptomics, QTL mapping, and machine learning. This is an exciting opportunity for students interested in both mechanistic biology and evolutionary theory, with our ultimate goal being to uncover how plasticity drives adaptive evolution, impacting biodiversity

and species' resilience to environmental changes.

We encourage applicants with diverse interests in molecular evolution, evolutionary biology, or sensory ecology to apply. You will have the chance to develop your own research questions within the lab's focus areas, fostering independence and helping you build your scientific identity.

The University of Notre Dame (www.nd.edu) offers a vibrant research community, state-of-the-art facilities, and numerous interdisciplinary collaboration opportunities. The Department of Biological Sciences (biology.nd.edu) provides a supportive environment where graduate students can thrive, with access to excellent resources and mentorship.

Interested candidates are encouraged to contact Dr. Torres-Dowdall at torresdowdall@nd.edu with a brief introduction of your research and career goals, along with a current CV.

Application Deadline: December 1st, 2024 For more information about the lab and department, visit www.torres-dowdall.com and www.biology.nd.edu.

Julián Torres-Dowdall 216 Galvin Life Science Center University of Notre Dame Notre Dame, IN 46556 Office: 574-631-6597 Email: torresdowdall@nd.edu Webpage: https://biology.nd.edu/people/julian-torres-dowdall/ jtorresd@nd.edu

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UOulu InsectBiodiversityGenomics

We are seeking two doctoral researchers to work on Oulu University's Kvantum Institute Spearhead Project "Developing a Genomic Blueprint for a Bio-literate Future".

Position 1: DNA-based taxonomy of Braconidae We will hire one (1) research-oriented, talented and industrious person to carry out doctoral studies in the project of "Developing a Genomic Blueprint for a Bio-literate Future". The researcher will focus on massively diverse and taxonomically 'dark' group of braconid wasps in order to develop novel DNA-based solutions to accelerate their species descriptions based on their DNA characteristics. The researcher will develop an efficient protocol to recover nuclear genetic data from species using high-throughput sequencing approaches such as ONT and/or PacBio, and will demonstrate the efficiency of this protocol in practise. Additionally, the researcher will focus on estimating species richness of Cecidomyiidae (gall midges) globally.

Position 2: Species interconnections genomics We will hire one (1) research-oriented, talented and industrious person to carry out doctoral studies in the project of "Developing a Genomic Blueprint for a Bio-literate Future". The researcher will focus on developing new genomics approaches to elucidate species interconnections, i.e. host-parasitoid and host-herbivore relationships. The work will be conducted using reared and wild-collected specimens of parasitoid wasps and flies as well as sawfly larvae. The primary sequencing platforms will be ONT and Illumina. The goal is to develop and demonstrate approaches to recover host species directly from the specimen based on remains of DNA of their gut contents.

For more details on the position and "how to apply" follow the link below:

https://oulunyliopisto.varbi.com/what:job/-jobID:765013/ Marko Mutanen Professor (Molecular Systematics and Bioliteracy) University of Oulu Finland

Insect Bioliteracy group: https://-insgensyst.wordpress.com/ Finnish Barcode of Life (FinBOL): https://www.finbol.org/ Biodiverse Anthropocenes: https://www.oulu.fi/en/research/biodiverse-arctic-and-global-resilience/biodiverse-anthropocenes Marko Mutanen <Marko.Mutanen@oulu.fi>

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URhodeIsland WildlifeDiseases

The Harvey Lab at the University of Rhode Island is recruiting PhD students in wildlife disease ecology to start in Fall of 2025. We seek one to two highly motivated students with passiona and experience working with birds, pathogens, immunology, or transcriptomics. We particularly encourage candidates who are from poorly represented backgrounds in Biology to apply. We will assess candidates based on the alignment of their research interests, shared values, and their preparedness to undertake a long-term, independent research project.

Students will have 5 years of guaranteed support through a combination TAships/RAships. They will be encouraged to apply for independent fellowships. Students are accepted through the Biological and Environmental

Sciences Graduate Program either through the Ecology and Ecosystems specialization or the Evolution and Marine Biology specialization. URI is located Kingston, and is a small but in close proximity to beaches, lots outdoor recreation, and birding. Kingston is nearby to cities such as Providence (~30 min) and Boston (~1hr).

The Harvey lab is recruiting students broadly interested in endemic and emergent wildlife diseases with projects integrating immunology, immunogenetics, transcriptomics, evolutionary genetics, conservation genetics. Our lab works with primarily birds, but we are open to a variety of taxa (i.e., mammals, reptiles). The labs research aims are to: - Understand the evolutionary mechanisms involved in immune response (immunogenetics) in the wild - Identify emerging disease drivers of wildlife decline and inform conservation management - Identify wildlife disease dynamics in the contexts of multiple anthropogenic drivers

Please visit the Lab website for more information: https://jharvey.netlify.app MINIMUM QUALIFICATIONS: - B.S. Degree in evolutionary biology, molecular biology, conservation genetics, bioinformatics or a related field - Highly self-motivated, independent, and creative thinkers that are enthusiastic about pursuing a career in disease ecology, conservation, and evolutionary genetics.

DESIRED QUALIFICATIONS: - interest in core concepts in evolutionary biology and disease ecology - motivation to do lab research - proficiency in spoken and written English - experience with statistics and R is an advantage - experience working with viral pathogens, endoparasites, or host- parasite systems is an advantage - knowledge of (and experience with) wild waterfowl, seabirds, or passerine systems - field experience in capturing, banding, and auxiliary marker deployment among waterfowl, seabirds or other birds. - Experience in transcriptomics, evolutionary genetics, or molecular evolution and with molecular data

APPLICATION PROCESS: To apply, please send Dr. Johanna Harvey (j_harvey@uri.edu) a copy of your CV, and a one-page cover letter explaining your background and path to research, any research outcomes to date or relevant experience, your future research interests and expectations, potential career goals, and what type of research projects you would envision developing in my lab.

Please, also include unofficial academic transcript and the name and email, phone numbers for three professional references.

Please include "Graduate Student Application 2025" in the email subject line. I will set up zoom interviews with candidates that could be a good fit in my lab.

I will notify students that are encouraged to apply in time to prepare applications by the December 15, 2024 deadline.

Johanna Harvey, PhD (pronouns: she/her/hers) Assistant Professor Wildlife Disease Ecology Department of Natural Resources Science University of Rhode Island j_harvey@uri.edu

Johanna Harvey <j_harvey@uri.edu>

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UtahStateU SocialInsectEvolution

Hello EvolDir,

The Smith Lab at Utah State University is recruiting graduate students interested in pursuing an MS or PhD. Research in the lab focuses on understanding the regulation and role of phenotypic plasticity in societies, using ant caste determination as a focal system. Past projects run the gamut from field experiments to comparative genomics. Papers on past projects can be found HERE < https://scholar.google.com/citations?user=-3D3Fdnq2sAAAAJ&hl=3Den >. Students would be funded using a combination of research and teaching assistantships. Interested students should contact Chris Smith (c.r.smith@usu.edu) to discuss interests before applying. The Smith Lab is dedicated to the principal of respecting all persons and providing an environment where people and science can thrive. For more on our graduate program and how to apply, visit: https://www.usu.edu/-biology/students/graduate/prospective-students For more information on the Cache Valley region of Utah, including all of the beautiful mountains, trails, climbing, skiing, music, and more, visit the following sites: fast facts from our HR < https://www.usu.edu/hr/jobs/ >, visit Utah < https://www.visitutah.com/places-to-go/-cities-and-towns/cache-valley >, Cache County visitor bureau < https://www.explorelogan.com/ >

— Chris R. Smith Professor and Department Head Department of Biology Utah State University 5305 Old Main Hill Logan, UT 84322-5305 Link to GoogleScholar < https://scholar.google.com/-citations?user=3D3Fdnq2sAAAAJ&hl=en >

c.r.smith@usu.edu

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ing@mcmaster.ca)

UToronto MolluscanEvolution

We're recruiting graduate students to the Layton Lab at the University of Toronto! We're broadly interested in molluscan systematics, evolution and genomics and we work on a number of different systems and questions spanning both micro and macroevolutionary scales. For detailed information about our research, please see here:https://www.laytonlab.com Grad students will be part of the vibrant Ecology and Evolutionary Biology department at the University of Toronto. Please see their website (https://eeb.utoronto.ca/education/graduate/) for more information about the department.

Applicants should send along a CV, a brief statement (max 250 words) describing their research interests and motivation for pursuing graduate studies and unofficial transcripts by November 1st for full consideration (kara.layton@utoronto.ca). Our group welcomes, supports and encourages diversity in academia so please don't hesitate to ask how my supervisory approach, and the research group more broadly, can best meet your needs.

Anticipated start date of September 2025 but early admission may be possible.

Kara Layton

Assistant Professor

University of Toronto

E: kara.layton@utoronto.ca

W: laytonlab.com

Kara Layton <karakslayton@gmail.com>

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UWyoming PlantPopulationViability

The Hufford Lab at the University of Wyoming is seeking PhD applicants for a study of evolutionary restoration ecology with a focus on seed harvesting practices. Wild seed collections are crucial in ecological restoration and commercial collection permits often allow removal of up to 100% of available seeds at sites on public lands. The successful applicant will study the consequences of seed harvesting for plant population viability and the risks of population extinction over time. Project activities will include field studies and PVA modeling with the goal to develop policies and practices that ensure the sustainable management of public lands and the preservation of vital ecosystem services.

Qualifications include a minimum bachelor's GPA of 3.0 and a master's degree (completed by the start date) in ecology, environmental sciences, plant biology, or a related discipline. In rare cases, exceptions to GPA or degree requirements will be considered. All applicants must have a driver's license and the ability to drive and work in occasionally harsh conditions.

Interested students are encouraged to reach out with questions by contacting Dr. Kristina Hufford at khufford@uwyo.edu. You may apply by emailing the following information: (1) a one-page statement describing your interest in the project and relevant aspects of your background, (2) transcripts from undergraduate and graduate degrees (unofficial transcripts are acceptable), (3) a resume or CV, and (4) the contact information of three references. Review of applications will continue until the position is filled. Start date is flexible for either spring 2025, or summer/fall 2025. The fellowship is funded for up to four years with satisfactory progress. To learn more about UW graduate studies, please visit https://www.uwyo.edu/uwgrad/index.html

UW is located in Laramie, a town of 32,000 in the heart of the Rocky Mountain West. Laramie is located approximately 50 miles from Fort Collins and 130 miles from Denver, providing residents with easy access to a variety of outdoor recreation and cultural amenities, professional opportunities, and larger entertainment options while enjoying the relaxed environment of small-town life. The state of Wyoming continues to invest in its university, helping to make it a leader in academics, research and outreach.

The University of Wyoming is an equal opportunity/affirmative action institution.

khufford@uwyo.edu

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Vienna PopulationGenetics

PhD positions in Population Genetics

Over evoldir@evol.biology.mcmaster.ca of population genetics. The Vienna Graduate School of Population Genetics has been founded to provide a training opportunity for PhD students to build on this excellent on-site expertise.in Population Genetics

We invite applications from highly motivated and outstanding students with a love for evolutionary research and a background in one of the following disciplines: evolutionary genetics, functional genetics, theoretical or experimental population genetics, bioinformatics, mathematics, statistics.

Topics include:

* The role of deleterious mutations for adaptation and maintenance of variation. * Long-term adaptation of local Drosophila populations. * The evolution of ageing. * Inference of selection signatures from time-series data. * Making sense of whole-genome polymorphism data. * Studying the genotype-phenotype map. * Stabilising selection during polygenic adaptation. * Evolution of regulatory networks.

Only complete applications (application form, CV, motivation letter, university certificates, indication of the two preferred topics in a single pdf) received by November 29, 2024 will be considered. Two letters of recommendation need to be sent directly by the referees.

PhD students will receive a monthly salary based on currently euro 2.684,10 before tax according to the regulations of the Austrian Science Fund (FWF).

All information about the about available topics, the training program and the application procedure can be found at www.popgen-vienna.at Carina Baskett

Coordinator, Joint Research Program (SFB)– Polygenic Adaptation Coordinator, Vienna Graduate School of Population Genetics she/her/hers carina.baskett@vetmeduni.ac.at

in Population Genetics

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Baskett Carina <Carina.Baskett@vetmeduni.ac.at>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

VirginiaTech GenomeComplexityEvolution

Funded PhD Position in the Aylward Lab at Virginia Tech.

Blacksburg, VA, USA.

The Aylward lab at Virginia Tech is seeking PhD students interested in the evolution of genome complexity in microbes and viruses. The Aylward lab uses comparative genomic, metagenomic, and experimental approaches to address questions regarding microbial and viral diversity. Recent projects have focused on giant virus diversity, endogenous giant viruses in green algae, and bacterial and archaeal phylogenomics. Candidates will be able to work on existing research projects and develop their own. Experience working with 'omic data is welcome, as is proficiency in Python or other coding languages commonly used in bioinformatics. More information on the lab and current research can be found on the website: www.aylwardlab.com Required Qualifications:

Bachelor's degree in field related to biology. Strong enthusiams for microbial and viral evolution and genomics

Preferred Qualifications:

Experience working with large genomic/metagenomic datasets,

Experience with a coding language (preferably Python or R) and working with bioinformatic workflows.

For inquiries contact faylward@vt.edu. Interested applicant should email a cover letter and CV to Frank.

"Aylward, Frank" <faylward@vt.edu>

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Jobs

ArizonaStateU AnthropologicalGenetics

Search for Assistant or Associate Professor in Anthropological Genetics School of Human Evolution and Social Change The College of Liberal Arts and Sciences

Job Details and Essential Duties

The School of Human Evolution and Social Change at Arizona State University invites applications for a full-time, tenure-track or tenured appointment as an assistant or associate professor to join our world-leading program in evolutionary anthropology. We seek applicants with exceptional scholarly potential for advancing our understanding of human evolutionary genetics, including human origins, migration, adaptation and variation. Specific research topic, approach, methods, and

region are open, and the candidate's program of research may be focused in deep or more recent times, including on contemporary societies. Anticipated start date is August 2025.

Specific job duties include conducting collaborative field, bioinformatic and/or laboratory research in anthropological genetics, presenting research findings in peer-reviewed scholarly outlets, seeking external research funding, teaching, training and mentoring undergraduate and graduate students, providing service to the university and academy, and outreach such as providing expert advice and the public communication of science.

Information about the School can be found at http://-shesc.asu.edu. The School collaborates extensively with ASU's Institute for Human Origins (http://iho.asu.edu) and the Center for Evolution and Medicine (https:/-/evmed.asu.edu). The candidate will have a research associate position in the Institute of Human Origins and may also be associated with the Center for Evolution and Medicine to help advance their interdisciplinary research and public outreach activities.

The College values our cultural and intellectual breadth, and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who demonstrate strong commitment to the goals of the ASU Charter.

About the School of Human Evolution and Social Change

Known for its leadership in innovative education and research, the School of Human Evolution and Social Change includes one of the nation's top-ranked anthropology programs and the largest and most research-productive transdisciplinary anthropology faculty in the nation. Staying true to our four-field anthropological origins means we remain committed to leveraging a long-term, comparative, and holistic perspective on human origins as a way to understand and address complex problems, now and for the future, and a deep concern for community engagement and social justice. In addition to anthropology, our students can earn degrees in global health, museum studies and environmental social science. We are also known for our high-quality study abroad, field school programs and research apprenticeship opportunities for our ~1,000 undergraduate majors and ~200 graduate students.

We offer a dynamic, collegial, and challenging work environment due to the pace of innovation, complex array of research and academic programs, and high-profile initiatives. SHESC is the largest social science unit in The College of Liberal Arts and Sciences, ASU's largest college. For complete information, see http://-shesc.asu.edu/ . About The College of Liberal Arts and Sciences

The College of Liberal Arts and Sciences is the academic heart of Arizona State University, committed to improving communities on a local, national and global scale. We support the professional development and growth of our faculty and staff in their cutting-edge research to advance these aims. Within The College, our faculty engage with a large curious student body, guiding them as they grow into socially aware, critical thinkers and writers able to succeed in a wide range of careers and to address the challenges of the twenty-first century. Advancing the success of our students remains our top priority. To learn more about The College of Liberal Arts and Sciences, please visit https://thecollege.asu.edu . About Arizona State University

ASU exemplifies a new prototype for the American public research university. As articulated in the ASU Charter, ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.

Qualifications Required Qualifications:

* A PhD in Anthropology, Evolutionary Biology, Human Genetics, or related field by the time of appointment. * A proficient record of research given level of experience. * Demonstrated ability for achieving high levels of research productivity and impact.

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

ArizonaStateU TeachingComputationalBiol

The School of Life Sciences (SOLS) invites applications for two full-time, benefits-eligible, non-tenure-eligible Teaching Assistant Professor positions with an anticipated start date of August 16, 2025. Both positions are 80% teaching and 20% service. Subsequent academic year renewals (Aug. 16 to May 15) are contingent upon satisfactory performance, availability of resources, and

the needs of the unit. Supplementary summer teaching may be available.

Applicants should have a broad grasp of computational biology, coding, genomics, and biostatistics, and experience in college or university-level teaching and student mentoring. Ideally, applicants will also have experience in research, in the fields of computational life sciences, bioinformatics, biostatistics, biological computing, or genomics.

Successful applicants will contribute to SOLSï¿½ innovative online MS programs in Computational Life Sciences and in Biology. They will be responsible for providing instruction in online Masterï¿½s-level and undergraduate courses in genomics, genetics, coding, biostatistics, quantitative and/or computational biology. This includes supervising coursework for Applied Projects and Capstones for the Computational Life Sciences MS program. Responsibilities will include supervising graduate teaching assistants and updating/developing course materials with other faculty & staff. This person will also provide service within the school, college, and university in capacities appropriate for the position.

About School of Life Sciences

The School of Life Sciences is a broadly interdisciplinary community of undergraduates, M.S. and Ph.D. students, staff, and faculty members. We are committed to transforming science education and research by making learning more accessible, inclusive, and impactful through innovations in teaching and connections to nationally recognized research and education programs such as the Research in Inclusive STEM Education (RISE) Center. The School of Life Sciences is also home to a growing Computational Life Sciences program for undergraduate and graduate students including online and immersion MS students. SOLS is embedded within the larger community of ASU, a dynamic, progressive university dedicated to interdisciplinary collaborations, rethinking university education, and integrating excellence in research and teaching. The university has been ranked #1 in innovation by US News & World Report for the past ten years. We invite you to learn more about the School of Life Sciences and Arizona State University by visiting https://sols.asu.edu, and https://-/newamericanuniversity.asu.edu, respectively. Learn more about what The College of Liberal Arts and Sciences has to offer by visiting https://thecollege.asu.edu/-faculty. . About The College of Liberal Arts and Sciences

The College of Liberal Arts and Sciences is the academic heart of Arizona State University, committed to improving communities on a local, national and global scale. We support the professional development and growth of our faculty and staff in their cutting-edge research to advance these aims. Within The College, our faculty engage with a large curious student body, guiding them as they grow into socially aware, critical thinkers and writers able to succeed in a wide range of careers and to address the challenges of the twenty-first century. Advancing the success of our students remains our top priority. To learn more about The College of Liberal Arts and Sciences, please visit https://thecollege.asu.edu . About Arizona State University

ASU exemplifies a new prototype for the American public research university. As articulated in the ASU Charter, ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.

Required Qualifications:

PhD in computational biology, quantitative biology, genomics, bioinformatics, biostatistics, or a related fieldby the time of appointment Demonstrated experience teaching college-level computational biology courses Demonstrated evidence of organizational and communication skills

Desired Qualifications:

- Three (3) or more years of college-level teaching experience

- Three (3) or more years of research experience in computational life sciences, biostatistics, or genomics

- Demonstrated experience teaching college-level biology courses in alternative delivery modalities such as hybrid or online

- Experience creating curriculum and teaching online

- Experience in using technology to supplement and improve pedagogy

— / —

AuburnU EvolutionaryGenomics

The Department of Biological Sciences at Auburn University seeks a new Tenure-Track Assistant Professor in Evolutionary Genomics

Apply Here:https://www.auemployment.com/postings/-49038 Position description

The Department of Biological Sciences at Auburn University invites applications for a tenure-track faculty position at the Assistant Professor level in Evolutionary Genomics, beginning Fall 2025. The successful candidate is expected to develop an internationally recognized research program focused on topics such as comparative genomics, genetics of speciation, regulatory evolution, evolution of developmental mechanisms, metagenomics, phylogenomics and systematics, evolutionary ecology, molecular evolution, or genome evolution. Candidates using innovative approaches with cutting edge tools for high-dimensional data across any biological system are desired. The candidate will have teaching responsibilities in the undergraduate teaching program and the opportunity to develop new upper-division and/or graduate coursework in their area of specialization. The successful candidate will contribute to the Department's existing research strengths in evolutionary genetics, functional adaptations, and phylogenomics. The successful candidate will benefit from the variety of genomic and computational resources available at Auburn, as well as resources of the AU Museum of Natural History, with the opportunity to curate available.

At the College of Sciences and Mathematics, we value the land grant mission of the university. We are committed to broadening access to higher education in order to cultivate culturally competent professionals. Applicants should submit a cover letter, curriculum vitae, a description of research interests, a statement of teaching philosophy and experience, and the names and contact information of at least three references. Applicants are encouraged to describe efforts they have made to broaden public participation in science in the cover letter, teaching, and/or research statements. More information about the department and its programs can be found at the following web site: http://www.auburn.edu/cosam/-departments/biology/index.htm .As an R1, Doctoral University and one of the nation's premier land, sea, and space grant institutions, Auburn University is understanding of and sensitive to the family needs of faculty, including dual-career couples. For more information, please visit: http://www.auburn.edu/academic/-provost/facultyjobs/ . Applicants must have a Ph.D. in Biological Sciences or a closely related discipline, plus relevant postdoctoral experience at the time appointment begins. Excellent written and interpersonal communication skills are required. The candidate selected for the position must be able to meet eligibility requirements to work in the United States at the time appointment is to begin and continue working legally for the proposed term of appointment.

Review of applications will begin, November 1st, and will continue until a suitable applicant is found.

Laurie Stevison <lss0021@auburn.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

BostonU ResSupport EvolGenomics

Seeking Research Support Specialist in Evolutionary Genomics

Location: Mullen Lab, Boston University, Boston, MA

Start Date: Position available immediately, but preferred start by January 2025

Job Description: The Mullen Evolutionary Genomics Lab at Boston University seeks applications for a Research Support Specialist. Research in the Mullen Lab is aimed at understanding the origin and maintenance of diversity across levels of biological organization. Current projects in the lab focus on testing mimicry theory, understanding the structure, function, and evolution of cis-regulatory elements influencing color pattern development in butterflies, and investigating the causes and consequences of synanthropic life-history evolution in the webbing clothes moth.

The primary objectives of this role will include direct supervision of Mullen Lab graduate students in bioinformatic techniques and wet lab experiments. If interested, there is also potential for the successful candidate to work on independent data analysis of a whole genome sequencing dataset aimed at understanding the role of cis-regulatory elements in a butterfly mimicry complex. The successful applicant will have demonstrated success in project management, analysis of next generation sequencing data, population genomic analyses, bioinfor-

matics, and a strong interest in mentorship. The ideal candidate will have demonstrated experience analyzing whole genome sequencing data, RNAseq, and ATAC-seq data. Candidates with either a MSc or PhD and appropriate experience are encouraged to apply.

The Mullen Lab embraces open and equitable access to opportunities for scientific learning and development, regardless of race, ethnicity, gender and gender expression, age, disability, nationality, sexual orientation, citizenship status, veteran status, religious/non-religious beliefs, socio-economic class, or any other differences that have been the basis for oppression, misunderstanding or bias.

Position Details: The initial appointment will be for one year, with the possibility of extending for an additional 2 years contingent on satisfactory performance. Staff benefits include health insurance (Blue Cross Blue Shield Massachusetts), flexible spending accounts (FSAs) for supplemental medical costs, and a 403(b) retirement plan. Starting salary is $67,500 USD with potential for merit-based raises each year.

The candidate will additionally receive professional mentoring from the PI, and can expect a professional development stipend of $2,500. The successful applicant will be based in the Biology Department at Boston University and will be expected to be present in person at least 75% of the time.

To Apply: Qualified candidates should submit a short cover letter, curriculum vitae, and contact information for three references to smullen@bu.edu and haich@bu.edu with "Research Support Specialist App" in the subject line. The closing date for applications is November 1, 2024.

Hannah E. Aichelman M.Sc Ph.D. she/her/hers

Postdoctoral Associate, Mullen & Davies Labs Boston University

https://hannahaichelman.weebly.com/ Hannah Aichelman <hannahaichelman@gmail.com>

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CentralMichiganU EvolutionaryBiology

The Department of Biology at Central Michigan University seeks applications for a tenure-track faculty position at the rank of Assistant Professor to begin Fall 2025.

The ad for the position and application are here: https://www.jobs.cmich.edu/postings/41652 We are particularly interested in candidates who can support our new undergraduate program in Biotechnology < https://www.cmich.edu/program/Biotechnology-Major-Molecular-Bio-Conc > by teaching lower- and upper-level courses and participate in one or more of our interdisciplinary graduate programs: Biochemistry, Cell & Molecular Biology (BCMB) or Earth and Ecosystem Sciences (EES), and/or the Biology master's program. We invite applications from candidates whose research and teaching strengths and experiences will also contribute to our undergraduate programs in Biomedical, Cellular, and Molecular Biology (BCM), and in Ecology, Evolution, and Conservation Biology (EEC). All areas of research expertise that can complement our existing faculty < https://www.cmich.edu/academics/colleges/college-science-engineering/departments-schools/biology/staff > and programs will be considered.

Required qualifications:

* Ph.D. in biology or a related field. * Demonstrated potential to establish and maintain a vigorous research program that involves undergraduate and graduate students with the capacity to attract extramural funding. * Demonstrated potential for outstanding teaching. * Effective communication skills. * Ability to foster an inclusive and equity-centered teaching, learning, mentoring, and research environment where all can thrive. (Competitive startup funds and modern laboratory space in the recently built CMU Biosciences building will be provided) * Ability to perform the essential functions of the job with or without reasonable accommodation.

Central Michigan University is dedicated to fostering a broadly diverse and inclusive campus that respects all social identities, experiences, and perspectives. In an effort to further this initiative, we are especially interested in candidates who will advance and promote an inclusive and supportive environment for every member of our university community.

The search committee members represent the breadth of teaching and research interests in the department and have participated in implicit bias training and/or additional DEIJB training. As articulated in the College of Science and Engineering strategic plan, we are committed to fostering a community of diverse, inclusive, equitable, and globally-engaged scholars, learners, and leaders. All qualified applicants are encouraged to apply, regardless of gender identity, race, ethnicity, sexual orientation, religious affiliation, disability, or veteran status.

You must submit an on-line application in order to be considered as an applicant for this position.

Applications must include: 1) a cover letter, 2) a current CV, 3) a 2-3 page statement of research accomplishments and future plans interests statement, 4) a 1-2 page teaching and mentoring philosophy, 5) a 1-2 page statement addressing your experience with, and plans for, engaging our diverse student body and contributing to CMU's commitment to enhancing diversity, equity, and inclusiveness (upload under 'Other Document (1)'), and 6) names and contact information for three references.

The CMU Department of Biology < https://-www.cmich.edu/academics/colleges/college-science-engineering/departments-schools/biology > is an interactive group of 28 tenure-track, 3 research, and 3 fixed-term faculty with diverse expertise. Researchers in the Department of Biology have access to a microscopy and imaging facility with confocal and electron microscopes, flow cytometry, and BSL2 facilities. The department also maintains a greenhouse, vivarium facilities, field sites, and a biological research station. Additional opportunities for collaboration exist across the university, including with faculty in the College of Medicine and in the Department of Chemistry and Biochemistry.

Questions? Feel free to email me or the other committee members (see job ad).

"It is in our nature to explore, to reach out to the unknown" - E. Shackleton

Andrew R. Mahon, Ph.D. Professor of Molecular Ecology and Assistant Chairperson Dept. of Biology, Central Michigan University

Mahon2a@cmich.edu Phone: 989-774-1177

Http://people.cst.cmich.edu/mahon2a

https://www.linkedin.com/in/andrew-r-mahon-4b7512231/

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To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

ClemsonU EcologyEvolutionOrganismalBio

The Department of Biological Sciences at Clemson University invites applications for 2 open rank positions in Ecology, Evolutionary, and or Organismal Biology. We anticipate that one position will be offered at the Full or Associate Professor level with tenure, and one at the level of tenure track Assistant Professor. The anticipated start date is August 2025.

Clemson University, the College of Science, and the Department of Biological Sciences are committed to building a community of inclusive excellence and creating a sense of belonging, where faculty scholars are dedicated to working and teaching in a welcoming environment that empowers students to be positive change agents.

For more information about the department and its programs, please visit: https://www.clemson.edu/-science/academics/departments/biosci/index.html For more information about Clemson, please visit: https:/-/www.clemson.edu/ We expect candidates for both positions to bring innovative, high impact research programs to Clemson while complementing the Departments research strengths We are open to any research area in EEOB that strengthens current research in the department, including those who integrate across systems or scales while applying laboratory, field, and or computational approaches. Two research priority areas for Clemson University, the College of Science, and the Department of Biological Sciences are Biodiversity and Sustainability and Human Health, and exceptional resources exist on campus to support this research. The Clemson Experimental Forest is a unique 17500 acre campus adjacent facility that can support large scale, long term experimentation and serves as a key ecological corridor for plant and animal communities of the Piedmont and Blue Ridge Mountain ecoregions of the Southeast U.S. In addition, Clemson is home to four NIH funded Centers of Excellence in Biomedical Research and Education COBRE, including one in Human Genetics and one in Eukaryotic Pathogens. We highly encourage applications from candidates who can leverage these resources to enrich their research programs, while

also promoting the use of their own systems, methods, and tools to explore innovative questions in EEOB.

The Department is one of the largest on campus with 1,700 plus undergraduates and nearly 200 graduate students across B.A., B.S., M.S. and Ph.D. degree programs in both Biological Sciences and Microbiology, as well as graduate degrees (M.S./Ph.D.) in Environmental Toxicology. In addition, the department offers an online, non-thesis M.S. in Biological Sciences for teachers and science educators interested in biological sciences. The successful candidates will inspire our student body by contributing to the department's teaching mission.

Qualifications Candidates under consideration at the Assistant Professor rank should have a Ph.D. or equivalent terminal degree with an advanced background in biological sciences or a related discipline. Candidates should present evidence of productive postdoctoral research experience as demonstrated by an excellent research and peer-reviewed publication record. Strong candidates will demonstrate extramural funding or significant potential for such, as well as effectiveness in teaching undergraduate and graduate students (M.S. and Ph.D.) appropriate for the Assistant Professor level. Candidates under consideration at the Associate or Full Professor rank will have a Ph.D. and tenure or equivalent at their current institution and an excellent record and trajectory of accomplishment leading a successful academic, federally funded research program. This includes graduating doctoral students, mentoring postdoctoral fellows, effective teaching at undergraduate and graduate levels, and fostering inclusive excellence.

Application Instructions For full consideration, apply by November 8, 2024. Review will continue until the positions are filled. Applicants should submit the following items through Interfolio: http://apply.interfolio.com/-156307 1. Cover letter that includes a description of research and teaching interests/experiences, what draws the applicant to this position and, for the senior position, why the applicant is interested in making a move at this point in their career 2. CV including at least three references for potential contact after initial review 3. Statement of research interests and future plans (up to three pages) 4. A summary of teaching experience and philosophy as aligned with the values upheld by Clemson University (http://www.clemson.edu/ceba/) (up to two pages) 5. Up to three reprints in one PDF

For inquiries about the position, please contact Jason Fridley, Chair of the search committee (fridley@clemson.edu).

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To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

CNRS France AssistantCEO CTO BioinformaticsBiostatistics

Dear all ,

we are looking for a Ph.D. in bioinformatics, biostatistics, or computational biology.

https://xegen.fr/wp-content/uploads/2024/09/Xegen-Assistant_CTO_in_Bioinformatics_Biostatistics_Job_Description.pdf all the best

Pierre

Pierre Pontarotti DR CNRS new email pierre.pontarotti @ cnrs.fr UR AMU MEPHI D-258, CNRS SNC5039 IHU Mï¿½diterranï¿½e Infection

19-21 Boulevard Jean Moulin 13005 Marseille

Bureau 408

tel 0413732425 / 0695177328 https://sites.google.com/-view/pontarotti/ The evolutionary biology meeting will be back in 2025 (aeeb.fr)

< https://twitter.com/pontarotti >

PONTAROTTI Pierre <pierre.pontarotti@univ-amu.fr>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

Frankfurt GenomicsBioinformatician

ERC-funded Bioinformatician Position

The Hiller Lab at the Senckenberg Research Institute in Frankfurt, Germany is looking for a Bioinformatician with a background in genomics to work on our BATPROTECT project.

BATPROTECT is a 6-year funded ERC synergy grant project that will use bats as natural models of healthy aging and disease tolerance to elucidate the molecular mechanisms behind bats' exceptional longevity and

resistance to viral and age-related diseases. BATPROTECT brings together a team of global leaders in bat biology and ageing (Emma Teeling, Dublin), bat immunology and virology (Linfa Wang, Singapore), evolution and genomics (Michael Hiller, Frankfurt), and ageing model organisms (Bjoern Schumacher, Cologne) that will jointly investigate aging and immune responses in bats from the wild and captive colonies, discover genes with evolutionary importance for longevity and disease resistance, and functionally validate longevity and immune regulators in stem and differentiated cells of bats and model organisms, with the ultimate goal to uncover new directions to improve human healthspan and disease outcome.

The Project The Bioinformatician will assemble reference-quality genomes of bat species, for which we are currently generating PacBio HiFi and HiC data. For a few focal species, we will also generate a T2T assembly. The Bioinformatician will also analyze transcriptomics data that we are sequencing in parallel for all target bat species, use this data and our homology-based methods (TOGA) to annotate the new genomes, generate whole genome alignments of bats and other mammals, and support the BATPROTECT project. The Bioinformatician will work closely with other Bioinformaticians in our group, other members of the BATPROTECT team, and the Hiller lab. We offer exchanges with the other BATPROTECT labs and yearly retreats with all project members.

Your Profile - A Master-level degree in bioinformatics / computational biology, genomics or a related area. A PhD degree is an advantage, but not required. - Experience in genome assembly, and ideally curating assemblies based on HiC maps. - Excellent programming skills in a Linux environment as well as experience with shell scripting and Unix tools.

Our Lab The mission of our lab is to understand how nature's fascinating phenotypic diversity has evolved and how it is encoded in the genome. Work in the lab includes sequencing and assembly of reference-quality genomes, genome alignment and gene annotation, development and application of comparative genomic methods to discover differences in genes and gene expression, and the use of statistical approaches to link phenotypic to genomic changes. Our lab is part of TBG (https://tbg.senckenberg.de/) and the Senckenberg Research Society (https://www.senckenberg.de/en/), and is based near the city center of Frankfurt am Main, Germany. TBG provides access to cutting-edge computational (large HPC clusters, genome browser) and lab infrastructure to sequence and analyze genomes. English is the working language in our lab.

We offer - Funding is available for 6 years - Flexible working hours - opportunities for mobile working - annual special payment - company pension scheme - Senckenberg badge for free entry in museums in Frankfurt. - leave of 30 days/year - Frankfurt is a vibrant and highly international city at the heart of Europe that combines a skyscraper skyline with ample parks and green areas. The Economist 2022 index ranked Frankfurt among the top 10 most livable cities worldwide.

How to apply Please send us your application documents, as a single pdf, containing - a CV with publication list and contact information for at least two references - a summary of previous research experience (max 1 page) - and copies of certificates, transcripts and grades in electronic form by November 22, 2024 to recruiting@senckenberg.de quoting the reference number #12-24001-1, or apply through https://-www.senckenberg.de/en/career/apply-online/ For more information about the lab and the project, please contact Michael Hiller (michael.hiller@senckenberg.de) or visit the lab webpage https://tbg.senckenberg.de/hillerlab/ . Michael Hiller, PhD Professor of Comparative Genomics LOEWE Centre for Translational Biodiversity Genomics, Senckenberg Society for Nature Research & Goethe University, Frankfurt am Main, Germany

Michael Hiller <michael.hiller@senckenberg.de>

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FU Berlin PrimateEvolution

*6 year 100% postdoc position with option for habilitation at the **Freie Universitï¿½t Berlin, Germany, *

*Starting date between February 1st and March 31st 2025 *

*Nowick-Lab: *

Our research group "Human Biology and Primate Evolution" focuses on questions related to the molecular evolution of humans using modern experimental and bioinformatics methods. Our primary focus is on differences in gene regulation, the evolution of transcription factors, and non-coding RNAs, as well as their potential influence on the evolution of the human brain, its development, and its functions. For experimental work, we use stem cells from various primates, along with cellular and molecular biology techniques, as well as omics and

high-throughput sequencing.

http://www.nowick-lab.info *Job Description: *

We are looking for a person with expertise in working with primate stem cells, preferably with knowledge on differentiating them to neuronal cells and brain organoids. You will participate in research in the field of molecular primate evolution, perform independent teaching in the area of human biology and primate evolution; contribution to teaching, research, and scientific management at the Institute of Biology, particularly in human biology; participation in improving the quality of teaching programs at FU Berlin; involvement in supervising PhD students, students, fellows, interns, and visiting researchers.

The position is intended to contribute to the candidate's scientific qualification (habilitation).

*Requirements: *

A completed academic degree and a doctorate in biology, biochemistry, or a related field.

Preferred:

Extensive experience with cellular and molecular biology methods, particularly in relation to gene regulation and evolution;

Proficient in handling stem cells, preferably induced pluripotent stem cells from primates, and their differentiation into neural cells and organoids;

Basic knowledge of human biology and a strong interest in human molecular evolution;

International peer-reviewed publications;

Teaching experience, preferably in human biology and human evolution;

Strong teamwork skills;

At least very good English and good German.

*If you are interested in this position, please send an email to katja.nowick@fu-berlin.de *

*Katja *

Dr. Katja Nowick Professorin fï¿½r Humanbiologie

Freie Universitï¿½t Berlin Institut fï¿½r Zoologie Kï¿½nigin-Luise-Straï¿½e 1-3 14195 Berlin

Phone: +49 30 83863761

Katja Nowick <katja.nowick@fu-berlin.de>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

IGB Berlin Two EvolutionaryEcol

In both positions we would welcome candidates with evolutionary thinking!

We have two group leader positions at IGB Berlin:

1) Tenure track group leader position (f/m/x) in Fish Movement Ecology https://karriere-igb.softgarden.io/job/49631758/Tenure-track-group-leader-position-f-m-x-in-Fish-Movement-Ecology?jobDbPVId=158218998&l 2) Tenure track group leader position (f/m/x) in Fish Ecophysiology https://karriere-igb.softgarden.io/job/49631378/-Tenure-track-group-leader-position-f-m-x-in-Fish-Ecophysiology?jobDbPVId=158206498&l On behalf of Prof. Jens Krause IGB Berlin

Matthias Stï¿½ck <matthias.stoeck@igb-berlin.de>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

IZW Berlin EvolutionWildlifeAdaptation

The Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW) in the Forschungsverbund Berlin e.V., a part of the Leibniz Association, aims to understand and, where possible, improve the adaptive capacity of wild animals to cope with global change. To this end, it focuses on the diversity of lifestyles, diseases and mechanisms of evolutionary adaptation of mammals and birds, on the limits of these mechanisms in natural and anthropogenically influenced environments, and on conservation strategies that take these into account. The Institute fulfils this mission through long-term, application-oriented, interdisciplinary basic research in evolutionary ecology, ecological dynamics, evolutionary genetics, wildlife diseases, reproduction biology and reproduction management.

For our Department of Ecological Dynamics we are seeking to appoint a

Postdoc in Movement Ecology full time (100 %).

The data on moving individuals is collected at increasingly high temporal and spatial resolutions. Such technical advances allow tracking several moving individuals simultaneously, which allows the assessment of fine-scale differences in movement behaviour with respect to environmental challenges. We seek a highly motivated scientist for the development of the ATLAS telemetry research hub on movement ecology, jointly with the University of Potsdam (UP) and the Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB), and for the analysis of movement data with modern artificial intelligence (AI) tools. The postdoc is responsible for conducting the field work on birds (e.g., nest box control, animal tagging), for supporting the ATLAS telemetry hub, for developing and implementing AI tools for the analysis of movement data and for manuscript writing. Gathering experience in supervising MSc/ BSc students and interns is possible.

Requirements:

* Doctorate/PhD in ecology, biostatistics, computer science or related areas, or equivalent experience proven by track record.

* Experience in field work, especially with ringing and tagging birds (ringing license and car license mandatory).

* Good knowledge of English (able to work in English, both written and spoken).

* Experience with the analysis of movement data and machine learning algorithms; knowledge of agent-based modelling is an asset.

* Excellent programming skills, ideally in R and/or Python; experience with tools for reproducibility, code sharing and version control.

* High motivation, flexibility and ability to work both independently and as part of a team with a diverse team of scientists; support of the field research hub and will-ingness to stay at the field station / work outside of Berlin during the peak of the field season; organisational skills in data management.

* Good interpersonal and communication skills.

* Knowledge in modelling of infectious disease transmission in wildlife systems is highly desirable.

This is what we offer:

* An interesting and responsible position with room for manoeuvre in an international and dynamic scientific working environment in a beautiful location right next to the Tierpark Berlin-Friedrichsfelde.

* A comprehensive induction programme and a well-functioning team that will be happy to support you.

* Working on an equal footing between all those involved and respectful co-operation within the team.

* A full-time employment relationship of 39 hours per week in flexitime with part-time option.

* A salary in accordance with the public collective bargaining law TVï¿½D (Bund) with an annual bonus payment, at level E13.

* Company pension scheme (VBL) and subsidised capital-forming benefits (VWL).

* Flexible working hours and possibility of mobile working to allow scope for work-life balance.

* 30 days holiday per calendar year.

* Excellent connectivity with public transport, to underground stations Friedrichsfelde or Tierpark (U5) or Friedrichsfelde-Ost (S5, S7, S75), as well as three tram lines and several bus routes.

* Employer subsidy for the annual public transport ï¿½job ticket'.

* Free admission to the Tierpark (current agreement between Leibniz-IZW and Tierpark Berlin) from Monday to Friday.

The position will be filled by 1st January, 2025 and is limited to 3 years.

The work will be supervised by Prof. Dr. Kramer-Schadt, Dr. Viktoriia Radchuk and Dr. Landgraf.

We welcome applications regardless of gender, origin, sexual orientation and religion. Disabled persons will be given preferential consideration in case of equal suitability. We promote diversity, so please convince us with your quality and competence. The Leibniz Institute for Zoo and Wildlife Research is "Total-E-Quality" certified, promotes equality and actively supports a work-life balance.

Enquiries or questions should be directed to Prof. Dr. Stephanie Kramer-Schadt (kramer@izw-berlin.de,).

How to apply:

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IZW Berlin
EvolutionWildlifeDisease

The Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW) in the Forschungsverbund Berlin e. V., a part of the Leibniz Association, aims to understand and, where possible, ï¿½improve' the adaptive capacity of wild animals to cope with global change. To this end, it focuses on the diversity of lifestyles, diseases and mechanisms of evolutionary adaptation of mammals and birds, on the limits of these mechanisms in natural and anthropogenically influenced environments, and on conservation strategies that take these into account. The Institute fulfils this mission through long-term, application-oriented, interdisciplinary basic research in evolutionary ecology, ecological dynamics, evolutionary genetics, wildlife diseases, reproduction biology and reproduction management.

For our Department of Wildlife Diseases we are seeking to appoint a

Scientist full time in the field of wildlife disease proteomics (parental leave replacement).

We have a temporary parental leave staff replacement opportunity for an estimated period of one year. The successful candidate will be in charge of all aspects of proteome analyses in the field of wildlife disease research by using MALDI TOF and UHPLC-HR mass spectrometry (MS). You will co-lead the proteomics/metabolomics laboratory together with a specialist on metabolomics.

Responsibilities include:

Key activities are proteome analyses by mass spectrometry, particularly MALDI TOF MS for the differentiation of bacteria, and shotgun and targeted serum and plasma proteomics for comparative immunological analyses (UHPLC-HRMS), including:

* mass spectrometric measurements, documentation and interpretation of results;

* creation of own reliable database entries;

* preparation, development and care of the internal databases;

* leading and co-coordinating the proteomics/metabolomics laboratory, including guiding and supervising technical staff and students;

* to work independently and in collaboration with other scientists and departments.

Requirements:

* PhD in biochemistry, biology, microbiology, veterinary medicine or similar subject;

* microbiological and/or immunological background and hands-on experience with mass spectrometry-based proteome analyses and/or MALDI TOF MS;

* experience in processing and analysis of mass spectrometry data;

* willingness to learn and develop skills for own improvement;

* strong organizational and team working abilities;

* excellent command of English (written + spoken) and profound skills in scientific writing;

* interest and ability to work in an international team and with a diverse community of scientists and stakeholders;

* high motivation to address scientific questions, particularly to develop and implement novel approaches and applications for proteome analyses in wildlife.

This is what we offer:

* An interesting and responsible position with room for manoeuvre in an international and dynamic scientific working environment in a beautiful location right next to the Tierpark Berlin-Friedrichsfelde.

* A comprehensive induction programme and a well-functioning team that will be happy to support you.

* Working on an equal footing between all those involved and respectful co-operation within the team.

* A full-time employment relationship of 39 hours per week in flexitime with part-time option.

* A salary in accordance with the public collective bargaining law TVï¿½D (Bund) with an annual bonus payment, at level E13.

* Company pension scheme (VBL) and subsidised capital-forming benefits (VWL).

* Flexible working hours and possibility of mobile working to allow scope for work-life balance.

* 30 days holiday per calendar year.

* Excellent connectivity with public transport, to underground stations Friedrichsfelde or Tierpark (U5) or Friedrichsfelde-Ost (S5, S7, S75), as well as three tram lines and several bus routes.

* Employer subsidy for the annual public transport ï¿½job ticket'.

* Free admission to the Tierpark (current agreement between Leibniz-IZW and Tierpark Berlin) from Monday to Friday.

The position is temporary for an estimated period of one year and is to be filled as soon as possible, but no later than February 1, 2025.

We welcome applications regardless of gender, origin, sexual orientation and religion. Disabled persons will be given preferential consideration in case of equal suitability. We promote diversity, so please convince us with your quality and competence. The Leibniz Institute for Zoo and Wildlife Research is "Total-E-Quality" certified, promotes equality and actively supports a work-life balance.

Enquiries or questions should be directed to Dr. Kristin Muehldorfer (muehldorfer@izw-berlin.de) or Dr. Gabor Czirjak (czirjak@izw-berlin.de).

How to apply:

Go to Vacancies/Jobs on our homepage (www.leibniz-izw.de) and click on this advertisement and then on "Apply Online". Please send us your

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LeibnizInst Hamburg FishCurator

LIBHamburg.FishCurator

The Leibniz Institute for the Analysis of Biodiversity Change (LIB) is one of the large, globally connected research museums of the Leibniz Association. In addition to excellent research on biodiversity and its change, we are advancing the development of our extensive scientific collections with an international team and state-of-the-art technology. With our exhibition, knowledge transfer and communication work at our exhibition venues Museum Koenig Bonn and Museum der Natur Hamburg, we want to spread enthusiasm for nature and contribute with our research topics to current socio-political discussions on species loss, climate change and the protection of ecosystems. The construction of an integrated natural history museum is being planned for the Hamburg location; the research infrastructure at the Bonn location is currently being significantly expanded.

The LIB is looking for a scientist for a position as

Curator Ichthyology (m/f/d)

at the location Hamburg starting as soon as possible, representing research at an internationally competitive level. The successful candidate will bridge the gap between the fish collection and ichthyological research on drivers of biodiversity change in space and time. The candidate's scientific expertise should include collection-based ichthyological research and must cover at least one of the following fields: -) fish morphology, -) population and/or community ecology of fishes, -) evolutionary ecology and/or integrative systematics of fishes.

Essential criteria -) a PhD in zoology or related areas, preferred with focus on ichthyology, -) expertise in fish taxonomy with a track record of research on fish species diversity in extant fishes -) hands-on working experience with natural history collections, especially fishes -) strong publication record -) track record of, or potential for raising third-party funding -) track record of, or potential for developing a research group -) track record of team work and collaboration -) demonstrate a vision for future research and third-party funding -) demonstrate a vision of further developing the fish collection, including all forms of digitization

The successful candidate: -) Will lead the LIB Hamburg Ichthyology section. -) Will function within the Centre for Taxonomy and Morphology in Hamburg, and will play a strong role in advancing the LIB's reputation as a preeminent institution for the study of biodiversity change on a global scale. -) Will be tasked with assuming full curatorial responsibility for the ichthyological collection housed by LIB Hamburg. -) Will be responsible for a wide range of duties such as collection management, provision of scientific services, expansion and digitization of the collection, and contributions to outreach activities. -) Will promote and lead LIB-internal teamwork and external collaborations.

The Leibniz Association is committed to diversity and gender equity. The LIB is certified as a family- friendly institution. We aim to increase the proportion of women in areas where women are under- represented and to promote their careers in particular. We therefore strongly encourage women with relevant qualifications to apply.

This is a tenure-track position, initially limited for three years according to the WissZeitVG. Starting remuneration will be in pay group EG 13 according to the TV-L. After a successful tenure evaluation, the candidate will be classified in EG 14 TV-L. Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome. When recruiting, they have priority over applicants who are

not legally privileged and who have essentially the same suitability, qualifications and professional performance. The contract will start as soon as possible.

Applications in English, accompanied by the following supporting documents: CV, motivation letter addressing all but the vision criteria specified above (2 pages max), a letter describing research and funding vision (1 page), a letter outlining vision for collection development (1 page), certificates, lists of publications and funding). Applications including all documents should be submitted no later than November 30th 2024 to Frau Susanne Jenschke www.leibniz-lib.de/karriere. For further information about LIB and Museum der Natur Hamburg please see: https://www.leibniz-lib.de . Stiftung Leibniz-Institut zur Analyse des Biodiversitätswandels Postanschrift: Adenauerallee 127, 53113 Bonn, Germany

Stiftung des öffentlichen Rechts; Generaldirektion: Prof. Dr. Bernhard Misof (Generaldirektor), Adrian Grüter (Kaufm. Geschäftsführer) Sitz der Stiftung: Adenauerallee 160 in Bonn Vorsitzender des Stiftungsrates: Dr. Michael Wappelhorst

Herder Fabian <F.Herder@leibniz-lib.de>

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MarquetteU Wisconsin Tech Herpetology

Herpetologist Wanted!!!

Come join our team in Milwaukee! The Gamble Lab at Marquette University is hiring a Research/Animal Care Technician. Duties include lizard & snake husbandry; sample collection & curation; & data management - email w/questions: tgamble@geckoevolution.org

Information about the Gamble at Marquette University can be found here: https://www.geckoevolution.org/ Get details about the position and apply here: https://-employment.marquette.edu/postings/21925 Tony Gamble, Ph.D. Associate Professor Department of Biological Sciences Marquette University Milwaukee WI 53201 E-mail: tgamble@geckoevolution.org Web: http://-geckoevolution.org/ Bluesky: @tonygamble.bsky.social he/him/his

"tgamble@geckoevolution.org" <tgamble@geckoevolution.org>

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MaxPlanckInstBioIntelligence Germany FieldAssist NorthernLapwing

The Max Planck Institute for Biological Intelligence (MPI-BI) is located in the southwest of Munich, with its two locations in Martinsried and Seewiesen. It is one of more than 80 independent research institutes of the Max Planck Society. With around 500 employees from more than 50 nations, we investigate the fundamentals of "biological intelligence". We aim to understand how, in the course of evolution, animals developed abilities to cope with a constantly changing environment and to find ever new solutions to problems.

As support for an ongoing study on the reproductive biology of a population of northern lapwings (Vanellus vanellus) at a site in Northern Germany, the Department of Ornithology led by Prof. Dr. Bart Kempenaers is looking for a full-time

Field assistant (m/f/div)

Work will include:

Catching adult birds on or near nests and at foraging sites using traps or mist nets

Measuring and banding of adult birds and chicks

Behavioural observations and resightings of individual birds and pairs

Nest searching and monitoring

Setting up and maintenance of scientific equipment

Data collection, entry, and management

What we are looking for:

Extensive and demonstrable experience in the activities outlined above

High degree of reliability and organizational talent as well as the ability to work in an international team, strong communication skills, initiative and independence

Flexibility, motivation, and commitment to working in all types of weather conditions at any time (including some night work, weekends, and holidays)

Excellent written and spoken English language skills (knowledge of German is not required, but is a plus)

Possession of a full clean driver's licence, along with experience driving vehicles with manual transmission

Eligibility to remain in Germany for the duration of the work contract

The position is limited to a period of 4.5 months, from 17th February to 30th June 2025.

The Max Planck Society strives for gender equality and diversity. Furthermore, the Max Planck Society wants to increase the proportion of women in areas in which they are underrepresented. Women are therefore expressly encouraged to apply. The Max Planck Society has set itself the goal of employing more disabled people who are thus explicitly encouraged to apply.

If you have any questions, please contact Carol Gilsenan at sekretariat.kempenaers@bi.mpg.de

Have we aroused your interest? Please apply by November 29th, 2024 with your complete application documents in English in one PDF document via our online application portal reached through https://www.mpg.de/-23666097/field-assistant-m-f-div For more information, visit our homepages at ornithology.bi.mpg.de and www.bi.mpg.de "MPI-BI Seewiesen, Sekretariat Kempenaers" <sekretariat.kempenaers@bi.mpg.de>

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MichiganStateU ChairDeptPlantSciences

POSITION DESCRIPTION Chairperson, Department of Plant, Soil and Microbial Sciences

College of Agriculture and Natural Resources Michigan State University

Position Michigan State University's College of Agriculture and Natural Resources invites applications and nominations for Chairperson of the Department of Plant, Soil and Microbial Sciences (PSM). PSM is an interdisciplinary department including Agronomy/Crop Science, Microbial Science, Plant Breeding and Genetics, Plant Pathology, Soil Science, Turfgrass Science and Management, and Weed Science.

The Department provides a stimulating intellectual environment for engaged scholarship in promoting resilient agricultural systems. The successful candidate must demonstrate the ability to embody and convey the land-grant mission of teaching, research, extension, and outreach to multiple audiences; provide effective leadership and management of multidisciplinary programs; be a strong advocate for the Department; and provide leadership for the continuing development of outstanding regional, national, and international programs. The full time, 12-month appointment position is available beginning July 1, 2025.

Specific Responsibilities The Chairperson provides facilitative leadership of the Department in teaching, research, extension, and outreach programs and is expected to maintain and enhance a creative and productive environment for faculty, staff, and students. The Chairperson serves as the principal representative of the Department with authority and responsibility for administrative decisions. The Chairperson reports directly to the Dean of the College of Agriculture and Natural Resources and interacts with senior leadership of the College, MSU Extension, and MSU AgBioResearch on a regular basis.

This is an administrative leadership position. Key responsibilities of the Chairperson include: - Provide visionary leadership for creating, advancing, and articulating the mission of the Department and the land-grant mission, promoting national and international prominence. - Encourage balanced and integrated teaching, research, extension, and outreach programs that impact Michigan, the U.S. and international constituents. - Work with ˜70 faculty members to identify existing and emerging opportunities and develop strategic short- and long-range plans for departmental enhancement. - Recruit outstanding faculty and staff, assign responsibilities, evaluate performance, and promote faculty, student, and staff development. - Support faculty and student achievement; foster a culture of inclusion, collaboration, creativity and mentorship; and create a departmental community wherein diverse faculty, staff, and students thrive. - Serve as a member of the Institute of Agricultural Technology Directorate. - Manage and administer Department budgets and provide oversight in the procurement of financial and other resources; assure fiscally responsible implementation. - Adhere to all MSU policies in research, education, extension, outreach, financial, and personnel administration. - Work cooperatively within the Departmental governance structure, including Associate Chairs, a Department Teaching Coordinator, Graduate Programs Directors for Crop and Soil Sciences and Plant Pathology, an Extension Project Leader, and an elected Department Advisory Committee. - Serve as liaison and advocate for the Department within the larger governance structure of the College and University. - Communicate and foster relationships with clientele, including Departmental alumni, governmental leaders, MSU administrators, other campus units,

private sector stakeholders, and professional and disciplinary groups. - Represent the Department to state and federal agencies, private organizations, partners and collaborators, and key industry groups. - Advance funds development at the Department, College, and University levels.

Qualifications The Department is seeking an individual with an outstanding record of achievement including leadership, team building, distinguished scholarship, and dedication to the land grant mission. The applicant should have an appreciation for the range of disciplines related to plant, soil, and microbial sciences and the diverse functions of teaching, research, extension, and outreach, and must exhibit preparedness for administration of a large, diverse department. The successful candidate must possess outstanding leadership, communication, and interpersonal skills, along with the ability to promote the Department and increase its national and international prominence. Qualified candidates must have a doctorate in a related discipline and meet the requirements for

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MississippiUWomen OrganismalBiology

Job Description Summary Applicants are invited to apply for a tenure-track position in Biology at the Assistant Professor level beginning August 2025. In addition to campus resources, the successful applicant will have access to the Plymouth Bluff Environmental Center, a 190-acre educational and recreational center situated above the old Tombigbee River channel and located a 15-minute drive from campus. The Noxubee Wildlife Refuge and the Tombigbee, Buttahatchie, and Luxapalia rivers are nearby and available for class or research activities. Interactions and collaborations are also possible with Mississippi State University, a 25-minute drive from campus. The state of Mississippi is a member of NIH MS INBRE, National Science Foundation's Established Program to Stimulate Competitive Research (EPSCoR), and the Mississippi Space Grant Consortium, funded by the NASA Office of STEM Engagement.

Essential Duties The successful candidate will teach Comparative Anatomy courses in the BS Biology Major, introductory courses for Biology Majors and non-science majors, and courses in their biological area of expertise. Service to the department, university, and community is expected along with a commitment to the scholarship of teaching and learning at a diverse, primarily undergraduate institution. Applications should also have a viable research plan that incorporates undergraduate involvement. If the candidate's research area relates to biomedical or public health fields, start-up funding (up to $100K) will be considered through the National Institute of Health's IDeA Network of Biomedical Research Excellence (INBRE) program.

Minimum Qualifications Applicants must have a doctorate in Organismal Biologyor related field. Any area of organismal biology will be considered. Applicants near the completion of their doctoral degree will be considered, but completion of their degree within a year (August 2026) will be required for their continued employment.

Background Check Statement Prior to hiring, the final candidate(s) must successfully pass a pre-employment background investigation. A prior conviction reported as a result of the background investigation DOES NOT automatically disqualify a candidate from consideration for this position. However, failure to disclose may disqualify a candidate.

Consideration of complete applications will begin November 30, 2024, and continue until a successful candidate is hired. For more information about the position, contact Dr. Travis Hagey (662) 329-4987 or email thagey@muw.edu.

Applicants will submit: A cover letter CV Names and contact information of three references Unofficial transcript Statement of teaching philosophy (up to 2 pages) Plan for undergraduate-centered research in Organismal Biology (up to 2 pages) Statement of your past experiences and future plans providing students a sense of belonging and community and assuring access to academic resources and opportunities for all students (up to 2 pages).

Travis J Hagey <thagey@muw.edu>

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MountainLakeBioStation EvolutionaryAssocDir

The University of Virginia's Mountain Lake Biological Station (MLBS) invites applications for an Associate Director. MLBS (MLBS.org) is a residential field station located on 600 acres in the Appalachian Mountains of southwestern Virginia, approximately 3 hours from the University grounds in Charlottesville. The Station hosts a wide variety of research, teaching, and educational programs. The Associate Director will hold a General Faculty position in the Department of Biology.

The Associate Director provides executive administrative support for the teaching and research missions of MLBS, including directing our long running NSF-REU program, supervising staff and day-to-day station operations, technical support of equipment and facilities, coordinating visiting workshops and groups, and liaising with local stakeholders and university compliance offices. The Associate Director takes a lead role in identifying funding opportunities and preparing grant applications to support station infrastructure and programs. The successful candidate will maintain an active independent research program that involves undergraduates in any area of field biology. The position will be in residence at MLBS throughout the summer high season and during occasional events in the spring and autumn. The position will begin January 25, 2025.

Qualifications

Applicants must have a Ph.D., or equivalent degree, in biology or a relevant field. A successful applicant will also have demonstrable experience with field station operation and research, as well as excellence in student mentoring. A successful field station administrator will enthusiastically participate in a diverse, collegial, and immersive intellectual community with a commitment to developing a safe and inclusive field station environment. We seek to recruit faculty from diverse backgrounds who value diversity and are passionate about bettering society and the world.

Application Instructions

To apply for this position please click on(https://-apply.interfolio.com/156510)and attach the following required documents to your application.

1.Cover letter of interest that includes a summary of your organizational and field station experience and describes your vision for field station leadership moving forward.Please address how your approach will advance the University's ambition to cultivate the most vibrant community in higher education in order to prepare students to be leaders in a diverse and globally connected world.Also include in your cover letter contact information for two letters of recommendation.

2.CV

3.Research mentoring statement that describes your plan for activities at MLBS (2 pages, single spaced, maximum)

Applications that do not have all the required components will not receive full consideration.*

Review of applications will begin on November 15, 2024 and will remain open until the position is filled. The university will also perform background checks on all new hires prior to employment. This position will also require an Education Verification (FSAKA).

For questions about the positions, please contact Butch Brodie, Search Chair, atedb9j@virginia.edu.

Equal Employment Opportunity Statement

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physicians Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex,pregnancy, sexual orientation, veteran or military status, and family medical or genetic information.

The University of Virginia offers confidential Dual Career Services to partners of incoming faculty candidates. To learn more, please visit dualcareer.virginia.edu

"Brodie, Butch (edb9j)" <edb9j@virginia.edu>

Munich HalfTime Bioinformatics

JOB: BIOINFORMATICS ASSISTANT IN EVOLUTIONARY BIOLOGY HALF TIME - POSITION - E 13 TV-L

The Division of Evolutionary Biology at the Ludwig Maximilian University in Munich, Germany [https://-www.evol.bio.lmu.de/index.html], is seeking a bioinformatics assistant (m/f/d) to begin as soon as the position is filled.

PROJECT DESCRIPTION: We use genomic and transcriptomic data to study trait evolution, demographic histories, adaptation events and species delimitation modeling. Our focal research organisms are fireflies [https://www.evol.bio.lmu.de/research/catalan/-index.html], bioluminescent beetles from Europe and the Neotropics. Some of the questions we seek to answer include: (1) What is the genomic basis of sexually dimorphic traits, (2) What is the genetic architecture of key innovation trait loss, (3) Which loci are evolving under natural selection and (4) What is the demographic history of European firefly species. The applicant will support and contribute to data processing and analysis.

YOUR TASKS WILL INCLUDE: - Genome assembly, curation, scaffolding (Nanopore, HiC, synteny analysis) - RNA-seq analysis (differential gene expression analysis) - Whole genome population genomics (SNP calling, population genetic statistics)

YOUR SKILLS AND BACKGROUND SHOULD INCLUDE: - Experience with bioinformatic tools. - Knowledge in bash, python and R. - Good communications skills in English. - Masters / PhD in bioinformatics or evolutionary biology.

WHAT WE OFFER: - Being part of a dynamic group of students and researchers working on evolutionary genomics. - Opportunity to develop own research ideas. - Flexible working hours 20 h/Week (50% of TVL-E13, salary is adjusted according to experience and last degree obtained).

Our research group is located at the Biocenter of the LMU Munich, one of Germany's and Europe's top Universities (#32 world-wide; #8 in Europe; #1 in Germany). LMU Munich is an equal opportunity employer. The University continues to be very successful in increasing the number of female researchers and strongly encourages applications from female candidates. LMU Munich intends to enhance the diversity of its research members. Furthermore, disabled candidates with essentially equal qualifications will be given preference.

Any questions should be directed to Ana CatalaÃ(catalan@bio.lmu.de). Applications, including a motivation letter (max one page), current CV and contact information of two referees, should be sent to Ana CatalaÃby the deadline of 15 November 2024.

Ana Catalán, PhD Principal Investigator Division of Evolutionary Biology Faculty of Biology Ludwig-Maximilians-Universität München Großhaderner Straße 2 82152 Planegg-Martinsried Germany Phone: +49 (0)89 / 2180-74142

"Catalán, Ana" <catalan@biologie.uni-muenchen.de>

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NewYorkU EcoEvoGeneticsGenomics

New York University's Department of Biology invites applicants for two tenure-track faculty positions in ecological and evolutionary genetics and genomics, working on both patterns and processes across scales. This position is at the rank of assistant professor and is part of a broader life sciences initiative in which successful candidates can benefit from interactions with faculty in the Environmental Studies department.

Apply here: https://apply.interfolio.com/155792 Candidates are expected to develop an externally funded research program and to participate in the teaching mission of the Department.

The Department of Biology offers a collaborative, interactive, interdisciplinary, and innovative research environment that supports ambitious research projects across the range of biology. Our core facility provides excellent and subsidized access to microscopy, high-throughput robotics, sequencing, and high-performance computing. The Department has an active mentoring program for junior faculty and is committed to the success of all faculty.

Pay Transparency Statement In compliance with NYC's Pay Transparency Act, the annual base salary range for this position is $89,000 - $129,000. New York University considers factors such as (but not limited to) the scope and responsibilities of the position, the candidate's work

experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber, who embody the diversity of the United States as well as the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis. NYU is an equal opportunity/affirmative action employer and affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the Arts & Science commitment to diversity, equity, and inclusion, visit https://as.nyu.edu/departments/facultydiversity.html . Qualifications This search is for tenure-track Assistant Professors, ideally beginning in January 2026, pending administrative and budgetary approval. Candidates should possess a PhD, have developed a research program that indicates the potential to be a leader in their field of biological sciences, show promise in complementing their methods with an interdisciplinary approach, and have demonstrated excellence in teaching.

Application Instructions Applicants must provide with the following materials: - Short cover letter addressed to Christine Rushlow, Chair, Department of Biology, NYU - Curriculum Vitae - Teaching statement - 2 pages that describe your past teaching experience and your teaching style and philosophy - Diversity statement - 1 page that describes your past and/or potential future contributions to fostering inclusion and diversity - Names of three (3) referees who will be contacted for reference letters via Interfolio.

Applications will be accepted until November 15, 2024.

“mr176@nyu.edu” <mr176@nyu.edu>

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NHM LosAngelesCounty TeachingEvolution

The Natural History Museum of Los Angeles County (NHMLAC) seeks a Curator (Associate or Full) to lead the growth and development of an innovative Community Science program both locally and worldwide. Here, we use the term “community science” as a more welcoming and inclusive synonym of “citizen science.”

NHMLAC’s Community Science programs include the internationally recognized City Nature Challenge, as well as regional projects such as BioSCAN, SLIME, RASCals, and Backyard Bats, among others. Opportunities to collaborate with NHMLAC scientists whose research programs currently engage the public include, but are not limited to, the Ornithology, Mammalogy, Entomology, Mineralogy, Malacology, and Herpetology departments as well as the cross-departmental Urban Nature Research Center. This is a rare opportunity for a unique position at a globally recognized natural history museum.

The successful applicant will be expected to (1) expand upon a groundbreaking research program that focuses on the gathering and dissemination of community-generated scientific data that will prioritize community science projects developed in collaboration with existing curatorial research departments, (2) actively pursue external funding in support of Community Science research projects, (3) contribute to NHMLAC’s local community engagement through the co-creation of programs and research projects, and (4) oversee the management and continued development of NHMLAC’s Community Science program including staff. Additionally, the Curator is expected to develop and foster working relationships with local universities and community partners; mentor interns, students, and postdoctoral fellows; and strengthen the NHMLAC’s presence in key professional and governmental networks. The Curator will be expected to participate actively in a broad range of museum activities, including exhibits; education; educator and volunteer training; public communications; media interactions; and fundraising activities. They must have the vision and capability to build a research program that can be integrated with NHMLAC’s ongoing efforts to understand local biodiversity and shape the collections and research in ways that activate their scientific and public appeal. The position requires a PhD in a related biological field. Experience with the operation of natural history museum collections and an interest in collaborating with NHMLAC’s curators in non-neontological disciplines (e.g., geology, paleontology, anthropology) are highly desirable.

This is a full-time position with a salary and title (Associate or Full Curator) commensurate with experience. NHMLAC is especially interested in candidates whose background and experience have prepared them to contribute to our commitment to engage with and include culturally diverse audiences in the Museum and in the

sciences. The NHMLAC values and endeavors to support diversity, equity, inclusion, and access within its organization and communities. Candidates who identify as Black, Indigenous, and People of Color (BIPOC), neurodivergent, a woman, a person with a disability, a veteran, and/or part of the LGBTQAI+ community are welcome and encouraged to apply.

The application deadline is December 15th, 2024. The proposed starting date is July 1st, 2025, but flexibility is possible. Applicants should send the following information as a single PDF to Ciel Ramón-Cañas at cramoncanas@nhm.org (include "Community Science Curator Search" in the subject line): 1) cover letter, 2) 1-3 page vision statement of proposed research, 3) 1-3 page statement of interest and experience in public engagement/outreach, 4) 1-3 page statement of commitment to increasing diversity, equity, and inclusion in the natural sciences, including community science, 5) a curriculum vitae, and 6) the full contact information of at least three references.

The Natural History Museum of Los Angeles County is an Equal Opportunity Employer. Please, no phone calls.

CielRamón-Cañas(they/them) Administrative Assistant, Research & Collections (213) 763-3561 cramoncanas@nhm.org

Ciel Ramon-Canas <cramoncanas@nhm.org>

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NorthernMichiganU AquaticBiologist

: Tenure-Track Faculty Position Assistant Professor - Aquatic Biologist Northern Michigan University

POSITION: The Biology Department at Northern Michigan University invites applications for a tenure-earning faculty position in aquatic biology at the Assistant Professor level beginning August 2025. We seek a colleague who will teach and conduct research on aquatic invertebrates. Northern Michigan University, with 7,200 students and 177 degree programs, is located along the shore of Lake Superior in the vibrant, historic city of Marquette, consistently named a top spot in the nation to raise a family, vacation, and enjoy an excellent quality of life. The Biology Department has approximately 700 undergraduate majors and 30 M.S. students and is committed to excellence in classroom teaching while providing authentic research experiences for students. Our vibrant and growing department has excellent resources for teaching and research, including an Aquatics Lab, field vehicles and equipment, the Northern Museum of Zoology, microscopy center, and a biology core lab. In addition to Lake Superior, a wide range of aquatic habitats are available for study, including inland lakes and rivers.— The Biology Department is dedicated to student success through mentoring and career preparation, and we value diversity, equity and inclusion. We recognize the intrinsic relationship between diversity and excellence, and we strive to support equitable access to opportunities for learning and development for all students. The department offers programs in a wide variety of biological sciences that lead to a range of career paths, and our courses also serve a range of other associate- and bachelor-level majors on campus. See more at https://workatnmu.nmu.edu/en-us/listing/ and https://nmu.edu/biology/programs#Type . DUTIES AND RESPONSIBILITIES:— The assignment will include teaching a range of courses including invertebrate zoology, entomology, aquatic insect ecology, introductory biology, and advanced courses in area of specialty advanced courses in area of specialty. We seek an aquatic biologist committed to teaching and scholarship with an active research program that will involve undergraduate and graduate students and will promote our department mission to foster diversity, equity and inclusion in the biological sciences.

QUALIFICATIONS:— The position requires a PhD (or ABD with completion prior to the start date) in biology or a related field, with a focus on invertebrates. Applicants must be able to teach in one or more of the specialty areas listed above.—

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED - Applicants must have a commitment to teaching. Successful candidates must have the ability to incorporate active learning strategies and establish an active research program with undergraduate and graduate students. In addition, candidates must have excellent oral and written communication skills.

ADDITIONAL DESIRABLE QUALIFICATIONS INCLUDE:— ? Ability to teach stream ecology ? Demonstrated teaching experience in entomology or invertebrate zoology ? Record of peer-reviewed publication appropriate to career stage ? Commitment to the mission of a public comprehensive university ? Willingness and ability to work interdepartmentally ? Record of successful grant writing ? Experience mentoring undergraduate students ? Experience or interest in working with invertebrate museum

collections

The review of applicants will begin November 17, 2024. Applications received after that date will not be considered.— All applicants must include a letter of application that addresses their fit to the teaching responsibilities, abilities, and qualifications required for the position as detailed in the job announcement, a current CV, unofficial transcripts, contact information (names, addresses, email addresses, and telephone numbers) for three references, and the following statements (2-page limit, single spaced for each): 1) teaching approach, 2) research plans, and 3) plans for fostering diversity, equity, and inclusion. To apply for this position please visit: https://workatnmu.nmu.edu/en-us/-listing/.— Questions can be directed to the search committee chair, Kurt Galbreath, at kgalbrea@nmu.edu.

NMU is an equal opportunity, affirmative action employer of protected veterans and individuals with disabilities, and is strongly committed to increasing the diversity of its faculty.

Dr. Ahvi Potticary Assistant Professor Northern Michigan University 1401 Presque Isle Ave Marquette, MI, 49855

she/hers | hear my name < https://namedrop.io/-ahvapotticary >

Ahva Potticary <apottica@nmu.edu>

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OhioStateU Biodiversity

Biodiversity Scientist Department of Evolution, Ecology and Organismal Biology College of Arts and Sciences

Position Overview The Ohio State University (OSU) Department of Evolution, Ecology and Organismal Biology seeks to hire tenure track, assistant professor who uses modern approaches in biodiversity science to study animals. Ideal candidates will have the expertise to serve in a leadership role in one of the collections at the OSU Museum of Biological Diversity (MBD) and conduct specimen-based research sponsored by state and federal agencies. The Museum of Biological Diversity was founded in 1870 and contains a diverse array of collections that are supported by a combination of endowments and external funding. The MBD has particularly strong collections in North American fish and freshwater invertebrates. Faculty will have the opportunity to contribute to the Ohio Biodiversity Conservation Partnership with the Ohio Division of Wildlife for conservation-oriented biodiversity research. In addition, collaboration opportunities exist across the university, including the NSF-funded Imageomics Institute, the Sustainability Institute, the Translational Data Analytics Institute, and the Ohio Supercomputer Center.

Performance Objectives The successful candidate will be expected to develop a strong, externally-grant funded research program that utilizes and grows the resources available in natural history collections. They will be expected to teach at both the graduate and undergraduate level, to conduct outreach at the local level, and to contribute service to the department and their professional community. The successful candidate will also be expected to contribute to EEOB???s continued efforts to enhance diversity, equity, and inclusion at institutional and disciplinary levels. Initial appointment is expected to be at the rank of Assistant Professor.

Education and Experience Requirements Required: A doctorate in the biological sciences or a closely-related discipline. Desired: Experience in the design and implementation of innovative research investigations. Experience in teaching at the undergraduate level. Outreach and engagement skills. Candidates should demonstrate a commitment to building a diverse intellectual community, in line with OSU???s Shared Values (see below).

How to Apply Apply to the Careers at Ohio State website at https://osu.wd1.myworkdayjobs.com/-OSUCareers/job/Columbus-Campus/Assistant-Professor_R114977-1 .A competitive application consists of the following required elements: a cover letter, curriculum vitae, separate research and teaching statements, and three letters of reference. Review of applications will begin on October 15, 2024. Inquiries may be directed to Bryan Carstens at carstens.12@osu.edu.

You will be presented with the opportunity to attach up to FIVE documents in the Application Documents section. Please include the following: - Attachment 1: Cover Letter: 1-2 page letter, which should include a brief summary of your academic background and why you are interested in this opportunity. - Attachment 2: CV (Curriculum Vitae): Detailed overview of your scholarly experience, including your research experience, teaching and mentoring experience, service, funding,

and publications. - Attachment 3: Research Statement: Summary of your past research accomplishments, current work/research, and proposal for your future research plan as a faculty member. (1-2 pages) - Attachment 4: Teaching and Mentoring Statement: A statement of your approaches, experience and philosophy regarding your teaching, learning, and mentoring. (1-2 pages)

All applicants will be asked to provide the names and contact information for three references following the submission of application materials.

The College With more than 80 majors and 100 minors, the College of Arts and Sciences is the academic heart of the university. The Arts and Sciences provides extraordinary opportunities to collaborate across disciplines, blending creativity and analysis to truly be at the forefront of thought. The breadth and depth of knowledge in the college gives students and researchers the critical thinking and adaptability essential for a lifetime of success.

Department Information The Department of Evolution, Ecology, and Organismal Biology has a rich tradition of blending basic and applied research. We promote scientific discovery and scientific literacy through teaching and public outreach. We strive for leadership in our scholarly disciplines combined with excellence in the classroom. To those ends, our service to the University and the community is built on the strength of a diverse, collegial workplace and the free flow of ideas.

The University

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OhioStateU EvolutionaryBiology

Attention evolutionary biologists:

The Department of Evolution, Ecology, and Organismal Biology (EEOB) at The Ohio State University invites applications and nominations of individuals for the position of Professor/Associate Professor and Chair. The Department of Evolution, Ecology, and Organismal Biology provides high quality, comprehensive programs for undergraduate and graduate instruction, generates and disseminates knowledge gained through original research, and provides service to the university, professional community, and public. Its faculty advance the field through innovations in theory, methods, and application. We seek a leader who can contribute to the mission of the department through their academic expertise as an ecologist, evolutionary biologist, or organismal biologist, help the department develop consensus on the direction of growth. Chairs in the College of Arts and Sciences are typically tenured faculty and hold four-year renewable terms.

As a department within the College of Arts and Sciences, EEOB contributes to the mission of the college and the areas of teaching, research, and service. In keeping with the university's mission, the department is committed to the goal of promoting diversity.

Applications received by October 23, 2024 will receive full consideration, but review of applicants is expected to continue beyond that date. Inquiries may be directed to Elly Kaizar, kaizar.1@osu.edu.

Please apply via Workday at: https://-osu.wd1.myworkdayjobs.com/OSUCareers/job/-Columbus-Campus/Chair–Department-of-Evolution–Ecology–and-Organismal-Biology_R115252-1 The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other basis under the law.

Applicants are encouraged to complete and submit the Equal Employment Identification form.

"Moore, Ben" <moore.1365@osu.edu>

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OhioStateU MuseumDirector

Musuem of Biodiversity Director Department of Evolution, Ecology and Organismal Biology College of Arts and Sciences

Position Overview The Ohio State University (OSU) Department of Evolution, Ecology and Organismal Biology seeks to hire tenure track faculty who use modern approaches in biodiversity science to investigate any animal clade. Candidate will serve as Director of the Museum of Biological Diversity, which was founded in 1870 and contains a diverse array of collections that are supported by a combination of endowments and external funding. The MBD includes strong collections in insects, spiders, mites, mollusks, fish, freshwater invertebrates, tetrapods, and plants. Ideal candidates will have the expertise to serve in a leadership role in one of the collections at the OSU Museum of Biological Diversity (MBD) and conduct specimen-based research sponsored by state and federal agencies. Faculty will have the opportunity to contribute to the Ohio Biodiversity Conservation Partnership with the Ohio Division of Wildlife for conservation-oriented biodiversity research. In addition, collaboration opportunities exist across the university, including the NSF-funded Imageomics Institute, the Sustainability Institute, the Translational Data Analytics Institute, and the Ohio Supercomputer Center.

Performance Objectives We seek a colleague who has a strong record of outstanding research using museum collections and is interested in a significant leadership role as the museum???s Director. The successful candidate will establish their own internationally recognized, externally grant-funded research program, contribute to EEOB???s teaching and mentoring mission, and lead the development of institutional initiatives in public engagement and scientific infrastructure. Initial appointment is expected to be at the rank of Associate Professor.

Education and Experience Requirements Required: A doctorate in the biological sciences or a closely-related discipline. Desired: Leadership experience in an academic setting. Outreach and engagement skills. Candidates should demonstrate a commitment to building a diverse intellectual community, in line with OSU???s Shared Values (see below).

How to Apply Apply to the Careers at Ohio State website at https://osu.wd1.myworkdayjobs.com/-OSUCareers/job/Columbus-Campus/Director–Museum-of-Biological-Diversity_R114967-1 .A competitive application consists of the following required elements: a cover letter, curriculum vitae, separate research and teaching statements, and three letters of reference. Review of applications will begin on October 15, 2024. Inquiries may be directed to Bryan Carstens at carstens.12@osu.edu.

You will be presented with the opportunity to attach up to FIVE documents in the Application Documents section. Please include the following: - Attachment 1: Cover Letter: 1-2 page letter, which should include a brief summary of your academic background and why you are interested in this opportunity. - Attachment 2: CV (Curriculum Vitae): Detailed overview of your scholarly experience, including your research experience, teaching and mentoring experience, service, funding, and publications. - Attachment 3: Research Statement: Summary of your past research accomplishments, current work/research, and proposal for your future research plan as a faculty member. (1-2 pages) - Attachment 4: Teaching and Mentoring Statement: A statement of your approaches, experience and philosophy regarding your teaching, learning, and mentoring. (1-2 pages) - Attachment 5: Leadership Statement. A statement describing your leadership experience, philosophy, and priorities. (1-2 pages).

All applicants will be asked to provide the names and contact information for three references following the submission of application materials.

The College With more than 80 majors and 100 minors, the College of Arts and Sciences is the academic heart of the university. The Arts and Sciences provides extraordinary opportunities to collaborate across disciplines, blending creativity and analysis to truly be at the forefront of thought. The breadth and depth of knowledge in the college gives students and researchers the critical thinking and adaptability essential for a lifetime of success.

Department Information The Department of Evolution, Ecology, and Organismal Biology has a rich tradition of blending basic and applied research. We promote scientific discovery and scientific literacy through teaching and public outreach. We strive for leadership in our scholarly disciplines combined with excellence in the classroom. To those ends, our service to the University and the community is built on the strength of a diverse,

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OldDominionU Virginia Two QuantEvolution

We invite applications for two tenure-track positions at Old Dominion University Dept. of Biological Sciences from individuals who are using or developing quantitative, mathematical, bioinformatic (e.g., integration and analysis of -omics datasets) or computational approaches to study biological systems. One position is focused on ecology, evolution, or organismal biology and a second position in biomedical science, immunology, or microbiology. Successful candidates are expected to develop and maintain active research programs that are externally funded, teach undergraduate and graduate courses, and contribute to service in the department. These positions will share in teaching of undergraduate and graduate-level quantitative courses in bioinformatics, computational biology, data science, GIS, modeling, or statistics. Minimum qualifications include: 1. A doctorate (Ph.D. or equivalent) in Biology or a related discipline. 2. Relevant postdoctoral (or equivalent) experience. 3. A strong scholarship record commensurate with experience. 4. Demonstrated potential to establish an active research program and to acquire external funding. 5. Demonstrated potential for excellence in teaching. 6. Strong communication skills.

Old Dominion University, located in Norfolk, is Virginia's forward-focused public doctoral research university with more than 23,000 students, a top R1 research ranking, rigorous academics, an energetic residential community and initiatives that contribute $2.6 billion annually to Virginia's economy. The Department of Biological Sciences has a large undergraduate enrollment with over 1,100 majors and a vigorous graduate program including MS and PhD programs. Information about the Department is available at https://www.odu.edu/biosci. Applications will be accepted through October 31, 2024. The full job positing is available at https://jobs.odu.edu/postings/21792 where applications can also be submitted. Questions can be directed to the Search Committee Chair, Lisa Wallace, at lewallac@odu.edu

Lisa Wallace, Ph.D. Professor and Robert Stiffler Distinguished Professor of Botany Mailing Address: Old Dominion University Department of Biological Sciences Mills Godwin Building Rm. 110 Norfolk, VA 23529 Phone: 757.683.4947 Email: lewallac@odu.edu Website: https://fs.wp.odu.edu/lewallac/ "Wallace, Lisa E." <lewallac@odu.edu>

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Onalaska Wisconsin USFWS Metabarcoding

GS 7/9 geneticist position to work in our lab on metabarcoding-come work with our fun group! We are located along the bluffs of the Upper Mississippi in the gorgeous driftless region! Open to current Federal employees, all US citizens, and recent graduates. Please help us spread the word.

VIN: R4-24-12557498-AA-RCG https://www.usajobs.gov/GetJob/ViewDetails/811038500 VIN: R3-24-12551888-AA-DE https://www.usajobs.gov/GetJob/ViewDetails/811038900 VIN: R3-24-12551889-AA-MP https://www.usajobs.gov/GetJob/ViewDetails/811039200 This is a full-time, permanent position with US Fish and Wildlife. Applicants must possess a bachelor's or higher degree in genetics; or one of the basic biological sciences that included at least 9 semester hours in genetics.

Rachel Brown, PhD (she, her) Deputy Project Leader US Fish and Wildlife Service Whitney Genetics Lab 555 Lester Ave Onalaska WI, 54650

"Brown, Rachel J" <rachel_brown@fws.gov>

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RutgersU NewJersey TeachingEvolution

Lecturer (Part-time) - Spring 2025

Rutgers University, New Jersey, USA

The School of Environmental and Biological Sciences, Rutgers, invites applications for part-time instructors (Lecturers) for Spring 2025 to teach in various undergraduate courses offered by the Department of Ecology, Evolution, and Natural Resources, which will be taught

on the Cook/Douglass campus. The lecturers will be responsible for meeting with the class weekly to provide lectures and/or hands-on lab instruction. The lecturers will also prepare, proctor, and grade homework, labs, quizzes, and exams, as well as provide a final course grade. The lecturers will prepare and post material to the class Canvas website and respond to student email correspondence and will hold weekly office hours to provide one-on-one or small group mentoring and/or consultation. The lecturers will coordinate any other requirements related to the instruction of the course.

For Spring 2025, we seek lecturers for the following five courses: Principles of Evolution (3 credits) Ornithology (4 credits) Silvaculture (3 credits) Principles of Ecology (1/3 of course, 1 credit) Fundamentals of Evolution Lab (1 credit, Mondays)

Posting Close Date: 11/01/2024

Minimum Education and Experience

Hold a Masters or PhD in a relevant discipline (biology, ecology, botany, zoology, natural resources, or other related fields. Preference will be given to candidates with demonstrated teaching experience and effectiveness.

Required Knowledge, Skills, and Abilities

Must be proficient in Canvas.

Physical Demands and Work Environment

In-person

Overview

The School of Environmental and Biological Sciences, located on the George H. Cook Campus, is one of the largest schools of Rutgers University in New Brunswick, New Jersey. We pursue excellence in research, teaching, and outreach in areas of study that address the biological spectrum from molecules to ecosystems. Our emphasis is on both the fundamental sciences and the social and human dimensions.

Statement

The Department of Ecology, Evolution and Natural Resources specializes in ecology, evolution, and natural resource conservation. We study the evolutionary origins and maintenance of biodiversity, conserving and restoring native ecosystems, and issues of global change such as managing natural resources within urban ecosystems.

Application website: https://jobs.rutgers.edu/postings/-236500 “Science and everyday life cannot and should not be separated.” Rosalind Franklin

Dr. Lena Struwe, FLS | Professor | Director, Chrysler Herbarium | Dept of Ecology, Evolution, and Natural Resources & Dept of Plant Biology | School of Environmental and Biological Sciences (SEBS) | Rutgers University | 237 Foran Hall | 59 Dudley Road | New Brunswick, NJ 08901 | USA |

lena.struwe@rutgers.edu | phone (848) 932-6343 | fax (732) 932-9441 | https://tinyurl.com/lenastruwe Lena Struwe <lena.struwe@rutgers.edu>

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SouthernIllinoisU ClimateAdaptation

Job: Global Change, Human-Modified Environments and/or Sustainability (Cluster Hire)

Description The School of Biological Sciences at Southern Illinois University seeks to fill multiple tenure-track faculty positions at the rank of Assistant Professor with potential for excellence in research and teaching related to global change, human-modified environments and/or sustainability issues in the following disciplines: ecology, evolutionary biology, physiology, zoonotic diseases.

Examples of Duties Each successful candidate will be expected to develop and maintain an externally funded research program, maintain a record of scholarly productivity by initiating both independent research and research collaborations in their specialty area leading to publications in national peer-reviewed journals, advise and mentor graduate and undergraduate researchers, teach undergraduate and graduate courses, develop a course in their specialty, and participate in outreach activities.

Qualifications Minimum Qualifications: Applicants must have earned a doctorate in the life sciences by date of hire. Applicants should have significant research experience documented through peer-reviewed publications and/or funding.

Preferred Qualifications: Preference will be given to applicants who can teach courses in one or more of the following subject areas: biostatistics; community, ecosystem or quantitative ecology; animal physiology; herpetology; ornithology; wildlife diseases; vertebrate zoology; virology; aquaculture. Postdoctoral research experience is also preferred.

Supplemental Information Southern Illinois University Carbondale is a Carnegie Doctoral Research Univer-

sity offering 200+ undergraduate degrees, minors and specializations, 79 master's degrees, and 40 doctoral degrees. Our main campus is 1,136 acres, with additional acreage in University Farms, Touch of Nature Outdoor Education Center, and other facilities. The university is an essential part of the city of Carbondale and an important contributor to the culture of the entire region. While Carbondale includes many of the amenities of urban life, it retains its small-town flavor. Cost of living is considerably lower in the region than similar areas elsewhere, and many employees commute from nearby counties.

The Southern Illinois region is distinct from the rest of the state, boasting considerable natural beauty including the Shawnee National Forest, many state parks, national wildlife areas, and several lakes beloved for recreation. Local foods are readily available in the area, with a variety of eateries and a growing specialized food truck presence. The area is home to the Shawnee Hills Wine Trail, an official wine appellation designation. The wineries extend the cultural reach of the community, hosting live music and continual art exhibits. The campus itself is a microcosm of the area, with a lake and forest on campus, as well as traditional collegiate architecture, quad, and residential halls. Students enjoy outdoor study areas as well as specialized computer labs scattered across campus, including in the three million volume Morris Library. To learn about employee benefits and find resources about Carbondale and the Southern Illinois region, visit: https://jobs.siu.edu . Contact: Frank Anderson, feander@siu.edu

SIU Carbondale, member of the SIU System, is an anti-racist community that opposes racism, discrimination and inequity in any form, and embraces diversity, inclusion, equity, and justice for all people.

SIU Carbondale is an Affirmative Action/Equal Opportunity Employer of individuals with disabilities and protected veterans that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

"Brown, Jason L" <jason.brown@siu.edu>

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StonyBrookU NewYork ClimateAdaptation

Location: Stony Brook, NY Open Date: Sep 18, 2024 Deadline: Oct 29, 2024 at 11:59 PM Eastern Time

Description The Department of Ecology and Evolution at Stony Brook University, in collaboration with the Turkana Basin Institute, invites applications for a tenure-track faculty position at the rank of Assistant Professor in the area of Drylands Ecology. In particular, research seeking to understand drylands ecology in the context of anthropogenic climate change aligns with a university-wide emphasis and strength in this area. We invite applications from researchers working with plants, animals or other biota at the organismal, population, community or ecosystem level, including conservation biology.

This position is intended for researchers whose interests intersect with the goals and mission of the Turkana Basin Institute (TBI). We seek a candidate with the potential to augment or build upon one or more of the Department of Ecology and Evolution's current research strengths, while taking advantage of Stony Brook's unique relationship with the Turkana Basin Institute. TBI is a Stony Brook University Institute, established by the late paleoanthropologist, conservationist and Stony Brook University faculty member Richard Leakey. TBI's mission is to support and drive research in the greater Turkana Basin, a remote region of sub-Saharan Africa, by providing permanent research support infrastructure at its two field campuses, TBI-Turkwel and TBI-Ileret, support for logistics, as well as through an administrative support center in Nairobi. Partnership with local and national research organizations and local communities is a key part of TBI's mission. The Turkana Basin is a premier site for the discovery and understanding of hominid and vertebrate evolution and the ecological and climatological context of these processes, and ongoing contributions make it one of the world's most significant scientific research areas. Candidates need not have a current research program in the Turkana Basin.

We seek a candidate who will be an effective teacher in undergraduate and graduate courses in the areas of ecology and evolution, and who will develop a research program that enhances and complements the work of our current faculty. Details of the department's areas of research emphasis and current facilities may be found at

http://www.stonybrook.edu/ecoevo/ . The successful candidate must have a Ph.D. in ecology, evolution, or a closely related field at the time of appointment; preference will be given to those with related post-doctoral experience. The successful candidate must also have the clear potential to establish an internationally recognized, externally funded research program. They will teach at the undergraduate and graduate levels, including contributing to field courses taught at the Turkana Basin, Kenya, generate external funding to support their research, perform research including developing a research program in the Turkana Basin, mentor undergraduate and graduate students, participate in departmental and university committees, and perform service to support the Department of Ecology and Evolution and the Turkana Basin Institute.

Qualifications Required Qualifications: Doctoral Degree (or foreign equivalent) in ecology, evolution, or a field closely related to the subject of the search, received by August 1, 2025. Evidence of research activity relevant to the subject of the search. Potential for leveraging the affiliation with Turkana Basin for teaching or research. The applicant need not have a research program in the Turkana Basin at present.

Preferred Qualifications: Postdoctoral training in a field closely related to the subject of the search. High quality research and publications relevant to the subject of the search. History of, or strong potential for, attracting external funding. Proven experience or demonstrated potential as an effective teacher and mentor consistent with the Ecology & Evolution graduate program and mission of Stony Brook University. Ability and interest in developing or contributing to field courses at the Turkana Basin Institute. Ability and interest in developing and maintaining an active research program involving the Turkana Basin. Commitment to expanding diversity in the fields of ecology and evolution.

Application Instructions To apply, visit http://-apply.interfolio.com/152962 . Review of applications will start on October 15, 2024 and applications will continue to be accepted until October 29, 2024. Applications must be submitted through Interfolio by clicking "Apply Now." Applications must include a cover letter; CV; research, teaching, and diversity statements; and the names and contact information of at least three references. The research statement should include a plan for obtaining external funding. The teaching statement should address teaching and

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StonyBrookU NewYork DirectorUndergraduateBiology

Director of Undergraduate Biology Program

The Undergraduate Biology Program at Stony Brook University invites applications for the position of Director of Undergraduate Biology. This is a tenured position at the Associate or Full Professor level. The successful candidate will join one of our home departments: Biochemistry and Cell Biology, Ecology and Evolution, or Neurobiology and Behavior. This position is open to both internal and external candidates, including those actively engaged in original scientific research.

The Director of Undergraduate Biology is responsible for leading the undergraduate program, fostering a dynamic and inclusive learning environment, and enhancing the academic experience of our students. The Director will work closely with the Executive Committee of the Undergraduate Biology Program, faculty, and staff to develop, implement, and evaluate innovative curricular initiatives, support student success, and ensure the program's excellence. In addition, there is potential for the development of new or online courses, and for fostering collaborations with units such as the Center for Inclusive Education (CIE) to further enhance diversity and inclusion.

Opportunity Stony Brook University's Undergraduate Biology program is one of the largest on campus, with over 2000 majors, attracting a diverse and talented student body. Our graduates go on to pursue advanced degrees in medicine, research, and health professions, reflecting the program's strong foundation and rigorous academic training. The Director will have the opportunity to engage with cutting-edge research across our departments, including pioneering work in biochemistry, cell and developmental biology, neuroscience, ecology and evolution. In association with the Undergraduate Research and Creative Activities (URECA) office and academic departments, the program supports faculty-mentored student research projects and provides opportunities to showcase student research achievements.

The staff in Undergraduate Biology includes four full time and approximately thirty part time faculty that are responsible for the delivery and development of introductory biology laboratory courses to approximately 2,000 students per year. Thirteen non-instructional staff

members provide administrative and technical support to course faculty instructors and advising services to the students. The Director manages various financial accounts including several endowments for undergraduate scholarships and research support.

The university has national and international recognition in the biosciences, offering a wealth of resources and opportunities for the Director to innovate the program. There is significant potential for continued innovation in the laboratory courses and the student experience.

Key Responsibilities - Provide leadership and vision for the undergraduate biology program. - Collaborate with and supervise faculty lecturers and staff in the undergraduate biology program. - Coordinate academic advising and support services for undergraduate biology students. - Foster alignment to standards of undergraduate biology education. Promote and foster the development, assessment, and continuous improvement of all biology courses, including the undergraduate biology lab courses: Fundamentals of Scientific Inquiry in the Biological Sciences I and II. - Serve as a liaison between the undergraduate program, the Executive Committee, and the home departments with regards to scheduling, curriculum, and courses that are taught by faculty in the home departments. - Ensure the Undergraduate Biology Office is a welcoming and student-centric environment. Ensure that students feel supported and valued by the program providing exceptional, prompt, clear student services. Enhance all forms of communication, including the in-person experience, online, and email experience. Implement regular feedback mechanisms to continuously improve the quality of interactions and services provided to students. - Promote research opportunities and experiential learning for students. - Develop and maintain collaborations with internal and external partners. - Engage with alumni, leveraging their success and support to further strengthen the program.

Qualifications Required Qualifications: Ph.D. (or foreign equivalent) in Biology or a related field. Tenured Associate or Full Professor with a distinguished record of teaching, research, and service. Demonstrated experience in academic leadership or administration.

Preferred Qualifications Strong commitment to undergraduate education and student success. Proven ability to work collaboratively with faculty, staff, and students. Excellent communication and interpersonal skills. Commitment to fostering diversity, equity, and inclusion in higher education. Scholarly interests and prior experience that align with one of the three home departments. Experience in curriculum development and assessment of student learning.

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StonyBrookU NewYork TeachingEvolution

Undergraduate Biology Lecturer

Stony Brook University's Undergraduate Biology Program is searching for an Academic Year (10 month) Lecturer for the introductory biology laboratory courses (BIO 204, 205, 207; see below). This is a Full-Time, Non-Tenure Track Lecturer position in the Undergraduate Biology Program. This Lecturer will be part of a team that is jointly responsible for overseeing introductory laboratory courses that service approximately 2000 students per year. The Lecturer will teach recitation sections, administer assessments, lead weekly preparatory sessions and supervise instructors, graduate teaching assistants and undergraduate teaching assistants. The Lecturer will coordinate weekly laboratory and learning center activities and the development of protocols with the professional laboratory staff. The incumbent will also interact with campus offices responsible for the Brightspace learning management system and faculty and curriculum development. Strong candidates will have exceptional organizational and interpersonal communication skills, be familiar with a variety of laboratory procedures and techniques and have experience in curriculum development. There will be opportunities for teaching and administrative duties during the summer, with an associated summer stipend.

Lab courses to be supervised:

BIO 204 ?¿‘ Fundamentals of Scientific Inquiry in the Biological Sciences I

BIO 205 - Fundamentals of Scientific Inquiry in the Biological Sciences IIA

BIO 207 - Fundamentals of Scientific Inquiry in the Biological Sciences IIB

Anticipated Start Date: As soon as possible and no later than September 1, 2025.

Salary Range: Commensurate with experience, within the range of $65,000 to $75,000, plus location pay.

Required Qualifications: Ph.D. in biological sciences or a closely related discipline by December 2024. Two

years of teaching experience at the college level.

Preferred Qualifications: Experience in teaching college level laboratory courses in the biological sciences. Experience working with and training undergraduate and/or graduate teaching assistants. Experience using educational learning management systems (e.g. Brightspace) to facilitate student learning. Familiarity with a variety of laboratory procedures and techniques. Experience with faculty and/or curriculum development. Expertise in one or more of the following areas: bioinformatics, ecology, evolution, genetics.

Applications can be submitted to Interfolio https://apply.interfolio.com/155315
robert.thacker@stonybrook.edu

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StonyBrookU NY Genomics

Position Title

Assistant, Associate or Professor–Genomics In A Changing World

Location

Stony Brook, NY

Position Type

Prov Tenure Track

Position URL

apply.interfolio.com/156821

Position Description

The Department of Ecology and Evolution at Stony Brook University invites applications for an open-rank position within the broad theme of "*Genomics In A Changing World*". Global change driven by increased human activities is the defining socio-environmental challenge of this century. We are interested in recruiting researchers who leverage genomic approaches within the context of these changes, aligning with a university-wide emphasis and strength in this area. We invite applications from researchers utilizing wet-lab, computational and/or theoretical approaches and those studying microorganisms, plants and animals (including humans). Specific areas of expertise can include, but are not limited to, population genetics, evolutionary genomics, comparative genomics, ecology and evolution of infectious disease, host-pathogen and/or vector co-evolution, evolutionary change documented through archival materials, microbiome variation, epigenetics, phenology, aging, experimental evolution and functional genomics.

We seek a candidate who will be an effective teacher in undergraduate and graduate courses in the areas of ecology and evolution, and who will develop a research program that enhances and complements the work of our current faculty. Details of the department's areas of research emphasis and current facilities may be found at http://www.stonybrook.edu/ecoevo/ . As well as potential collaborations with faculty within the department, applicants would have the opportunity to leverage a number of external links in their research and teaching. The department interacts closely with the School of Marine and Atmospheric Sciences, Anthropology and the Institute for Advanced Computational Science, and has strong links with the Turkana Basin Institute in Kenya and Centre ValBio in Madagascar. In addition, Stony Brook has long-standing connections with Cold Spring Harbor Laboratories, Brookhaven National Laboratory, and the New York Genome Center.

The successful candidate must have a Ph.D. in ecology, evolution, or a closely related field at the time of appointment; preference will be given to those with related post-doctoral experience. They will teach at the undergraduate and graduate levels, generate external funding to support their research, perform research, mentor undergraduate and graduate students, participate in departmental and university committees, and perform service to support the Department of Ecology and Evolution.

Researchers at the tenure-track Assistant Professor level are particularly encouraged to apply, and should demonstrate clear potential to establish an internationally recognized, externally funded research program. While researchers at any level will be considered, applicants at Associate Professor level or above must demonstrate a strong track record of external funding.

Qualifications

Required Qualifications: Doctoral Degree (or foreign equivalent) in evolution or ecology, or a field closely related to the subject of the search at the time of appointment. Evidence of research activity relevant to the subject of the search as demonstrated by peer reviewed publications.

Preferred Qualifications: Postdoctoral training in a field closely related to the subject of the search. High quality research and publications relevant to the subject of the search. History of, or strong potential for, attracting external funding. Proven experience or demon-

strated potential as an effective teacher and mentor consistent with the Ecology & Evolution graduate program and mission of Stony Brook University. Commitment to expanding diversity in the fields of ecology and evolution.

Application Instructions

Review of applications will start on December 15, 2024 and applications will continue to be accepted until December 31, 2024. Applications must be submitted through Interfolio by clicking "Apply Now." Applications must include a cover letter; CV; research, teaching, and diversity statements; and the names and contact information of at least three references. The research statement should summarize your research highlights as a PhD student and, if applicable, as a postdoc, describe the future research direction of your independent research program, and include a plan for obtaining external funding. The teaching statement should address teaching and mentorship, including an articulated teaching philosophy, and ability to contribute to teaching needs in Ecology & Evolution. The diversity statement should discuss past or potential leadership in advancing excellence in diversity, inclusion, equity, and belonging as a teacher and a researcher in higher education. Questions should be directed to the Chair

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.mcmaster.ca/~brian/evoldir.html

UAlaska Fairbanks TemporaryResAssocMetabarcoding

I am seeking a research associate to assist with environmental DNA metabarcoding data analysis. The successful candidate will work on various projects utilizing environmental DNA in aquatic environments by running bioinformatics pipelines, quality control checks, performing statistical analyses and assisting with writing papers. The candidate will be included as a co-author on associated publications. This position can be fully remote or located in Fairbanks, Alaska.

The Glass Lab (www.theglasslab.org) is housed in the Department of Fisheries at the University of Alaska Fairbanks, College of Fisheries and Ocean Sciences https://www.uaf.edu/cfos/. The mission of The Glass Lab is to integrate genomic tools, an evolutionary perspective, and Indigenous science to sustainability manage and conserve marine organisms for Alaskan coastal communities. The Glass Lab values a culture of inclusion and embraces a wide range of perspective and experiences. We support intersectional diversity and work-life balance.

Start Date:January 2025 or as soon as possible

Salary and Benefits:$33.82/hour, working up to 37 hours/week. This position is supported by a grant from the National Science Foundation until July 2025. There are opportunities to assist with grant writing for continued funding. Candidates are eligible for medical, dental and vision, as well as a Tax-deferred Annuity or Roth retirement plan.

Qualifications:M.S. degree in biology, evolution, genetics, bioinformatics, or other relevant discipline; or equivalent experience with a B.S. degree. Experience with molecular biology techniques (DNA metabarcoding), bioinformatics, statistical analysis and coding in R or Python is essential. A willingness to learn, attention to detail, and a strong work ethic and communication are highly valued.

Contact:For more information, contact Jessica Glass(jessica.glass@alaska.edu).To apply, email the following: 1) 1-page cover letter describing your interest in the position and relevant skills; 2) CV; 3) unofficial transcripts, and 4) contact information for 3 references. UAF values equity, diversity and inclusion and we especially encourage applicants from underrepresented or historically excluded groups to apply. This position is only open to U.S. citizens or green-card holders.Applications will be accepted until November 15th.

Jessica R. Glass, PhD Assistant Professor, Fisheries she/her

University of Alaska Fairbanks College of Fisheries and Ocean Sciences Department of Fisheries 2150 Koyukuk Drive Fairbanks, Alaska 99775 jessica.glass@alaska.edu +1 907 474 6524 www.theglasslab.org Jessica Glass <jrglass@alaska.edu>

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UBielefeld AnimalBehaviour JuniorGroupLeader

A full-time junior group leader/scientific assistant position/, salary scale E13 is available in the Department of Animal Behaviour at Bielefeld University, Germany from March 1st 2025 or soon thereafter. The position is available for six (3+3) years. The position is comparable to a Lecturer position in the UK or an Assistant Professor position in the US.

We seek a bright and highly motivated postdoctoral researcher who ideally has several years of postdoc experience in a relevant topic (e.g. animal behaviour, behavioural ecology, population ecology, evolutionary ecology). Extensive experience with genetic and genomic approaches to behaviour will be a distinct advantage. The scientific assistant will be responsible for developing his or her own research agenda while also significantly contributing to one of the three core model systems of the department (zebra finches in the lab, birds of prey in the field, sea lions in the field). It is expected that he/she will be able to obtain significant third-party research funding. The ideal candidate will be able to work both independently and as part of a multidisciplinary team. The teaching duties of a scientific assistant are 4 hours per week during semesters or 120 hours per annum. In addition, the successful candidate is expected to contribute to the running of the Department of Animal Behaviour which is headed by Oliver Krï¿½ger.

The successful candidate will be based at the Department of Animal Behaviour at Bielefeld University (www.uni-bielefeld.de/fakultaeten/biologie/-forschung/arbeitsgruppen/behaviour). The department is the oldest of its kind in Germany. It offers a stimulating international environment and an excellent research infrastructure including a brand new building (to be completed in 2025) with state-of-the-art laboratories and offices. The working language of the Department is English. Together with the Evolutionary Population Genetics (Joe Hoffman), Behavioural Ecology (Barbara Caspers) and Evolution (Klaus Reinhold) research groups housed in the same building, there are over 80 scientists and PhD students from a dozen different countries working on related topics in behaviour, ecology and evolution.

Bielefeld is a city of 325,000 inhabitants with an attractive historical centre and easy access to the Teutoburger Wald for hiking and other outdoor pursuits. It offers a high standard of living and is well connected to most major European cities.

To apply for the position, please provide: (i) a letter of motivation including a 3-5-page statement of your research interests, how you would contribute to the core model systems in the department, relevant skills and experience; (ii) a CV including publication list; (iii) names and contact details of three referees willing to write confidential letters of recommendation. All materials should be emailed as a single PDF file to: oliver.krueger@uni-bielefeld.de.

The application deadline is November 15th 2024 and interviews will take place in December 2024. The preferred start date is March 1st 2025 but is flexible and will depend on the timeframe of the most qualified applicant. For further information, please browse the webpage of the department or contact Oliver Krï¿½ger via email (oliver.krueger@uni-bielefeld.de) with any informal inquiries.

The University of Bielefeld is an equal opportunity employer. We particularly welcome applications from women and handicapped people. Given equal suitability, qualifications and professional achievement, women or handicapped people will be given preference, unless particular circumstances apply.

“Chakarov, Nayden” <nayden.chakarov@uni-bielefeld.de>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

UBritishColumbia TeachingBiostatistics

Tenure-Track Assistant Professor of Teaching - Department of Zoology in the Faculty of Science at the University of British Columbia, Vancouver.

The expected starting salary range for this position is $105,000 to $130,000 per year.

Position description

The Department of Zoology at The University of British Columbia seeks candidates for an Assistant Professor of Teaching position in the tenure-track Educational Leadership stream, focused on Biostatistics and Data Science in the Biology undergraduate program.

The UBC Biology Program, which is administered by the Zoology and Botany departments, places a premium on excellent teaching. The successful candidate would join 15 other tenure-track or tenured faculty in the Educational Leadership stream. Our program consists of courses ranging from large multi-section courses to small specialty courses. We expect a successful candidate to implement state-of-the-art approaches to teaching and learning and to demonstrate innovation in pedagogy. The position is based at UBC's Vancouver campus. UBC's campuses are located on the traditional, ancestral, and unceded territories of the Syilx (Okanagan) Peoples and of the Coast Salish Peoples, including the territories of the xwmÉÎkwÉyÌÉm (Musqueam), SkwxwÃo7mesh (Squamish), and Stó:lÅ and SÉlÌílwÉtaÊ/Selilwitulh (Tsleil Waututh) Nations.

Applicants must have a background in biology or biomedical science and a strong foundation in statistics relevant for the biological sciences. A PhD and teaching experience in biostatistics are valued but not required. Candidates must demonstrate the ability or strong potential to teach large enrollment courses in biostatistics and biology (appropriate to their background) at various levels of undergraduate instruction. Successful candidates will demonstrate evidence of outstanding teaching ability and the potential to contribute to ongoing curriculum and course development. Candidates must be committed to improving biology teaching, engaging with discipline-based educational research, and leading collaborative teaching teams. They will have a strong commitment to equity, diversity and inclusion, to create a welcoming community for all, particularly for those who are historically, persistently or systemically marginalized.

Initial duties of the position will include: teaching biostatistics (specifically, BIOL 300 Fundamentals of Biostatistics); the coordination of the teaching team for multiple sections of biostatistics lectures and tutorials using R (including supervision and training of graduate teaching assistants); and teaching in other biology courses appropriate to the candidate's expertise.

As the successful candidate moves towards promotion and tenure, they will take on Educational Leadership roles which fit their skills and interests and the needs of the biology program. These roles may include the development of tutorials to incorporate basic statistics and data science principles into first and second-year biology courses, course development, pedagogical research and innovation, and curriculum development. As a member of the UBC Educational Leadership stream, the candidate is expected to demonstrate promise of strong educational leadership, and is expected to meet the requirements for promotion and tenure within the prescribed time frame (as described here: https://science.ubc.ca/-sites/science.ubc.ca/files/FacultyofScience_EL_DP.pdf and https://hr.ubc.ca/sites/default/files/documents/-Educational_Leadership_Stream_Criteria.pdf). To facilitate educational leadership roles, there will be opportunities to work in collaboration with Science Education Specialists (https://skylight.science.ubc.ca/-contact) in the Biology program on course or curriculum development, or projects to assess pedagogy. In addition to the duties outlined above, the candidate is expected to participate actively in departmental activities, service, events, and initiatives.

How to apply

Application packages should be submitWarning: base64 decoder saw premature EOF! ted as a single PDF document, uploaded to Academic Jobs Online: https://-academicjobsonline.org/ajo/jobs/28228/ . It must include: (1) Cover letter (up to 2 pages) describing interest and overall fit to the position as described above, addressed to the search committee chair, Prof. Michael Whitlock (2) Curriculum vitae, including teaching experience and evidence of teaching effectiveness (e.g., course evaluation summaries, teaching recognition/awards, etc.) (3) Teaching statement (up to 2 pages) outlining your teaching interests and philosophy

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UCalifornia Irvine LabTech EvolutionTE

Laboratory Technician in Evolutionary Epigenomics Lab

The Lee lab in the Department of Ecology and Evolutionary Biology at the University of California, Irvine invites applications for Lab Assistant (technician/lab manager). Our group studies how transposable elements, widespread genetic parasites, influence genome function and evolution through epigenetic mechanisms. Toward this end, we combine functional genomics, computational biology, experimental genetics, and evolutionary biology. This NIH-funded position will focus on investigating how diets influence the regulation of transposable

elements.

Our lab is part of the Department of Ecology and Evolutionary Biology (https://ecoevo.bio.uci.edu/-), the Center for Evolutionary Genetics (https://-evogen.bio.uci.edu/), and the Center for Complex Biological Systems (https://ccbs.uci.edu/). More information about our research interests can be found at http://grylee.science/ Requirements for the position include:

- B.S. in Biology or related degree

- At least one year of experience with standard molecular biology techniques (e.g., DNA/RNA extractions, PCR, qPCR) in a research laboratory setting

- Attention to detail and strong organizational abilities

- Strong communication skills

Have basic statistical skills

- Can work independently as well as collaboratively

- Be comfortable working with fruit flies Preference will be given to candidates with experience in Drosophila genetics.

Responsibilities of the position include:

- Maintaining Drosophila culture and making genetic crosses

- Assaying Drosophila phenotypes, including microscopy imaging

- Performing Drosophila dissections

- Executing molecular biology experiments for genomics studies

- Analyzing and summarizing results

- Maintaining laboratory equipment and inventory (including ordering supplies)

- Assisting with projects of other lab members as necessary

The initial appointment is one year with potential extension and/or renewal based on work performance and availability of funding support. This is a full-time position, including benefits. The expected start date is on or before Jan 1st, 2025. The lab is committed to fostering a supportive environment that values individual growth and development. This position may be especially suitable for post-bac scholars looking for additional research experience before attending graduate school.

Qualified candidates should submit a curriculum vitae and two reference letters to grylee@uci.edu. Please contact Grace Lee (grylee@uci.edu) for any questions. Informal inquiries are welcome.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

Grace Yuh Chwen Lee <grylee@uci.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

UCalifornia LosAngeles ConservationGenomics

The Department of Ecology and Evolutionary Biology (EEB) at the University of California, Los Angeles (UCLA) seeks to fill a tenure-track, assistant or associate level faculty position in conservation genomics. We seek candidates who use genomic tools to study population and evolutionary processes related to the conservation of rare or foundational species threatened by human activities. The ideal candidate would be able to develop and apply mathematical, statistical, or computational models to genomic data, have natural history knowledge of their study organisms, and/or translate their findings into conservation applications.

Application deadline: November 29, 2024

For more information please visit: https://-recruit.apo.ucla.edu/JPF09875 Nandita Garud, PhD Associate Professor Department of Ecology and Evolutionary Biology Department of Human Genetics, David Geffen School of Medicine University of California, Los Angeles 621 Charles E. Young Drive South Los Angeles, CA 90095-1606

Lab website: https://garud.eeb.ucla.edu Nandita Garud <ngarud@g.ucla.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

UCalifornia LosAngeles VertebrateEvolution

Please see the full job ad here: https://-recruit.apo.ucla.edu/apply/JPF09874 Next review date:Friday, Nov 29, 2024 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Position description

The Department of Ecology and Evolutionary Biology (EEB) at the University of California, Los Angeles (UCLA), in partnership with UCLA's DataX Initiative, is seeking to fill a faculty position (open rank) who will also serve as the Donald R. Dickey Chair in Vertebrate Biology, an endowed position to steward and maintain the Donald R. Dickey Bird and Mammal Collection. The Dickey Collection houses nearly 64,000 specimens from North and Central America and the Pacific Islands, including an extensive collection of photographs, books, and field notes. Candidates with expertise in ecology or evolutionary biology, broadly defined, are encouraged to apply.

The posted UC salary scales (https://www.ucop.edu/-academic-personnel-programs/compensation/-index.html) set the minimum pay determined by rank and step at appointment. See Table 1. The salary range for this position is $78,200-$205,400. "Off-scale salaries", i.e. a salary that is higher than the published system-wide salary at the designated rank and step, are offered when necessary to meet competitive conditions.

Necessary qualifications include a Ph.D. degree in a relevant discipline. Strong candidates will have an integrative collections-oriented research program that harnesses the power of new technologies in data acquisition and analysis of natural history collections, experience with the curation and collection of museum specimens and data, and a record of competitive extramural funding. The Dickey Chair will be responsible for the supervision of the Collections Manager, for developing an externally funded research program, including grants to increase the impact of the collection, and for the active use of the Dickey collection in teaching. We are especially interested in candidates whose research complements existing departmental strengths in organismal biology, and who will contribute to our teaching mission in inclusive education and diversity.

Application packages should be submitted online through [https://recruit.apo.ucla.edu/apply/JPF09874] and include the following individual documents: 1) a cover letter briefly summarizing qualifying experience and fit for this position (2 pages max); 2) curriculum vitae; 3) research statement including future directions (2 pages max); 4) teaching statement that describes teaching interests and experience, particularly use of evidence-based inclusive teaching practices (1 page max); 5) statement of contributions to equity, diversity, and inclusion that includes previous and planned efforts that advance EDI through formal and/or informal mentoring, research or education activities (1 page max); 6) a vision statement for the Dickey collection and its potential role in the larger university, regional, and museum communities (1 page max); and 7) name and contact information for three reference writers. Letters of recommendation will be solicited for select candidates after initial screening. Review of applications will begin on November 8th, 2024, and continue until the position is filled. Inquiries about the position should be sent to the search committee chair, Professor Morgan Tingley (mtingley@ucla.edu).

The EEB Department at UCLA is a vibrant and expanding department of 29 current faculty members with ecological and evolutionary strengths in conservation, field, genomic, quantitative, and behavioral biology. The department is part of a dynamic interdepartmental research community in computational biology, bioinformatics, genomics, conservation, and marine biology across the greater UCLA campus. EEB features a large graduate program, three undergraduate majors (Biology; Ecology, Behavior, and Evolution; Marine Biology), and two undergraduate minors (Conservation Biology and Evolutionary Medicine). EEB is closely associated with the UCLA La Kretz Center for California Conservation Sciences, the Stunt Ranch Reserve and broader UC Natural Reserve System, the Mildred E. Mathias Botanical Garden, the Congo Basin Institute, the Center for Tropical Research, and the Center for Education Innovation and Learning in the Sciences. EEB faculty have affiliations or close ties with the Institute for Quantitative and Computational Biosciences and the Institute of Environment and Sustainability, the David Geffen School of Medicine (Departments of Human Genetics & Computational Medicine), the Samueli School of Engineering (Department of Computer Science), and the Fielding School of Public Health.

We strongly encourage applications from individuals who are

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UCalifornia Riverside EvolutionaryBehaviorInsects

From: Calitia Williams <calitia@jobelephant.com>

Assistant Professor in Chemical Ecology and Behavior of Insects

University of California Riverside

The Department of Entomology at the University of California, Riverside (https://entomology.ucr.edu) invites applicants for an Assistant Professor and Assistant Entomologist position to develop an innovative research program employing chemical approaches to the study of the behavior, ecology, and/or evolution of terrestrial arthropods. This is a 9-month, tenure-track position that is intended to start on July 1, 2025. The successful candidate will develop a creative, collaborative, extramurally funded research program employing chemical, molecular, and behavioral/organismal approaches to understand interspecific and/or intraspecific interactions at any level of biological organization. Research areas could include, but are not limited to, chemical mediation of communication, plant-insect interactions, chemical ecology of microbial interactions with plants and/or arthropods, metabolomics in an ecological context, molecular and neurobiological aspects of sensory recognition, and the evolutionary genetics of chemical signaling and behavior. The successful candidate will also be expected to teach in their area of expertise and additional areas that support life sciences at both the undergraduate and graduate level. Development of new courses is encouraged. Teaching responsibilities may include participation in existing courses on chemical ecology, insect ecology, insect behavior, and plant-insect interactions, as well as developing new courses in the candidate's area(s) of expertise. The candidate will also be expected to supervise the training of graduate and undergraduate students and participate in departmental and university service obligations.

The UC salary consists of a base pay of $78,200 to $101,400 for Assistant Professors and additional off-scale to be commensurate with market value, qualifications and experiences. The off-scale portion of the salary will be maintained as long as satisfactory academic progress is made. Additionally, the off-scale will be maintained subject to market adjustments to the UC salary scale.

Basic qualifications for this position that must be met by the date of application include:

- Ph.D. in entomology, chemistry, biochemistry, or a related biological science.

- Experience in chemical ecology (e.g., expertise in chemical analytical techniques and/or chemical synthesis alongside expertise in behavior, evolution, and/or ecology) as demonstrated by publications, research accomplishments, and professional service.

Preferred qualifications for this position include:

- Postdoctoral research experience.

- Experience with teaching and curriculum development.

Advancement through the Professorial ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

To apply: submit the following to https://apptrkr.com/-5574416 - Curriculum Vitae

- Cover Letter - Short cover letter describing background and interests (1-page maximum)

- Statement of Research/Scholarly Activities (2-page maximum)

- Statement of Teaching and Mentoring - This statement should be a concise description of the applicant's teaching and mentoring philosophy and include past experience and future teaching and mentoring plans. (2-page maximum)

- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence - The University of California is committed to excellence and equity in every facet of its mission. Applicants should summarize their past and planned contributions in relevant areas of faculty achievement that promote equal opportunity and diversity. These contributions to diversity and equal opportunity can take a variety of forms including specific actions and efforts to advance equitable access to education, public service that addresses the needs of diverse populations, research in a scholar's area of expertise that highlights inequalities, or mentoring and advising of students and faculty members, particularly from underrepresented and underserved populations. (2-page maximum)

- Letters of Reference - At time of submission, applicants should provide contact information and request letters of recommendation from 3 referees to be submitted through AP Recruit. Each letter writer will need to submit their letter via AP Recruit by January 3, 2025.

Competitive applications will include compelling research plans described within the Research Statement. Evidence of effective mentoring, teaching ability and curriculum development will further strengthen applications.

Review of applications will commence on January 3, 2025, and proceed until this position is filled. For full consideration, applicants should

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UCalifornia Riverside InsectBiodiversityGenomics

Assistant Professor and Assistant Entomologist in Conservation Genomics and Biodiversity

University of California Riverside

The Department of Entomology at the University of California, Riverside (https://entomology.ucr.edu) invites applicants for an Assistant Professor and Assistant Entomologist to develop an innovative research program on conservation genomics and biodiversity of arthropods. This 9-month, tenure-track position will be available starting July 1, 2025.The successful candidate will develop a creative, collaborative, extramurally funded research program at the interface of conservation, genomics, and global change biology to identify arthropod species, populations, or communities of concern and identify approaches to quantify and protect threatened biodiversity. Research areas could include, but are not limited to, conservation genetics, comparative genomics, phylogenetics/phylogenomics, or biodiversity research at the population or landscape scale. The ideal researcher will integrate a variety of modern genomics methods and leverage 'big data' to develop strategies to identify and reverse insect population decline, mitigate effects of habitat loss or degradation, safeguard biodiversity, and promote conservation efforts. Teaching responsibilities may include participation in existing courses on insect evolution, insect biodiversity, and systematics, developing new courses in conservation genomics, conservation biology and insect decline, or other relevant courses, and supervision of graduate and undergraduate students.

The UC salary consists of a base pay of: $74,600 to $97,200 for Assistant Professors and additional off-scale to be commensurate with market value, qualifications and experiences. The off-scale portion of the salary will be maintained as long as satisfactory academic progress is made. Additionally, the off-scale will be maintained subject to market adjustments to the UC salary scale.

Basic qualifications for this position that must be met by the date of application include: A PhD in Entomology or a related biological science.

Preferred qualifications for this position include:

- Strong background in conservation genomics or related fields and arthropod biodiversity, as demonstrated by publications, extramural funding, and professional service.

- Postdoctoral experience.

Advancement through the professorial ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years.

To apply: submit the following to https://apptrkr.com/5667491 :

- Curriculum Vitae

- Cover Letter - Short cover letter describing background and interests (1-page maximum)

- Teaching Evaluations (Optional)

- Statement of Research/Scholarly Activities (2-page maximum)

- Statement of Teaching and Mentoring - This statement should be a concise description of the applicant's teaching and mentoring philosophy and include past experience and future teaching and mentoring plans. (2-page maximum)

- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence - The University of California is committed to excellence and equity in every facet of its mission. Applicants should summarize their past and planned contributions in relevant areas of faculty achievement that promote equal opportunity and diversity. These contributions to diversity and equal opportunity can take a variety of forms including specific actions and efforts to advance equitable access to education, public service that addresses the needs of diverse populations, research in a scholar's area of expertise that highlights inequalities, or mentoring and advising of students and faculty members, particularly from underrepresented and underserved populations. (2-page maximum)

- Letters of Reference - At time of submission, applicants

should provide contact information and request letters of recommendation from 3-5 referees to be submitted through AP Recruit. Each letter writer will need to submit their letter via AP Recruit by January 2, 2025.

Competitive applications will include compelling research plans. Evidence of effective mentoring, teaching ability and curriculum development will further strengthen applications.

Review of applications will commence on January 2, 2025 and proceed until position is filled. For full consideration, applicants should submit their complete applications prior to the above date.

For more information about this position, please contact Professor Jessica Purcell, Chair of the Search Committee, Department of Entomology, at mailto:jessica.purcell@ucr.edu. For questions on application procedures and requirements, please contact Ashleigh Bennett, Academic Personnel, at mailto:ashleigh.bennett@ucr.edu.

The University of California, Riverside is a world-class research

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UCalifornia SantaBarbara TerrestrialClimateAdaptation

LINK: https://recruit.ap.ucsb.edu/JPF02500 Position overview Position title: Assistant Professor Salary range: A reasonable estimate for this position is $105,000 - $155,000. Applicants who currently hold a senate faculty position at another UC campus should be aware of the policies governing intercampus faculty hiring & transfers. These policies can be found at UCOP APM 510-18. Percent time: 100% Anticipated start: July 1, 2025 Application Window Open date: September 24, 2024

Next review date: Friday, Nov 1, 2024 at 11:59pm (Pacific Time) Apply by this date to ensure full consideration by the committee.

Final date: Monday, Jun 30, 2025 at 11:59pm (Pacific Time) Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description The Department of Ecology, Evolution, and Marine Biology of the University of California Santa Barbara invites applications for a tenure-track position as Assistant Professor of Terrestrial Global Change Biology with an anticipated start date of 1 July 2025. The department is looking for creative individuals with expertise in any aspect of global change biology working in terrestrial ecosystems. 'Global change biology' is the fundamentally interdisciplinary field of studying how organisms, communities, and/or ecosystems respond to human pressures (e.g., climate change, overharvesting, pollution, biological invasions, etc.). We seek a colleague who uses any combination of laboratory, fieldwork, or theoretical approaches.

Responsibilities of faculty members include teaching at undergraduate and/or graduate levels, recruitment, supervision, and mentorship of graduate students, participation in university service and professional activities, and the development of an externally-funded and broadly-recognized research program. Successful candidates will have a record of collaborative research, and will be able to leverage synergies within EEMB and the UCSB campus. Our department is highly collaborative with numerous projects spanning multiple disciplines and departments, including two NSF-funded LTER sites as well as the UC Natural Reserve System. We seek a colleague who will contribute to this collegiality and collaboration.

The EEMB department and the University of California seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the people of California. UC Santa Barbara is a Hispanic-Serving Institution (HSI), an Asian American and Native American Pacific Islander Serving Institution (AANAPISI), and 40% of UCSB's undergraduate student body are first-generation college students. We invite candidates who understand the systemic barriers facing individuals from underrepresented groups in STEM and who will leverage evidence-based teaching strategies and enable diverse research opportunities to provide equitable opportunities and promote diversity and inclusion across educational environments.

The University is especially interested in candidates who can contribute to the diversity and excellence of the academic community through teaching, research, and service as appropriate to the position.

Qualifications Basic qualifications (required at time of application) A Ph.D. in Ecology, Evolution, Biology, Environmental Science, or a related discipline is required at the time of application.

Preferred qualifications Candidates should have at least one term of teaching experience. Candidates should have at least two first-author publications in relevant journals.

Application Requirements Document requirements Curriculum Vitae - Please submit a complete CV including full publication, funding, teaching, and mentorship records.

Cover Letter - Cover letter expressing interest in the position and strengths you would bring to the department.

Statement of Research - Describe your top research contributions, as well as your vision for your future research in terrestrial global change biology at UCSB (2 pages).

Statement of Teaching - Describe your pedagogical values and methods, your record of teaching (as teaching assistant or lecturer) and mentoring, and what courses (undergraduate & graduate) you might teach at UCSB (1-2 pages).

Statement of Contributions to Diversity - Describe how your experiences, approach to science and/or teaching and/or mentorship, or other activities would contribute to equity and diversity at UCSB (1 page).

Representative Publication 1 - Submit 3 publications that best highlight the impact of your contributions to the field

Representative Publication 2

Representative Publication 3

Reference requirements 3-5 letters of reference required Applicants should provide the names and contact information of at least 3 references, and must request letters of references within the UC Recruit system in order to complete application requirements.

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UCL London EvolutionMemoryDrosophila

We are looking for a postdoctoral researcher to join the research group of Prof Elli Leadbeater at UCL (University College London), working on the evolution of memory using fruit fly models. Full details of the position and how to apply can be found here: https://www.ucl.ac.uk/work-at-ucl/search-ucl-jobs/details?jobId=28060&jobTitle=Research+Fellow About us Biosciences is one of the world's foremost centres for research and teaching in the biological sciences and one of the largest Divisions within UCL, undertaking a significant amount of research and teaching. The Division has a diverse portfolio addressing all areas of biology from protein interactions to cell function, organism development, genetics, population studies and the environment. Computational modelling approaches are frequently used alongside experimental research programmes and much of our research crosses traditional boundaries, including the relationship of biodiversity to the health of the planet. Activity is underpinned by high calibre science technology platforms and state of the art equipment. Educational activity includes a range of undergraduate programmes, an expanding number of Masters Programmes and a substantial number of postgraduate research students.

This is an exciting opportunity to join an international team of researchers on a successful ERC proposal that is funded under the UK Horizon Europe Guarantee, led by Professor Elli Leadbeater. The project focuses on the evolution of memory.

The research fellow will primarily be based at UCL's Bloomsbury campus but will also be part of the People and Nature Lab on the new UCL East campus. The People and Nature Lab is a collaborative group of researchers addressing the intersection between biodiversity, technology, the built environment and society to create new ways for societies and nature to sustainably coexist.

About the role The main purpose of this position is to lead an axis of the research project that involves experimental evolution of memory in Drosophila models. Your role will be to design, set up and run experimental evolution experiments involving behavioural assays and fitness assays. You will also perform pilot experiments with mutant lines. You will have responsibility for managing all aspects of the fly-based experimental work, working closely with a dedicated project technician, and reporting directly to the project's Principle Investigator Professor Elli Leadbeater. You will work closely with other researchers on the same grant who are working with bumblebee models, with other research groups working with Drosophila at UCL, and with our collaborator Dr Hrvoje Augustin at Royal Holloway University of London.

This role is an open-ended contract funded for three

years from the start date, in the first instance.

Appointment at Grade 7 is dependent upon having been awarded a PhD; if this is not the case, initial appointment will be at Grade 6B with payment at Grade 7 being backdated to the date of final submission of the PhD Thesis.

This appointment is subject to UCL's Terms and Conditions of Service for Research and Professional Services Staff. Please visit https://www.ucl.ac.uk/-human-resources/conditions-service-research-teaching-and-professional-services-staff for more information.

Interviews will take place in late November 2024. The start date is flexible but should not be after June 2024.

If you have any queries about the role, please contact Professor Elli Leadbeater: ellouise.leadbeater@ucl.ac.uk If you need reasonable adjustments or a more accessible format to apply for this job online or have any queries about the application process, please contact Biosciences staffing at biosciences.staffing@ucl.ac.uk.

About you The successful candidate must hold or be about to submit a PhD degree in a relevant area, and have significant experience in the field of evolutionary ecology, behavioural ecology or behavioural neuroscience. Experience of empirical lab-based work with captive insects is essential, and previous experience with Drosophila and/or with experimental evolution protocols would be a significant advantage. A good knowledge of the relevant literature on animal cognition is desirable, as is proficiency in the application of appropriate ecological statistics (e.g. in R).

The project involves a small component of field-based sampling in the UK, and so a driving license is desirable, but we will consider applicants without. The successful candidate will have a strong publication record appropriate to their career stage, experience of supervising students, and be able to evidence excellent communication skills. They will be enthusiastic about working with a diverse range of researchers,

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UCopenhagen OriginOfLife

Tenure Track Assistant Professor of Origin of Life Research

The Globe Institute at the University of Copenhagen invites applications for a tenure track assistant professorship in Origin of Life research at the Centre for Star and Planet Formation.

The successful candidate is expected to lead original scientific research into addressing fundamental questions in the origin of life and/or the connection between the metabolism of a young biosphere and the early planetary conditions. It is an important requirement that the candidate's research profile complements our existing research groups at StarPlan who focus on understanding planet formation, planetary composition, and the volatile budgets of rocky planets. We further expect candidates to have a strong interest in multidisciplinary approaches to the origin of life that span several disciplines at StarPlan and/or Globe Institute (such as biology, chemistry, geology, geochemistry, cosmochemistry and planetary astrophysics). A start-up package will be provided

For inquiries, please contact Anders Johansen (anders.johansen@sund.ku.dk)

Apply here:https://employment.ku.dk/tenure-track/?show=162153 Anders Johansen <anders.johansen@sund.ku.dk>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

UGeorgia TeachingEvolutionaryBiology

The University of Georgia (UGA) Division of Biological Sciences (biosciences.uga.edu) welcomes applications for a full-time LECTURER to teach Introductory Biology. The new faculty member will join a team of enthusiastic and collaborative educators dedicated to improving undergraduate biology education through the use of

active and innovative approaches. This position is a 9-month, non-tenure track, instructional appointment. This position begins August 1, 2025.

Responsibilities include instruction of three large-enrollment sections of introductory biology each semester. Primary assignment will be in Principles of Biology I and II for science majors (BIOL 1107 and BIOL 1108). Fundamental themes of biology and biological organization including cellular/molecular biology, genetics, organismal biology, physiology, ecology, and evolution are addressed in this sequence. The courses are organized and taught according to best practices outlined in the AAAS's Vision and Change in Undergraduate Biology Education Initiative.

The successful candidate will join a vibrant, dynamic, and forward-thinking group of faculty engaged in undergraduate biology instruction across life science departments, including several faculty who specialize in biology education research. The University of Georgia is also home to the SEER Center (Scientists Engaged in Education Research), which supports collaborations among scientists and educators across campus to improve undergraduate STEM instruction. Opportunities for professional development are available.

Applicants should submit the following materials: 1) Cover letter indicating suitability for the position 2) Resume/CV 3) 1- to 2-page Teaching Statement that addresses how the applicant incorporates the National Academy/AAAS "Vision and Change" core concepts and competencies in their teaching to students with highly varied backgrounds and a wide range of prior experience as reflected by the UGA student body. 4) List of three professional references and their contact information who are prepared to write letters of recommendation.

Review of applications will begin on December 1, 2024 and continue until filled. All applications received by January 2, 2025 will receive full consideration, but the position is open until filled. Questions may be addressed to the search committee Chair, Dr. Carrie Pucko (cpucko@uga.edu).

The full job description and application instructions are available at https://-www.ugajobsearch.com/postings/403158 Megan Demarche <Megan.DeMarche@uga.edu>

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UHelsinki CuratorPlantSystematics

University of Helsinki/Curator in Plant Systematics

The Finnish Museum of Natural History (Luomus) invites applications for a five-year position as

Curator of Vascular Plants

The role will commence no earlier than 1 Feb 2025, with the start date negotiable. The selected candidate will join the Vascular Plants Team within the Botany and Mycology Unit at Luomus, contributing significantly to the institution's research programs. After the initial five-year period has ended, there is a possibility that the position may become permanent.

The Vascular Plants Team is tasked with managing herbarium collections of vascular plants and algae, which include approximately 1.8 million specimens. The team also oversees living plant collections and a seed bank for endangered species and is involved in updating databases and participating in the Finnish Biodiversity Information Facility. The team consists of twelve permanent employees, including five academic positions.

About the position We are seeking a dedicated Plant Systematist, Taxonomist, or Conservation Biologist to undertake high-quality, collection-based research on vascular plants in close collaboration with the rest of the team. The ideal candidate will possess a robust understanding of scientific methodologies, such as museomics, and herbarium techniques, with the ability to conduct independent research.

Responsibilities include:

- Joint curation of the vascular plant herbarium alongside the senior curator and other herbarium staff - Enhancing the collection management system and the curation of living collections at the Kaisaniemi and Kumpula Botanic Gardens - Teaching university courses on Bachelor level (up to 5% of work time) and Supervising MSc and PhD students - Actively seeking external funding, leading a research group, and supervising its members - Engaging in international collaborations and community outreach related to the field.

Qualifications The applicant must hold a doctoral degree, demonstrate experience in scientific research, and possess necessary teaching skills. Leadership abilities and experience in acquiring external research funding are essential. Experience with scientific collections, de-

velopment of collection infrastructure, and university teaching are highly valued. Proficiency in Finnish and English is required, however, allowances regarding language proficiency are made for international applicants.

What do we offer? This fixed-term position includes a 6-month trial period. The salary is based on level 6-7 of the Finnish universities' salary scheme for teaching and research personnel. In addition, the appointee will be paid a salary component based on personal work performance. Thus, the gross monthly salary will range from ?4,100 to ?5,050, depending on the appointee's qualifications and experience.

In addition to the research and infrastructure funding possibilities offered by the national and international sources, Luomus also has Occasionally had funding available for Networking and small starter Grants for research (ie, trigger/seed funding).

According to the bi-annual well-being at work survey, we are a healthy work community where people feel safe and enjoy their work and the working environment. We value coaching leadership, and our team highly appreciates conversational and interactive teamwork.

The University of Helsinki offers comprehensive services to its employees, including preventive Occupational health services and general medical care, sports facilities, and opportunities for professional development. For further information please check staff benefits and read more about why the University of Helsinki is an excellent career choice . Luomus is an equal opportunity workplace committed to advance well-being and diversity and promote gender equality in science and education. We welcome applicants from a variety of genders, linguistic and cultural backgrounds, and minorities.

The appointee is expected to reside in Finland while employed by the University of Helsinki. The University assists employees from abroad with their transition to work and life in Finland. Finland is a very family-friendly country with generous parental leaves, very affordable state-subsidized Daycare that is available for all children, as well as world-renowned free primary education and public healthcare. Finland has also been nominated as the happiest country in the world seven times in a row.

How to apply Candidates' are requested to submit a single PDF file in English containing:

Researcher's CV. Please follow these instructions: TENK . List of Publications Motivation letter, including a brief outline on their future research plans (in total max. 3 pages)

The application, together with the required attachments, must be submitted through the University of Helsinki electronic recruitment system by 23.10.2024 . Employees of the University of Helsinki must submit their

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UIllinois Chicago Genetics

Tenure Track Assistant Professor position in Genetics/Epigenetics- The Department of Biological Sciences, University of Illinois at Chicago

Hiring Department: Biological Sciences Location: Chicago, IL USA Requisition ID: 1027991 Posting Close Date: December 16, 2024 Link to Apply: https://uic.csod.com/ux/ats/careersite/1/home/requisition/12237?c=uic The Department of Biological Sciences at the University of Illinois at Chicago invites applications for a tenure-track Assistant Professor in Genetics/Epigenetics. We seek candidates who utilize any combination of molecular, genetic, and cellular approaches to examine questions concerning genetic and epigenetic mechanisms in systems ranging from eukaryotic microbes to plants and animals. Areas of interest are broad and include but are not limited to fundamental aspects of genetic/epigenetic regulation, genome evolution, genome stability and repair, as well as genetic/epigenetic approaches to questions underlying organismal development, gene-environment interactions, and/or host-pathogen interactions/immunity. All scales of analysis and research will be considered. The successful candidate will be expected to establish a vigorous, externally funded research program. Commitment to teaching excellence in the graduate and undergraduate programs is expected. Teaching duties will include instruction on the undergraduate and graduate levels with exact courses to be determined.

Located in the heart of one of the world's great cities, the University of Illinois at Chicago (UIC) is the city's only Carnegie Research 1 public university. UIC is federally recognized as a Minority Serving Institution (MSI) through its status as an Asian American and Native American Pacific Islander Serving Institution (AANAPISI) and a Hispanic-Serving Institution (HIS). The Department of Biological Sciences, which resides in

the College of Liberal Arts and Sciences, has research strengths in Ecology and Evolution; Molecular, Cell and Developmental Biology; and Neurobiology. The department currently has 30 tenure-line faculty and 12 non-tenure track faculty, >2400 undergraduate majors and over 105 graduate students. See http://bios.uic.edu/ for more information.

The Department of Biological Sciences, part of the College of Liberal Arts and Sciences, offers the largest biology-related program at UIC. Faculty members have broad research interests, with strengths in neurobiology, cell biology, developmental biology, and genetics, utilizing model organisms such as mice, Drosophila, C. elegans, yeast, and other fungi. The department fosters a vibrant, collaborative community, partnering with institutions like the University of Chicago, Northwestern University, Rush Medical College, the Chicago Field Museum, and other local organizations. Recruitment includes a generous start-up package, modern research facilities, extensive shared equipment, and access to various state-of-the-art CORE facilities (https://-rrc.uic.edu/cores/).

The candidate must have a PhD degree, with relevant postdoctoral experience and a demonstrated record of research accomplishments.

For full consideration, please complete an on-line application, with the following items:

Cover letter outlining applicant qualifications Full curriculum vita Summary of future research plans Teaching statement Names and contact information (including email addresses) for at least 3 references

Applications should be submitted at: https://-jobs.uic.edu by December 16, 2024. Review of applications will begin on December 17, 2024, and continue until the position is filled.

Final authorization of the position is subject to availability of funding.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We are committed to equal employment opportunity regardless of race, color, national origin, sex, religion, age, sexual orientation, gender identity, Veteran or disability status.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

UKansas LabTech FlyComplexTraits

A research assistant / lab technician position is available in my lab at KU to work on projects examining the genetic analysis of complex traits in flies. The position will involve both fly work and molecular biology (including approaches using high-throughput sequencing). Experience with flies would be a plus, but isn't required. The formal announcement, and links to the institutional employment website are provided below. Feel free to email me with any questions. Stuart Macdonald (sjmac@ku.edu)

Position Overview: An assistant researcher position is available in the Macdonald lab in the Department of Molecular Biosciences at the University of Kansas (https://molecularbiosciences.ku.edu/people/-stuart-j-macdonald). We explore the genetic basis of complex trait variation using the fruit fly Drosophila as a model system, working on a range of traits from resistance to toxic compounds to aging. The successful candidate will help maintain fly strains and populations of flies, supervise and carry out large-scale phenotyping screens, and perform various molecular biology tasks, including generating next-generation sequencing libraries for various genomics applications. We are looking for an enthusiastic and organized individual who wants to learn new skills, and has excellent oral and written communication skills. Previous research assistants in the Macdonald group have undertaken independent research projects, been authors on research publications from the lab, and gone onto graduate school or positions in industry. The position is funded through a new multi-year NIH grant and has an anticipated start date of November 4, 2024 (although this is highly flexible/negotiable).

Job Description: 50% - Generate, maintain and use Drosophila strains/populations for genetic analysis.

Examples of the work include stock maintenance, preparing media, carrying out crosses, and assaying strains/populations for phenotypic variation (e.g., stress tolerance). 30% - Carry out a range of molecular biology procedures. Examples of the work include DNA and RNA isolation, PCR, and next generation sequencing library construction (e.g., for RNAseq or whole-genome sequencing). 10% - Perform general lab tasks, including inventory and ordering of supplies, and working with undergraduate students. 10% - Keep accurate and detailed records. Maintain an up-to-date and accurate lab notebook, keep a detailed digital record of all experimental results, and regularly present data/results to Dr. Macdonald.

Required Qualifications: (1) A Bachelor's degree in Biology or a related field. (2) Previous experience with molecular biology techniques (e.g., PCR), as evidenced by application materials. (3) Effective written communications skills as evidenced by application materials.

Preferred Qualifications: (1) Experience with Drosophila husbandry. (2) Significant laboratory experience, including troubleshooting and optimizing protocols. (3) Experience making next generation sequencing libraries (e.g., RNAseq libraries). (4) Prior experience managing large scientific projects, including managing undergraduate assistants.

Application:

For a complete announcement and to apply online, go to employment.ku.edu/staff/29091BR

A complete application includes the following: (1) A cover letter outlining relevant experience and interest in the position, (2) a CV/resume highlighting pertinent experience relative to the required and preferred qualifications, and (3) contact information for three professional references.

Only complete applications will be considered. Informal queries about the position are welcome, and can be directed to Dr. Stuart Macdonald (sjmac@ku.edu, 785-864-5362).

Review of applications will begin on October 14, 2024 and will continue until the position is filled.

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in the university's programs and activities. Retaliation is also prohibited by university policy. The following persons have been designated to handle inquiries regarding the nondiscrimination policies and are the Title IX coordinators for their respective campuses: Director of the Office of Civil Rights & Title IX, civilrights@ku.edu, Room 1082, Dole Human Development Center, 1000 Sunnyside Avenue, Lawrence, KS 66045, 785-864-6414, 711 TTY (for the Lawrence, Edwards, Parsons, Yoder, and Topeka campuses); Director, Equal Opportunity Office, Mail Stop 7004, 4330 Shawnee Mission Parkway, Fairway, KS 66205, 913-588-8011, 711 TTY (for the Wichita, Salina, and Kansas City, Kansas medical center campuses).

Dr. Stuart J Macdonald he, him, his

University of Kansas (785) 864-5362 sjmac@ku.edu

Professor and Associate Chair

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UKansas LabTech PlantMicrobeEvol

The Wagner Lab < http://wagnerlab.ku.edu/ > at the University of Kansas is recruiting an Assistant Researcher to support research related to the genetics and evolution of plant-microbiome interactions. Job responsibilities include (1) technical research support in the lab, greenhouse, and/or field; (2) management of general lab operations; (3) training and supervision of junior team members; and (4) contributing to data analysis and writing of manuscripts for publication.

The salary range for this position is $31,940 to $52,700 commensurate with experience, plus benefits. KU is located in Lawrence, KS, an affordable yet quintessential college town located just outside the Kansas City metro area.

The ideal start date is mid-November but can be flexible for the right candidate. Qualified current undergraduate students planning to graduate this semester should consider applying.

For more details and to apply, please visit employment.ku.edu/staff/29262BR. Questions about the position may be directed to Dr. Maggie Wagner (maggie.r.wagner@ku.edu). Review of applications will begin on November 1st, 2024.

maggie.r.wagner@ku.edu

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UMaryland Two TeachingInsectEvolution

The Department of Entomology at the University of Maryland seeks two full-time, Professional-track (non-tenure) faculty Lecturers to contribute to the undergraduate curriculum in the Biological Sciences Program (BSCI). The positions begin on January 2, 2025. Each appointee will teach 2 undergraduate courses per semester in Introductory Biology, Organismal Biology, and/or Genetics. Each appointee will also be a member of the department's academic advising team. This is a 9-month position with opportunities for separately compensated teaching in summer or winter terms. As a faculty member in the Entomology Department, each appointee will participate in faculty meetings and department and campus service.

To apply, please access the eTerp database posting at https://ejobs.umd.edu/postings/123618 and submit a cover letter, curriculum vitae, teaching philosophy, and names of 3 individuals who we may contact for letters of reference, by Nov. 1, 2024 for best consideration.

Min Qualifications: MS in Biology or related field, some undergraduate teaching experience, some experience with field or lab-based research

Preferences: Ph.D. in Biology or related field, have taught full undergraduate course, training in pedagogy

Salary Range: $85,000-$110,000

Contact Dr. Leslie Pick (lpick@umd.edu) for questions about applying for the position.

Andy Yeh <yeha@umd.edu>

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UMiami MicrobialGenetics

Assistant to Associate Professor Position in Microbial Genetics

The Department of Biology < https://biology.as.miami.edu/ > in the College of Arts and Sciences at the University of Miami invites applications for a tenure-track faculty position in Microbial Genetics to begin August 15, 2025. In addition to being outstanding scientists, applicants must be excellent teachers with strong commitments to undergraduate and graduate education. Applications will be considered at the Assistant Professor and Associate Professor level.

We welcome applications from candidates who would enhance or complement our existing departmental programs in Microbiome Biology & Species Interactions, Biodiversity & Global Change, Tropical Ecology & Evolution, Development & Disease, and Neuroscience & Behavior. We especially encourage candidates working on mechanistic genomic studies of Bacteria, Archaea, or Viruses, applying synthetic biology and genomic engineering tools, and applicants with a track record of interdisciplinary engagement. To be eligible for this tenure-track position, candidates must hold a Ph.D. in Biology or a related field by the start of the appointment and have a strong record of research accomplishments. The successful candidate will be expected to maintain a vigorous, externally funded research program, to teach at both the undergraduate and graduate levels, and be committed to professional engagement that promotes inclusive excellence.

Interested applicants should submit a cover letter describing the interactions they foresee with existing research programs in the Department of Biology or other units at the University of Miami, a curriculum vitae and statements of research and teaching. The University of Miami is a diverse and vibrant workforce and student body; applicants should be prepared to speak to strategies that promote and enhance a sense of belonging amongst diverse constituencies. Application documents should be merged and submitted as a single pdf file online via the UM Careers website: *https://umiami.wd1.myworkdayjobs.com/en-US/UMFaculty/details/College-of-A-S—Biology—FAC—Microbial-Genetics—Assistant-to-Associate-Professor_R100081132 Following initial review of applications, short list candidates will be contacted by email and requested to solicit three letters of recommendation.

To receive full attention, application materials must be received by 1 November 2024. More information about the Department and University can be found at https://www.biology.as.miami.edu. Inquiries should be directed to the Search Chair at: microgen.search@miami.edu

The University of Miami is an Equal Opportu-

nity Employer - Females/Minorities/Protected Veterans/Individuals with Disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories protected by Federal law. Additional information can be found here https://www.hr.miami.edu/careers/eo-ada/index.html . The University of Miami is among the top research universities and academic medical and health centers in the nation, and one of the largest private employers in South Florida. With more than 16,000 faculty and staff, the University strives for excellence and is driven by a powerful mission to transform and impact the lives of its students, patients, members of the community, and people across the globe.

The University is committed to fostering a culture of belonging, where everyone feels valued and has the opportunity to add value. Through values of Diversity, Integrity, Responsibility, Excellence, Compassion, Creativity, and Teamwork (DIRECCT) the U community works together to create an environment driven by purpose, excellence, community, and service.

Michelle E. Afkhami, Ph.D.

Associate Professor & *UM Greenhouse Director* University of Miami Department of Biology Coral Gables, FL *michelleafkhami.wordpress.com she/her/hers

Michelle Afkhami <michelle.afkhami@gmail.com>

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UMontreal Two QuantPopulationGenetics

BECOME AN ASSISTANT PROFESSOR OF POPULATION GENETICS

Position title: Assistant Professor Location: Université de Montréal, Canada Anticipated start: June 1, 2025 Application Deadline: November 1, 2024 APPLICATION LINK: https://rh-carriere-dmz-eng.synchro.umontreal.ca/psc/rhprpr9_car_eng/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS_CG_SEARCH_FL.GBL?Page=HRS_APP_JBPST_FL&Action=U&FOCUS=Applicant&SiteId=3&JobOpeningId=527508&PostingSeq=1& Department Statement

Vibrant, multidisciplinary and innovative, the Faculty of Arts and Science is one of Université de Montréal's largest faculties. Through its 29 departments, schools, centres and institutes, it offers over 300 programs at the undergraduate and graduate levels, some of which are unique in Quebec. It is also home to some 30 interdisciplinary research groups and centres. Every day, its 650-strong faculty is helping shape a better tomorrow by opening up knowledge and promoting the cross-fertilization of different perspectives.

The Department of Biological Sciences brings together research teams committed to training qualified scientists and responsible citizens by engaging in research to advance knowledge and promote quality teaching. The Department comprises experts working in a multidisciplinary context to apprehend and understand all facets of life - animal, plant and microbial - from the molecule to the ecosystem and to promote a sustainable environment for future generations. â€The selected candidate will be located at the Science Complex on the MIL Campus.

Your day-to-day impact

Through your teaching and your research activities, you will play a pivotal role in fostering excellence within your faculty. Furthermore, you will enhance the prominence of your area of expertise and actively participate in the daily activities of our renowned university. In this role, your responsibilities will include:â€

- Develop an innovative and internationally competitive research program in population genetics which aligns with the research themes of the Department of Biological Sciences; - Teach at the undergraduate and graduate levels and supervise graduate students; - Contribute to the operation and development of the Department of Biological Sciences, the Faculty of Arts and Science and the Université de Montréal through contributions to committees and working groups; - Participate in the dissemination of knowledge and in the outreach of the University through conferences, publications and scientific activities.

What you'll need to succeed

- Hold a PhD in biological sciences or related discipline; - An excellent publication record in the field of population genetics; - Demonstrate potential to develop internal, national and international collaborations; - Demonstrate the ability to provide high-quality university teaching and supervising students; - **Adequate proficiency in the French language or a strong commitment to mastering the proficiency level required upon assuming the position in accordance to Université de Montréal's Language Policy. A French language learning assistance program is offered to all professors who wish to acquire French language skills or enhance their communication

abilities.â€**

Additional information about the position

- A competitive salary combined with a comprehensive range of benefitsâ€ - An expected start date of June 1st, 2025.â€ - Located at Science Pavillon on Campus MILâ€â€

Application process

Your application must include the following documents before the November 1st 2024 deadline.â€ - A cover letter (maximum of two pages) and resumeâ€â€â€ - Three publications or recent research worksâ€ - A teaching statement (one page)â€ - A statement of current and prospective research interests (maximum of two pages)â€â€ - At least three reference lettersâ€(Please provide the list of referents when submitting your application).

Contact details for reference letters:

Annie Angers Biological Sciences Department Email : direction@biol.umontreal.ca Université de Montréal's application process allows all members of the Professor's Assembly to review the application files submitted. If you wish to keep your application confidential until the shortlist is established, please mention it in your application.â€

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BECOME AN ASSISTANT PROFESSOR IN QUANTITATIVE GENETICS

Position title: Assistant Professor Location: Université de Montréal, Canada Anticipated start: June 1, 2025 Application Deadline: November 1, 2024 APPLICATION LINK:

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UNorthCarolina Wilmington AvianEvolution

Assistant Professor - Vertebrate Biology/Ornithology

The Department of Biology and Marine Biology at The University of North Carolina Wilmington (UNCW) invites applications for a 9-month tenure track Assistant Professor position in Vertebrate Biology beginning August 2025.

The ideal candidate will be able to complement existing disciplinary strengths, develop research in regional habitats, leverage departmental facilities including an extensive natural history collection, and contribute to departmental, university, and other professional service. They will also be expected to develop and maintain a rigorous, extramurally funded research program that provides opportunities for graduate and undergraduate students, and other research team positions (such as post-doctoral researchers) as appropriate. The successful candidate will be expected to contribute to the Department's teaching mission at both the graduate and undergraduate level in ornithology and vertebrate biology, and other courses as determined by candidate interests and departmental needs. We value candidates that are able to foster a diverse and welcoming environment for students, staff, faculty, and community members.

The Department of Biology and Marine Biology has an excellent record of faculty development and mentorship and is committed to new faculty success as we continue to grow our strategic research and teaching mission.

Complete job announcement here: https://-jobs.uncw.edu/postings/33994 Darin S. Penneys Associate Professor Department of Biology and Marine Biology University of North Carolina Wilmington 601 S. College Rd. Wilmington, NC 28403 Office: 910.962.3046 https://sites.google.com/view/penneys-lab/home "Penneys, Darin" <penneysd@uncw.edu>

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UOklahoma Biodiversity

Dear friends and colleagues,

I hope this message finds you well (and please pardon the cross-posting)! We are recruiting a Director / Tenured Professor (associate or full professor level) at the Oklahoma Biological Survey a research department at the University of Oklahoma as well as our state agency for the generation, collation, and translational application of biodiversity information within the state. The search is now open, and the committee will begin reviewing applications on *November 15, 2024 *(though the position will be open until filled).

Please apply at the link below; the link also includes all the relevant information for the position: https://-/apply.interfolio.com/155536 I would greatly appreciate your sharing this opportunity with your network! Thanks in advance!

Dr. Keng-Lou James Hung, Assistant Professor

Oklahoma Natural Heritage Inventory & Oklahoma Biological Survey

The University of Oklahoma

111 East Chesapeake St., Norman, OK 73019, USA

Email: kljhung@ou.edu

https://www.ou.edu/cas/biology/people/faculty/-James-Hung he|him|his

Keng-Lou James Hung <kenglou.hung@gmail.com>

UOklahoma EvolutionaryBiostats

Position Details Basic Information Position Title Assistant/Associate Professor of Biological Sciences - Biological Statistics, Renewable Term Location University of Oklahoma, Norman Campus Position Type Faculty Position URL apply.interfolio.com/154738 Position Description Description: The School of Biological Sciences < https://www.ou.edu/cas/sbs > (SBS) at the University of Oklahoma (OU) invites applications for a Ranked Five-Year Renewable Term appointment at the rank of Assistant or Associate Professor with a start date of Fall 2025 (https://apps.hr.ou.edu/FacultyHandbook/-Default.aspx).

We seek an innovative, creative and collaborative biologist who will spearhead development of our undergraduate statistics training and work with colleagues and students towards implementing our newly redesigned curriculum and furthering OU's Lead On Strategic Plan < https://www.ou.edu/leadon >.

The ideal candidate will provide innovative and modern statistics training for our students, including revamping a Quantitative Biology course central to all four tracks of our newly revised undergraduate curriculum: Ecology, Evolution, and Organismal Biology (EEOB); Molecular, Cellular, and Developmental Biology (MCDB); Microbiology (MBIO); and Integrative Biological Systems (IBIS). The SBS trains a large number of majors. We are especially interested in scholars who use innovative techniques in teaching statistics to a broad community of students.

The successful candidate will be expected to teach a 3:3 equivalency course load in the School of Biological Sciences. For additional details, please visit https://-www.ou.edu/cas/sbs . The successful candidate may conduct some research, including but not limited to educational research and/or research into the Science of Teaching and Learning (SoTL), but this is not a requirement. Expertise in Discipline-based Educational Research and/or connections to one or more of the four SBS research initiatives, "Ecology of Changing Planet," "Biological Foundations of One Health," "Mechanisms of Biodiversity," or "Behaviors: From Molecules to Ecosystems" (more information online: https://www.ou.edu/-cas/sbs/research-themes) is desirable. We invite individuals who would like to be part of a collaborative group of researchers to apply for this faculty position.

University of Oklahoma OU invests in its faculty by providing support and resources through the Center for Faculty Excellence < https://www.ou.edu/cfe > and Vice President for Research and Partnerships Office < https://www.ou.edu/research-norman >. The Dodge Family College of Arts and Sciences supports faculty development through mentoring, new faculty orientation series, and access to research and educational supports. The University of Oklahoma (OU) is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic, and healthcare needs of the state, region, and nation from three campuses: Norman, Health Sciences Center in Oklahoma City and the Schusterman Center in Tulsa. OU enrolls over 32,000 students and has more than 2,700 full-time faculty members in 21 colleges.

The Norman Community Norman is a vibrant university town of more than 130,000 inhabitants with a growing entertainment and art scene. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender in "best place to live" rankings. Visit http://soonerway.ou.edu for more information. Within an easy commute, Oklahoma City features a dynamic economy and outstanding cultural venues adding to the region's growing appeal.

Qualifications Required Qualifications: - Ph.D. in Biology, or related field in hand by start date - Experience in teaching and course development for university undergraduates - Established record of research and publications - Familiarity with effective teaching practices and mentoring approaches that support students from a wide range of backgrounds - Commitment to teaching

undergraduate courses that engage students in statistics

Preferred Qualifications: - Demonstrated teaching record and experience teaching statistics - Software/coding expertise (e.g., in R) - Expertise in statistics, or related fields

Application Instructions Applicants should submit 1) a cover letter describing their interest in the position and their fit with the SBS research themes; 2) a full curriculum vitae; 3) a detailed teaching plan describing their approach

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USouthAlabama MolecularEvolution

The University of South Alabama Department of Biology seeks applications for a full-time (9-month) tenure-track Assistant Professor position with expertise in cellular and/or molecular biology, starting August 15, 2025. Applicants should possess an earned doctoral degree in Biology, Cell Biology, Molecular Biology, or a closely related field. The research area is open, but skills in computational, modeling, or big data analytical approaches are a plus. We seek applicants with a track record of research productivity, evidenced by a strong publication record and the potential to attract external research funding consistent with the University's status as an R2 research institution and the Flagship of the Gulf Coast. Likewise, we seek applicants with a strong commitment to student-centered instruction and evidence-based teaching methods and a strong commitment to student mentoring, advising, and other departmental service activities. The successful candidate will be able to teach existing courses, with a strong preference for those able to contribute to our core courses in Cell Biology and/or Genetics. Development of new skills-based curricula in the candidate's specialty area for undergraduate and/or graduate students is desirable.

The successful candidate will develop an extramurally funded research program in her or his area of expertise that incorporates undergraduate and graduate students. Research will be supported by institutional start-up funds, and USA faculty are uniquely eligible for multiple early-career funding opportunities, including NSF-EPSCoR and NSF Building Research Capacity in Biology awards (BRC-BIO).

The Department of Biology is currently the top major in the College of Arts and Sciences at the University of South Alabama. Our award-winning faculty blend excellence in research and teaching with a strong emphasis on student mentorship and training. Our students have high rates of acceptance into professional and graduate schools and ultimately find jobs in their target careers. To learn more about the Department of Biology, our Vision, and Mission, please see our website: https://www.southalabama.edu/colleges/artsandsci/biology/mission.html. The department offers both B.S. and M.S. degree programs in Biology. Faculty are also able to recruit Ph.D. students through the Stokes School of Marine and Environmental Science.

The University of South Alabama is located in Mobile, Alabama's oldest city and a key Gulf Coast port. Located close to the white-sand beaches of Dauphin Island and Orange Beach, Mobile has a subtropical climate supporting year-round out outdoor activities. The Mobile-Tensaw Delta is the second largest delta in the contiguous U.S. and a National Natural Landmark with a complex network of more than 200,000 acres of tidally influenced rivers, creeks, bays, lakes, wetlands, and bayous hosting fish, birds, and other wildlife. Mobile has a rich cultural heritage of French, Spanish, British, Creole, Greek, and African heritages visible in the diverse cuisine of fresh-caught seafood, soul food, and a farm-to-table movement, offering fresh, local ingredients. Mobile also boasts a centuries-old Mardi Gras tradition with a season full of parties, balls, and parades.

To apply, email a single pdf file that includes (1) cover letter (1-2 pages), (2) curriculum vitae, (3) statement of teaching philosophy (2 pages), (4) statement of research goals (3 pages), (5) unofficial transcripts, and (6) the contact information for three professional references, to the search chair Jonathan Pérez (jhperez@southalabama.edu). Official transcripts and letters of recommendation will only be requested for candidates who are invited for an on-campus interview.

Review of applications will begin November 5, 2024, and continue until the position is filled. Questions regarding the position or the department can be directed to the search chair Dr. Jonathan Pérez (jhperez@southalabama.edu).

The University of South Alabama is an Equal Opportunity Employer and does not discriminate on the basis of race, color, national origin, sex, pregnancy, sexual orientation, gender identity, gender expression, religion, age, genetic information, disability, protected veteran

status or any other applicable legally protected basis.

Jason Strickland, Ph.D. (He/Him/His) Assistant Chair and Assistant Professor, Department of Biology Adjunct Assistant Professor, Department of Microbiology and Immunology University of South Alabama Earth and Life Sciences Building Room 222 (ELSB 222) 5871 USA Dr. N Mobile, AL 36688 Office: 251-460-7310 @ssstting_lab < https://www.instagram.com/ssstting_lab/ > on Instagram

Jason Strickland <jasonstrickland@southalabama.edu>

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USouthCarolina MicrobialEcolEvolution

Department of Biological Sciences Tenure-Track Assistant Professor in Microbial Ecology UNIVERSITY OF SOUTH CAROLINA

The faculty of the Department of Biological Sciences at the University of South Carolina (USC), Columbia campus, invites applications for a 9-month, full time, tenure-track Assistant Professor position in Microbial Ecology to begin August 16, 2025. Candidates must have a Ph. D. in Biology or related discipline and must have at least two years of post-doctoral experience by the start date of employment and a strong record of publications in a relevant area of microbial ecology.

The successful candidate is expected to establish and maintain an extramurally funded research program in areas including but not limited to bacterial ecology, bacteria-viral interactions, infectious diseases, microbial symbioses, environmental microbiology, host-microbe interactions and microbial evolution. We are interested in applicants who will stimulate exciting new collaborations and complement existing research strengths in bacteriology, virology, infectious disease dynamics, host-microbe interactions, marine microbial communities, population and community ecology, and experimental microbial evolution. Along with the research expectation, the successful candidate will teach undergraduate and graduate courses in their area of expertise and will mentor research by undergraduate and graduate students.

The broad diversity of our department provides opportunities to interact with multiple research groups within Biological Sciences as well as in departments and schools across the USC campus. Additional information on the Department of Biological Sciences can be found at http://www.biol.sc.edu . At the University of South Carolina, we strive to cultivate an inclusive environment that is open, welcoming, and supportive of individuals of all backgrounds. We recognize diversity in our workforce is essential to providing academic excellence and critical to our sustainability. The University is committed to eliminating barriers created by institutional discrimination through accountability and continuous process improvement. We celebrate the diverse voices, perspectives, and experiences of our employees.

How to Apply

Interested applicants must apply online via https://uscjobs.sc.edu/postings/176806. Applications must include: (1) a cover letter describing their research and teaching interests, (2) a curriculum vitae, (3) a statement of research accomplishments and goals (3 pages), (4) a teaching/mentoring statement (1 page), and (5) the names, email addresses, and telephone numbers of at least three references. Letters of reference will be requested by the search committee directly from the references by email.

Review of applications will begin November 20, 2024 until the position is filled. Inquiries about this position may be directed to Dr. Bert Ely, search committee chair at ELY@biol.sc.edu (put “Microbial Ecology Search” in the subject title).

The University of South Carolina is an Affirmative Action/Equal Opportunity Institution. Women, minorities, protected veterans, and individuals with disabilities are encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of age, ancestry, citizenship status, color, disability, ethnicity, familial status, gender, genetics, HIV/AIDs status, military status, national origin, race, religion, sex, veteran status, or any other bases under federal, state, local law, or regulations.

Jeffry L. Dudycha Professor Dept. of Biological Sciences University of South Carolina Columbia, SC 29208 dudycha [at] biol.sc.edu http://www.tangledbank.org tw: JLDudycha

DUDYCHA@biol.sc.edu

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UWisconsin ClimateChangeAdaptation

Assistant Professor in Global Change Biology, University of Wisconsin-Madison

The Departments of Integrative Biology and Botany are seeking candidates for a tenure-track faculty position in Climate Change Ecology. The selected candidate will mount a vigorous research program while making significant contributions to the teaching mission of the Departments of Integrative Biology and Botany. We aim to hire an ecologist who studies the consequences of climate change, including mechanisms that underpin ecological transformation, and who advances approaches for mitigating undesirable outcomes or adapting to future climate conditions. The selected candidate will be a biologist/ecologist working in terrestrial or aquatic environments with background in one or more of the following areas: landscape ecology; macroecology; landscape-level conservation; biogeochemistry; and ecosystem ecology, management, or resilience. Beyond their disciplinary expertise, candidates should be interested in interdisciplinary collaborations aimed at developing climate change solutions. The ability to integrate empirical data collection with simulation/process-based modeling in their research is desirable.

The successful candidate will advance the educational mission of the College of Letters & Science, that values, prioritizes, and actualizes evidence-based and student-centered teaching and mentoring. They will contribute to an inclusive, fair, and equitable environment that fosters engagement and a sense of belonging for faculty, staff, students and members of the broader community.

Responsibilities:

Successful applicants will teach graduate and undergraduate classes, mentor students, conduct scholarly research, and provide service to the department, college, university, and academic community nationally or internationally. The successful candidate, as a member of the College of Letters & Science, will proactively contribute to, support, and advance the college's commitment to equity among all aspects of their teaching, mentoring, research, and service. The successful candidate will participate in interdisciplinary and collaborative efforts with other departments, schools and colleges.

Institutional Statement on Diversity:

Diversity is a source of strength, creativity, and innovation for UW-Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals.

The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background - people who as students, faculty, and staff serve Wisconsin and the world.

Anticipated Begin Date: AUGUST 18, 2025

Additional Information: UW-Madison is highly rated in the fields of Ecology and Environmental Sciences. The departments of Integrative Biology and Botany are multidisciplinary and offer a dynamic and collaborative environment. The approximately 45 faculty in these two closely aligned departments lead research programs that range in scales of biological organization from cells to ecosystems. We seek someone who complements existing research strengths in these departments and at University of Wisconsin-Madison.

This position is part of the Wisconsin Research, Innovation and Scholarly Excellence (RISE) Initiative. Through accelerated and strategic faculty hiring, research infrastructure enhancement, interdisciplinary collaboration, and increased student and educational opportunities, RISE addresses complex societal challenges of importance to the state, nation and world. Building on UW-Madison's strengths, RISE expands the University's successful track record of connecting with communities and industry on collaborative solutions.

Over the next three academic years, UW-Madison will substantially increase current hiring levels, bringing 150 new RISE faculty to campus. Candidates hired through RISE will join a community of scholars working across disciplines, schools and colleges on research, teaching and outreach endeavors. The community will engage regularly in venues such as seminar series and colloquia to share ongoing projects and identify opportunities to work together. The University will support the community, facilitating access to research infrastructure, and funding to support broad and rich collaboration. Further information regarding RISE can be found at: https://rise.wisc.edu/ The College of Letters & Science is committed to creating an inclusive environment in which all of us - students, staff, and faculty - can thrive. Ours is a community in which we all are welcome. Most importantly, we strive to build a community in which all of us feel a great sense of

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UWisconsin Madison BotanicalEvolution

The Department of Botany in the College of Letters & Science at the University of Wisconsin-Madison seeks applicants for as many as three tenure-track or tenured professors in the areas of evolution, systematics, and/or ecology. Candidates' research accomplishments and aims should show evidence of originality and innovation in addressing significant questions in the ecology and/or evolution of plants, algae, or fungi. We are particularly interested in candidates who employ innovative approaches to investigate fundamental and significant questions through the integration of field, experimental, theoretical, data science, and/or genomic approaches. Candidates will be expected to build a vigorous, impactful research program, to contribute through high-quality teaching, mentoring, and outreach, and to advance the college's commitment to access, inclusion, and belonging. For full consideration, applicants should apply by Nov. 15, 2024 via jobs.wisc.edu for Assistant Professor of Botany (PVL 306526 < https://jobs.wisc.edu/jobs/-professor-of-botany-madison-wisconsin-united-states >) or Associate/Full Professor of Botany (PVL 306536 < https://jobs.wisc.edu/jobs/professor-of-botany-madison-wisconsin-united-states-28171747-0b4d-46a1-9acb-c12896b4c89e >).

David Baum <dbaum@wisc.edu>

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VirginiaCommonwealthU TeachingBioinformatics

The Center for Biological Data Science (https://-cbds.vcu.edu) at Virginia Commonwealth University invites applications for a faculty position at the rank of Assistant Professor (non-tenure eligible) in Bioinformatics/Data Science whose expertise in bioinformatics will contribute to the teaching and service missions of the program. The anticipated start date will be August 2025.

Virginia Commonwealth University (VCU) is a premier urban, public research university with a diverse student body in historic Richmond, Virginia. VCU enrolls more than 28,000 students. The Center for Biological Data Science is a Chartered Research Center and focal point for bioinformatics instruction at VCU. The Center consists of 12 full-time, affiliate, and adjunct faculty and staff. The unit administers several academic programs, including a Bachelor of Science in Bioinformatics and Masters degree programs for thesis (MS in Bioinformatics) and non-thesis (Professional MS in Bioinformatics) seeking students.

Position Responsibilities: This 9-month faculty position will be housed in the Center for Biological Data Science and report to the Director. This position has both teaching (80% effort) and service (20% effort) effort allocations. Primary responsibilities for instruction will support the existing bioinformatics curriculum (e.g., courses such as Introduction to Scientific Computing or Introduction to Bioinformatics) and develop upper-level courses aligned with the individual's expertise.

Required Qualifications: (1) Terminal degree in Bioinformatics, Computer Science, Biology, Molecular Biology, Evolution, Ecology, Statistics, Mathematics, or other discipline salient to bioinformatics. (2) Fluency in conducting bioinformatics analyses. (3) Excellent interpersonal skills and ability to communicate effectively and positively in a team environment. (4) Broad understanding of skills salient to teaching core content in bioinformatics (data collection & analysis, and hands-on education). (5) Must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member.

Preferred (but not required) Qualifications: (1) Experience teaching at the undergraduate level (or equivalent). (2) Fluency in the R or Python programming language for data analysis. (3) Development experience with scripting languages for bioinformatics analyses. (4) Demonstrated ability to manage multiple work priorities, meet deadlines, and work independently and cooperatively as a team member.

Interested applicants can find more information and the application at: https://vcu.csod.com/ux/ats/-careersite/1/home/requisition/6317 The application includes a CV, a Cover Letter that should highlight

required and preferred qualifications in demonstrating candidacy for the position, and a Statement of contribution to diversity, equity, and inclusion.

For additional information or questions, please contact the chair of the search committee, Dr. Brian Verrelli at bverrelli@vcu.edu.

“bverrelli@vcu.edu” <bverrelli@vcu.edu>

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WilliamAndMary Virigina BiostatisticsBioinformatics

The Department of Biology at William & Mary, a public university of the Commonwealth of Virginia, seeks applications for a tenure track position at the Assistant Professor level. Appointment will begin August 10, 2025. We are interested in individuals with research and teaching expertise in bioinformatics and biostatistics. Applicants whose research is focused on or extensively utilizes bioinformatics will be considered; those whose research also includes an experimental component in the lab or field are especially encouraged to apply.

Duties include research, teaching, and service to the University. The applicant is expected to establish and maintain a vibrant externally-funded research program that inspires a highly motivated body of undergraduate and master’s students. Teaching duties include engaging undergraduate courses in biostatistics, bioinformatics, and other lecture and seminar-style courses in the applicant’s area of expertise, averaging 2 courses per semester with labs counting as courses.

Required Qualifications: Applicants must hold a Ph.D. in biology, biostatistics, bioinformatics, or a related field at the time appointment begins (August 10, 2025).

Preferred Qualifications: Previous teaching experience in bioinformatics and/or biostatistics and an established record of mentoring undergraduates and/or graduate research is preferred. Evidence of scholarly achievement, including peer-reviewed publications in competitive outlets and nationally competitive grants or other awards, will be viewed favorably. Postdoctoral experience preferred, with one or more years particularly desirable.

Applicants must apply online at https://jobs.wm.edu. Submit a curriculum vitae, a cover letter, a statement of teaching interests, and a statement of research interests. Candidates are encouraged to reflect on their past experiences or future plans to foster an inclusive and welcoming climate for learners/scholars in biology in any of the aforementioned required documents. You cannot submit a separate diversity statement. You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions for how to submit a letter of reference.

For full consideration, submit application materials by the initial review date, November 22, 2024. Applications received after the initial review date will be considered if needed.

William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. The university is an Equal Opportunity/Affirmative Action employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities. William & Mary conducts background checks on applicants being considered for employment.

Information on the degree programs in the Department of Biology may be found at https://www.wm.edu/-as/biology/. Contact Harmony Dalgleish (hjdalgleish@wm.edu) with questions.

“Murphy, Helen” <hamurphy@wm.edu>

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YorkU EvolAnimalSocialBehaviour

The Department of Biology, Faculty of Science at York University invites highly qualified applicants for an Assistant Professor position in Animal Social Behaviour. This is a tenure-track appointment to the Professorial Stream to commence July 1, 2025. Applications are due December 15, 2024.

Full ad can be found here:

https://www.yorku.ca/vpepc/faculty-affairs/-wp-content/uploads/sites/698/2024/10/-SCI_BIO_ASB.pdfâ€ emcfar@yorku.ca

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Other

CallFor Evolution AssocEditors

The editorial team of Evolution (https://-academic.oup.com/evolut) seeks Associate Editors to serve three-year terms beginning January 2025. Associate Editors receive free membership in the Society for the Study of Evolution (https://-www.evolutionsociety.org/) for the duration of their term and free registration for the annual Evolution meeting (https://www.evolutionmeetings.org/)

We strongly encourage nominations and self-nominations of individuals who represent the full diversity of the evolutionary biology community, including (but not limited to) all aspects of identity and background, types of institution, geographic location, or scientific approach.

To indicate your interest, provide your affiliation, research interests, and contact information in this short form: https://forms.gle/JwAmeM4YV9FvLNMT9 Deadline: October 31

*Kati Moore*she/her *Communications Manager* *Society for the Study of Evolution* communications@evolutionsociety.org www.evolutionsociety.org SSE Communications <communications@evolutionsociety.org>

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ESEB CongressAttendanceAidGrant DeadlineJan31

Congress Attendance Aid Grant

The grant aims to ensure equal opportunities at the 30th European Meeting of PhD Students in Evolutionary Biology (EMPSEB) or the ESEB Congress in Barcelona, Spain.

The grant aims to achieve this by increasing the attendance of underrepresented groups, primarily, but not solely, caregiving women (who due to higher costs of childcare are often prevented from attending), through positive discrimination. The grant provides stipends of financial aid for scientists to help with the additional costs borne privately due to responsibilities for dependents when attending one of the above mentioned meetings. For example, stipends can cover dependent care or personal travel expenses. Applicants may request between 250 to 500 Euro for EMPSEB attendance and between 250 to 750 Euro for ESEB attendance. Higher amounts are awarded to those travelling further or to those from countries with less access to funding.

Please note that this grant is distinct from the ESEB Conference Travel Award (https://eseb.org/-prizes-funding/conference-travel-award/), which is designed to help young researchers who are professionally based in low income countries with the travel costs to attend the meeting and is NOT meant for other underrepresented groups or to support additional costs due

to caring for dependents when attending the meeting.

DEADLINE: 31 January 2025

ELIGIBILITY - Applicants must be ESEB members (for becoming a member of ESEB please visit our membership page: https://eseb.org/society/membership/). - Applications can be submitted by scientists at any stages of their professional career (e.g., undergraduate, Masters and PhD students, postdocs, and lecturers). - Applicants must explain explicitly how their attendance will increase equal opportunities at the society. - Applicants must present either an oral communication or a poster at the respective meeting to be eligible for the award. This will be verified before the reimbursement, but no proof that a poster or talk is accepted is necessary at the application stage. Please note that being chosen for a travel award does not guarantee acceptance of a poster or talk at the conference. - Applicants must detail how they intend to use the grant. Eligible costs include, but are not limited to: childcare on site, childcare at home, extra care at home for dependents, extra travel costs for babysitter (grandparents) etc. - The stipend will be paid out as a flat rate of 250 euro (in certain cases up to 500 euro) after the congress when confirmation of attendance & presentation is provided.

HOW TO APPLY The application should be no more than 2 pages long and include: - Name of the applicant - ESEB membership number - An explanation of how attendance at the meeting improves equal opportunities at ESEB - An explanation of how attendance at the meeting will further the attendant's professional goals - Itemised budget in Euro - CV

Please submit the application as a single PDF file by email to Ute Friedrich at the ESEB office (office@eseb.org; subject: CAA grant 2025) and take care to limit the size of attachments (total < 10 MB) in any one email.

—- European Society for Evolutionary Biology (ESEB) Email: office@eseb.org Website: https://eseb.org ESEB Office <office@eseb.org>

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ESEB OutreachInitiativeFund Mar15

ESEB Outreach Initiative Fund

The European Society for Evolutionary Biology (ESEB) welcomes applications to the ESEB Outreach Initiative Fund for projects that promote evolution-related activities. The goal of this initiative is to improve public knowledge about evolution globally.

Applications for funding will be accepted for educational initiatives that promote evolution, translation of evolutionary material (books, films, and websites) intended for a general audience, public outreach seminars, public exhibitions, etc.

There will be a single call per year with a total budget of 12,000 Euro. A single project can be funded with up to 4,000 Euro, but smaller projects are welcome. We are requesting a report after one year, at which time the project should be completed.

Please use the ESEB application form to submit your proposal and note the word limits given herein. The form can be downloaded at the ESEB website:https://-eseb.org/prizes-funding/outreach-fund/ Proposals will be accepted until *15th March 2025***and should be submitted by email to the ESEB office (Email: office@eseb.org; Subject: Outreach 2025). We will acknowledge receipt of all applications within a week. If you have not received our confirmation by then, please contact the ESEB office again!

Please note that scientific meetings are not supported by ESEB Outreach Initiative funds. These fund also do not work as a mechanism for continual funding. Once the potential of a project has been demonstrated, this should be used as a basis to convince other funding sources on continuation funds. Hence, submissions by a group that has been successful in past calls may be penalized if the proposals are mere follow-ups of previous projects.

The applications will be evaluated by the Outreach Initiative Committee:

Florence Debarre, Chair Trine Bilde Hannah Dugdale Andy Gardner Efe Sezgin

European Society for Evolutionary Biology Email: office@eseb.org Homepage: eseb.org

ESEB Office <office@eseb.org>

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ESEB Three CallAwards

J. Maynard Smith Prize Godfrey Hewitt Mobility Award ESEB Conference Travel Award see below ...

ESEB JOHN MAYNARD SMITH PRIZE

Each year the European Society for Evolutionary Biology (ESEB) distinguishes an outstanding young evolutionary biologist with a prize named after John Maynard Smith (1920 - 2004), eminent scientist, great mentor, author of many books on evolution, and a former President of ESEB.

NOMINATION The prize is open to any field of evolutionary biology. The candidates for the 2025 prize should have commenced their PhD study after January 1, 2018. However, nominees who started their PhD earlier than January 1, 2018 will also be considered if they have taken career breaks; an outline of the reason should be given. Self and non-self nominations are both welcome. Documents supporting a nomination should be sent as a single PDF file to Ute Friedrich at the ESEB office office@eseb.org.

Non-self nominations:

1. Letter of support. If you are nominating someone, please send a letter of support for the nomination directly to <office@eseb.org>.

- Your letter should outline the candidate's academic qualities as well as their wider diverse contributions including to EDI and Open Research

2. Candidate documentation. If you are nominating someone, ask them to send a single pdf file to <office@eseb.org>. This file should contain:

- a brief description of the candidate's contributions to the study of evolution (1 page maximum)

- the candidate's CV and a list of publications (indicating three notable papers and a description of the candidate's contributions to those three papers)

- the CV should also include information on the candidate's wider, diverse contributions including to EDI and Open Research

- a short description of current research (1 page maximum)

- a short description of future research plans (1 page maximum)

Self nominations:

1. Letter of support. Ask a colleague to write a supporting statement, as above, for your nomination. They should send this letter directly to <office@eseb.org>.

2. Candidate documentation. Send the same candidate information as outlined above directly to <office@eseb.org>.

DEADLINE

Nominations and letters of support should arrive no later than WEDNESDAY, JANUARY 15, 2025.

Please take care to limit the size of attachments (total < 10MB) in any one email. The nomination committee, chaired by Josefa González, will evaluate the nominations and inform the winner approximately by end of March 2025.

ASSESSMENT PROCESS

The evaluation committee, after ruling out any potential conflicts of interest, will review all the material. The evaluation committee will consider the academic merit of applications. In addition, they will also consider (i) diverse contributions - /e.g./ via science outreach, teaching, mentoring, community service, EDI, mitigation of climate change impacts, etc, and (ii) engagement with Open Research, /e.g./, via sharing of research via mechanisms including Open Access, preprint servers, and sharing of data, code, protocols, etc.

The evaluation committee is also instructed to take into account potential differences in access to opportunities, and to be aware of, call out and take steps to minimize, conscious and unconscious biases in their evaluations.

AWARD DETAILS

The prize winner is expected to attend the ESEB congress in August 2025 in Barcelona, Spain, where they will deliver the 2025 John Maynard Smith Lecture. The Society will cover registration, accommodation, and travel expenses (economy fare). The JMS Prize comes with a monetary prize of 2500 euro , the invitation to write a review for the /Journal of Evolutionary Biology/, and the possibility of a Junior Fellowship of 6 months at the Institute of Advanced Study in Berlin, Germany. For more information on the Institute of Advanced Study see https://www.wiko-berlin.de/en/ Previous winners of the JMS Prize are listed at the ESEB web site: https://eseb.org . Sincerely, Josefa González ESEB Vice-President**

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GODFREY HEWITT MOBILITY (GHM) Award 2024 - Call for Applications

Godfrey Hewitt (1940-2013) was President of the European Society for Evolutionary Biology (ESEB) from 1999-2001. He was exceptionally influential in evolutionary biology both through his research and through his mentoring of young scientists. He was also a great believer in seeing organisms in their environment first-hand and in exchanges of ideas between labs. Therefore, ESEB annually offers mobility grants for young scientists in his name.

DEADLINE: FRIDAY, 31 JANUARY 2025.

ELIGIBILITY

The award is open to PhD students or postdoctoral scientists who are, at the closing date for applications, within 6 years of the start date of their PhD and ESEB members. In addition, applicants will be considered

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ESEB Two Proposals

Proposals - Two - Initiative Funds - Special Topic Networks

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ESEB EO Initiative Funds - Call for Applications

Next deadline: Monday, 28 April 2025

Annual open call for proposals for activities that increase awareness of the problem and possible solutions. Such proposals can include, but are not limited to, short workshops (for instance, on unconscious bias) and/or seminars (with invited speakers) at your home organization, data collection, publication activities and similar events. It must be clear from the proposal how the activity will improve our knowledge and awareness of inequalities, or how the activity will improve equal opportunities directly, in the ESEB specifically, or Evolutionary Biology as a field in general.

ELIGIBILITY

- The main applicant must be ESEB member (to become an ESEB member or renew the ESEB membership, please visit our membership page first). - Applications can be submitted by scientists at any stage of a professional career (e.g., undergraduate, Masters and PhD students, postdocs, and lecturers). - Applicants must provide proof of support of the host institution where the activity should take place, if applicable (letter from head of department) - Applicants must explain explicitly how their activity will improve our knowledge, awareness of unequal opportunities, or how the activity will improve equal opportunities directly, in ESEB specifically, or Evolutionary Biology as a field in general. - Applicants must detail which group of people, and how many, will benefit from this activity (for instance, 50 undergraduates, 10 graduate students, 15 faculty members) - Budgets should be reasonable (usually not exceeding 1000 EUR, if more is required, please contact EO committee first), and, if applicable, detail costs per person (that benefit from this event).

HOW TO APPLY

The application should be no more than 3 pages long (excluding CV and support letter) and include:

- Name of the applicant(s), please indicate the main applicant if appropriate. - ESEB membership number (main applicant). - A proposal of the activity. - A justification of how the activity will improve our knowledge, awareness of unequal opportunities, or how the activity will improve equal opportunities directly, in ESEB specifically, or Evolutionary Biology as a field in general. - Which group of people will benefit (students, staff, general public), and how many. - A detailed, justified budget (including cost per beneficiary). - A time schedule. - A short summary to be published on the website (100-150 words). - CVs of the applicants (1-2 pages). - A letter of support of the host institution's head of the department.

Please submit the application as a single PDF file by email to Ute Friedrich at the ESEB Office (office@eseb.org; Subject: EO Fund 2025) and take care to limit the size of attachments (total $<$ 10 MB) in any one email.

Successful applications must hand in a report about the activity, including details of how funds were spent (receipts!), within 3 months of the event.

-- European Society for Evolutionary Biology Website: eseb.org ESEB Office - office@eseb.org

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ESEB SPECIAL TOPIC NETWORKS - CALL FOR PROPOSALS

This is a call for proposals for new Special Topic Networks (STN), which will start in September 2025 and be funded by ESEB for up to 6 years. The deadline for the submission of a proposal is APRIL 2nd, 2025.

Background ESEB's STN Initiative supports networking activities in various specific areas of evolutionary research. Each STN is funded for up to 6 years (subject to review after 2 and 4 years of operation) with up to 10,000 Euros for each 2-year funding period. Twelve STNs have been supported since the start of the initiative, and up to four new STNs will be initiated every other year. Networking activities may include the organisation of symposia, workshops, lecture series, courses, and lab visits or joint work on review papers or databases. However, the format of an STN is up to the organisers, and innovative ideas are encouraged. All active fields of evolutionary research are eligible, provided that the topic of the network differs from the STNs that are currently funded (see the list of currently funded STNs below).

Proposals and selection procedure Applicants should provide a proposal with the following components. (1) Topic of the network: a description of the research area to be targeted, explaining why it is timely to address the proposed topic by a networking initiative, and outlining the expected benefits of the STN to the field (max. 1000 words). (2) Network activities: a global description of the planned networking activities that includes information on the target group of researchers and a more specific description of the activities planned for the first two years of operation of the STN (max. 500 words). (3) Organisation of the STN: the names and affiliations of the

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ESEB Under-RepresentedECRAchievementAward DeadlineJan31

ESEB Under-represented ECR Achievement Award

Two annual awards of euro 2,000 will highlight the achievements of under-represented early-career researchers (ECRs) who have faced difficult circumstances while conducting their work. Applicable difficult circumstances may be but are not limited to disabilities, social/cultural/political persecution, refugee status, single parenting or other caring responsibilities that have created unequal opportunities. This year's winners will also be invited to speak at the ESEB Congress in Barcelona, Spain.

DEADLINE: 31 January 2025

ELIGIBILITY 1. The award is open to PhD students, postdoctoral scientists or non-tenure-track research fellows who do not hold a permanent academic position and have achieved their research while facing difficult circumstances. Note that researchers based in any country are eligible, irrespective of GDP status, and not just in Europe. 2. Applications may be submitted by the person benefiting from the grant, or by a colleague/supervisor when a letter is included from the nominee approving their nomination. 3. The person submitting the application must be an ESEB member, or become a member immediately after receiving the award (to become a member of ESEB, please visit our membership page). 4. Applicants who have previously received this award are not eligible. 5. The award stipend (2000 euro) will be spent at the discretion of the nominee. Nominees will be required to write a short summary of their achievement to be highlighted on the ESEB Equal Opportunities website and ESEB newsletter.

APPLICATION PROCEDURE Applications should be sent as a single PDF file to Ute Friedrich at the ESEB office, office@eseb.org with the subject line: 2025 EUEA Award. It should include 1. A cover letter with the nominee's name, current status and institution, PhD start date, duration and reason for any career breaks, nominee's or nominator's ESEB membership number, and a signed statement on what the nominee has achieved and why you considered the nominee achieved it under difficult circumstances. The difficult circumstances are primarily, but not solely, disabilities, social/cultural/political persecution, refugee status, single parenting or other caring responsibilities. The letter should not exceed 2 pages. 2. A short CV of the nominee (1-2 pages) 3. Proof of the nominee's achievement: this can be for instance a PhD diploma, a publication, or an outreach initiative. 4. A letter of support from the nominee's host institution or a colleague.

Applications should arrive no later than Friday, 31 January 2025. Please take care to limit the size of attachments (total $<$ 10 MB) in any one email.

Applications will be evaluated by the Equal Opportunity Committee chaired by Anne Charmantier, and winners will be informed around the end of February. The win-

ners are encouraged to attend the next ESEB congress in Barcelona, Spain (August 17-22, 2025), where they will be invited to speak at the ESEB award symposium about their work and/or equal representation in the field of evolution. ESEB will contribute to the travel expenses and registration fees.

Previous winners can be seen here: https://eseb.org/-prizes-funding/equal-opportunities-initiative/eseb-under-represented-ecr-achievement-award/ – European Society for Evolutionary Biology (ESEB) Email: office@eseb.org Website: https://eseb.org –

GenomicHistoryInference Tournament ClosesNov15

The 2024 Genomic History Inference Strategies Tournament (GHIST) closes November 15. Get your demographic history inferences in (and earn your authorship) before it's too late!

There are many ways to infer population history, natural selection, or other evolutionary properties from genomic data, and it is often unclear which methods work best for which tasks. GHIST is an annual forum for the community to test inference approaches in an unbiased fashion. Each year, the GHIST organizers release simulated population genomic data sets and host a competition to infer various aspects of the processes that generated those data. From the submissions, the community will learn what approaches perform well or poorly in particular circumstances. And it is a great training opportunity! Top competitors will be invited as coauthors on the publication describing the year's competition.

This year, GHIST consists of 4 demographic history inference tasks, ranging from simple to complex. You can use whatever approach you prefer to tackle each task. The competition will close November 15, 2024. So there is plenty of time, including for new trainees who start in the Fall semester.

To help you get started, we've created a 1-hour workshop which leads you through analyzing the first challenge's data using dadi-cli and submitting your results. Find that on our webpage: http://ghi.st .

For questions, please contact Ryan Gutenkunst <rgutenk@arizona.edu>, chair of the Design Committee.

"Gutenkunst, Ryan N - (rgutenk)" <rgutenk@arizona.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Heredity SpecialIssue StructureVariation

We are pleased to announce a Call for Papers for a Special Issue in Heredity titled "Functional and Adaptive Effects of Genomic Structural Variation." This issue will explore how structural variants drive phenotypic changes and influence adaptive evolution across a wide range of species, with a particular focus on their functional impacts.

We invite submissions of original research articles, reviews, and opinion pieces. The submission deadline is March 1st, 2025. Articles will be published as advanced online publications (AOP) as they become ready, with a 6-month free access period for non-Open Access articles.

For more information and submission guidelines, please visit: https://www.nature.com/collections/deejeiccee If you have any questions, please feel free to contact us.

Thank you, Charikleia Karageorgiou (on behalf of the Special Issue Editors: Megan Dennis, Omer Gokcumen, Ellen Leffler, and Charikleia Karageorgiou)

â€Charikleia Karageorgiou, Ph.D. PostDoctoral Fellow Buffalo Evolutionary and Anthropological Genomics Lab (BEAGL) Department of Biological Sciences University at Buffalo, SUNY

Charikleia Karageorgiou <charikle@buffalo.edu> Charikleia Karageorgiou <charikle@buffalo.edu>

Lille 6MnthInternship Pollinators

Hi everyone,

We are offering a 6-month internship for a Master 2 student at the Evo-Eco-Paleo laboratory in Lille (France).

Title of the traineeship: Effects of pollinator community composition on selection patterns Traineeship supervisor: Camille Jolivel, Isabelle De Cauwer & Nina Joffard Laboratory: UMR 8198 C Evo-Eco-Paleo,

France (Lille) Phone number: 03 20 33 59 23 Email: camille.jolivel@univ-lille.fr, Isabelle.De-Cauwer@univ-lille.fr, nina.joffard@univ-lille.fr

SUBJECT OF THE TRAINEESHIP

The reproduction of generalist entomophilous angiosperms relies on their ability to attract different groups of pollinating insects through attractive signals (visual signals, olfactory signals, rewards for the pollinator). Phenotypic variation in these attractive signals is frequently observed within the same species, which can be explained by adaptation to the local pollination context. If phenotypic traits are heritable, selection pressures can lead to adaptation of these traits. Selection can be defined as the relationship between reproductive success (RS) and floral traits (Lande & Arnold 1983). For females, RS corresponds to the total number of seeds produced and for males, RS corresponds to the total number of seeds sired.

Pollinator-mediated selection is considered an important part of the selection exerted on floral traits. However, when a plant is pollinated by various pollinators, these may exert different selection pressures on these traits, potentially leading to divergent evolution of floral traits within just a few generations (Gervasi & Schiestl 2017). Indeed, pollinators do not have the same sensory abilities or preferences (Fenster et al. 2004). Additionally, the morphological and behavioral characteristics of pollinators can significantly influence pollen export and deposition, and thus their pollination efficiency (Furtado et al. 2023). The optimal values of "mechanical" traits (i.e., traits related to the fit between the flower and the pollinator) should therefore differ from one group of pollinators to another.

Silene dioica is a herbaceous, perennial, and dioecious angiosperm (i.e., species with separate sexes, Kay et al. 1984). S. dioica is pollinated by many different types of pollinators, and the composition of pollinator communities can vary, even at a small spatial scale (10 km).

The aim of this internship is to generate genotyping data and to analyze the data collected during an experiment conducted in spring 2024, aimed at studying selection mediated by the most frequent diurnal pollinators of S. dioica, bumblebees and hoverflies.

For this, three pollination treatments were set up under controlled conditions: the plants were exposed to bumblebees, or hoverflies, or both bumblebees and hoverflies. The objectives are to: (1) determine which floral traits are selected and with what intensity, for each treatment, (2) determine whether the presence of both pollinators results in non- additive selection (total selection does not correspond to the sum of the selection mediated by each pollinator, terHorst 2017).

During the experiment, several floral traits were measured on each individual (corolla width, calyx height, number of open flowers, number of flowers produced, and plant height). Pollinator visit observations were conducted to study the activity of each pollinator type. To estimate the reproductive success (RS) of each individual, all the seeds produced during the experiment were collected. For female, RS will be estimated as the total number of seeds produced. For males, RS will be estimated by the total number of seeds sired. To estimate this quantity, genotyping of a subsample of seeds produced during the experiment will be performed. The DNA of each adult will be extracted from a leaf sample, and the DNA of the offspring will be extracted directly from the seeds. Paternity analyses will then be conducted. Finally, directional selection gradients will be estimated using the method of Lande & Arnold (1983).

References : - Fenster, C. B., Armbruster, W. S., Wilson, P., Dudash, M. R., & Thomson, J. D. (2004). Pollination syndromes and floral specialization. Annual Review of Ecology, Evolution, and Systematics, 35(1), 375-403. - Furtado, M. T., Matias, R., PérezÂ©\Barrales, R., & Consolaro, H. (2023). Complementary roles of hummingbirds and bees: Pollen pickup, pollen deposition, and fruit production in the distylous Palicourea rigida. American Journal of Botany, 110(6), e16194. - Gervasi, D. D. L., & Schiestl, F. P. (2017). Real-time divergent evolution in plants driven by pollinators. Nature Communications, 8(1), 14691.

- Kay, Q. O. N., Lack, A. J., Bamber, F. C., & Davies, C. R. (1984). Differences between sexes in floral morphology, nectar production and insect visits in a dioecious species, Silene dioica. New Phytologist, 98(3), 515 529.

— / —

Plant survey html

<pre> From: Lucia SYLVAIN Subject: What about plants¿‘ A study of perceptions and practices

Dear Madam, Dear Sir,

With a team of interdisciplinary researchers from Université Paris Cité, we are carrying out a study on the perceptions and practices of plants by scientists from all disciplines.

A survey has been drawn up, which you can complete by clicking on the following link:

https://framaforms.org/what-about-plants-1700466480 The survey will take no longer than 10 minutes to complete.

Could you distribute this questionnaire within your network in EvolDir so that the data obtained best represents the positions of the scientific community?

Your help will be greatly appreciated.

Thank you for participating,

Best regards,

Lucia Sylvain Bonfanti

Université Paris Cité Laboratoire Dynamiques Sociales et Recomposition des Espaces (LADYSS) UMR 7533 CNRS

Laboratoire Interdisciplinaire des Ãnergies de Demain (LIED/PIERI) UMR 8236

RoyalSocIssues

The following issues from Royal Society Publishing Philosophical Transactions B are widely read and cited - now FREE to access:

Sex determination and sex chromosome evolution in land plants compiled and edited by Susanne S Renner and Niels A Müller and the articles can be FREELY accessed at

www.bit.ly/PTB1850 Human socio-cultural evolution in light of evolutionary transitions compiled and edited by Yohay Carmel, Ayelet Shavit, Ehud Lamm and Eörs Szathmáry and the articles can be FREELY accessed at

www.bit.ly/PTB1872 Also widely read and cited is: Evolution and sustainability: gathering the strands for an Anthropocene synthesis compiled and edited by Peter Søgaard Jørgensen, Timothy M Waring and Vanessa P Weinberger and the articles can be accessed directly at

www.bit.ly/PTB1893 A print version is also available at the special price of 40.00 per issue from sales@royalsociety.org

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Felicity Davie <Felicity.Davie@royalsociety.org> Felicity Davie <Felicity.Davie@royalsociety.org>

Seeking OliveFruitFlies

Dear all,

I am currently studying the bacterial symbionts of Bactrocera oleae and B. biguttula in the lab of Hannes Schuler at the Free University of Bozen-Bolzano in Italy http://hschuler.people.unibz.it . To conduct a population genetic study of the symbionts I am looking for flies from different regions. If you have access to fly specimens (or DNA from these fly species) in regions especially outside Europe and USA, please contact me (yuanjie.li@unibz.it).

Your help will be greatly appreciated! Best regards,

Yuanjie Li Competence Center for Plant Health Free University of Bozen-Bolzano Universitï¿½tsplatz 5 I-39100, Bozen-Bolzano Tel: +39 3514 714825

Prof. Hannes Schuler Competence Centre for Plant Health Faculty of Agricultural, Environmental and Food Sciences Free University of Bozen-Bolzano Universitï¿½tsplatz 5 I-39100 Bozen-Bolzano Tel: +39 0471 017648 http://hschuler.people.unibz.it Competence Center for Plant Health

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Li Yuanjie <Yuanjie.Li@unibz.it>

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Survey ChronicHealthConditionsExperiences

Hello, My name is Hope Ferguson, and I am a graduate student at the University of Tennessee, Knoxville, working in Dr. Elisabeth Schussler's lab. I am conducting a research study exploring the experiences of graduate students with chronic health conditions.

The purpose of this study is to gain a deeper understanding of the experiences and perspectives of students navigating graduate school while managing a chronic health condition.

We are seeking participants to complete an online survey, which will take no more than 10 minutes. Participation is entirely voluntary, and all responses will be kept confidential.

If you are a graduate student in a Life Science field who identifies as having a chronic health condition and is interested in participating, or if you know someone who fits this description, please consider participating or forwarding this message. Your input will be invaluable in advancing our understanding of the diverse experiences of graduate students.

To participate in the survey, please click on the following link: https://utk.co1.qualtrics.com/jfe/form/-SV_eDKCBpBRLOgBARE We kindly ask for you to share this call to life science departments at your university and/or with graduate students in life science graduate programs that you know who may be interested in participating. If you have any questions or concerns, feel free to reach out to me at hjohns76@vols.utk.edu.

Best regards, Hope Ferguson PhD Candidate University of Tennessee, Knoxville hjohns76@vols.utk.edu

"O'Meara, Brian C" <bomeara@utk.edu>

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UndergraduateDiversity EvolutionProgram

Applications are now open for the Society for the Study of Evolution (SSE) Undergraduate Diversity at Evolution program for undergraduate students interested in attending the in-person portion of the Evolution 2025 meeting in Athens, GA, USA on June 20-24, 2025 (www.evolutionmeetings.org).

At the meeting, award recipients will present a poster, receive mentoring, and participate in a career-oriented discussion panel. Awardees will receive conference registration, round-trip airfare, accommodations, a meal stipend, and a ticket to the Super Social.

This is a program of the SSE Education and Outreach Committee. Learn more on our website: https://www.evolutionsociety.org/content/education/-undergraduate-diversity-at-evolution.html Deadline: January 20, 2025

*Kati Moore*she/her *Communications Manager* *Society for the Study of Evolution* communications@evolutionsociety.org www.evolutionsociety.org SSE Communications <communications@evolutionsociety.org>

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UTexas ElPaso GrantStudy EvolutionaryBiology

Are you a recent graduate or about to graduate with your bachelor's degree in Biological Science, Environmental Science, or related fields?

Not sure what your next step is?

The UTEP ROADS Postbaccalaureate program could be for you!

ROADS (Research Opportunities and Access for Diverse Scientists in Extreme Dryland Environments) is an NSF funded RaMP (Research and Mentoring for Postbaccalaureates) program that aims to provide the

next generation of global change scientists with transformative research training and professional development - all while engaging them within a supportive academic network at the University of Texas at El Paso and beyond.

The ROADS program is seeking applicants who:

Have received a Bachelor's degree in Biological Sciences, Environmental Science (or related field) within the last 4 years (May 2021 - May 2025)

Have a minimum GPA of 3.0 (preferred)

Have US Citizenship or Permanent Residency

Why should you apply?

ROADS students will:

Be awarded one-year of full support ($32.5K stipend, funds for research, travel, and subsistence)

Develop and conduct a year-long research project at UTEP within a faculty members lab (with potential for summer experiences at partnering universities and institutions)

Experience innovative science that focuses on identifying the effects global change has on ecological, evolutionary, and environmental processes in the extreme dryland environments of the Arctic and Desert

Participate in expert led workshops, seminars, and networking events that aim to enhance the professional skills needed to thrive in graduate school or STEM careers

Have an opportunity to publish their findings in scientific journals

Be part of a supportive and collaborative team of mentors and peers!

How can you apply? Applicants must submit:

Online Application and Registration https://-etap.nsf.gov/ Emails of 2 professional references for letters of recommendation

A personal essay on interest in the ROADS program and research background

Academic Transcript

Applications for the ROADS Postbaccalaureate program are due March 1st 2025

Please see the full Application Details on our UTEP ROADS Website!

https://www.utep.edu/science/ramp/ Have additional questions? Please contact ramp@utep.edu

"Schaeffer, Kathleen E" <keschaeffer2@utep.edu>

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UWisconsin Madison EarlyCareerSeminarAward

Wisconsin Evolution at the University of Wisconsin-Madison is inviting early-career evolutionary biologists from outside UW-Madison to apply to participate in an early-career scientist seminar in Spring 2025 and Fall 2025 as part of our Evolution Seminar Series (https://-/evolution.wisc.edu/seminars/seminars-info/). Please come share your science with our community!

The 3-5 speakers selected for the series will be invited to visit UW-Madison, either in person or remotely. Each speaker will present a 50-minute seminar, ideally aimed at evolutionary biologists with a broad range of backgrounds. The speaker will also participate in a 45-minute discussion after the seminar with undergraduate evolution majors. For the day of the seminar, we will schedule meetings with faculty and students working in evolutionary biology. Speakers will receive a $150 honorarium.

Application deadline: November 30th, 2024.

Eligibility: Non-UW-Madison graduate students and postdocs who received a Ph.D. no longer than 5 years ago.

For more information about the award and to apply, please visit: https://evolution.wisc.edu/seminars/-early-career-seminars/ For more information about our institute, please visit: https://evolution.wisc.edu/ For direct inquiries please contact Jassim Al-Oboudi (aloboudi@wisc.edu) or Emily Ubbelohde (ubbelohde@wisc.edu).

Thank you,

Jassim Al-Oboudi

PhD Student

Hittinger Lab

UW-Madison

aloboudi@wisc.edu

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PostDocs

UCopenhagen Two MeiofaunaGenomicsPhylogenomics

We are pleased to announce that we are accepting applications for our Postdoctoral Research Fellowships Program at the Richard Gilder Graduate School at the American Museum of Natural History.

The Postdoctoral Research Fellowship Program at the American Museum of Natural History provides training to postdoctoral investigators to carry out a specific project within a limited time period. The project must fit into one or more of the Museum's areas of interest: Anthropology, Invertebrate Zoology, Paleontology, Physical Sciences (Astrophysics and Earth & Planetary Sciences), and Vertebrate Zoology. This Fellowship Program is designed to advance the training of the participant by having them pursue a project in association with Museum professionals in the Museum setting.

Postdoctoral Fellows of all groups listed above will be hired as full-time employees of the American Museum of Natural History. During their employment they will receive full medical insurance, as well as all other AMNH employee benefits. Limited relocation, research, and publication support is provided. Appointments are typically made for up to two years. Postdoctoral Fellows are expected to be in residence working at the Museum. Newly graduated or soon-to-graduate PhDs may apply. Fellows must have received their degrees or deposited their dissertations before they can begin their appointments. There are no citizenship or geographic requirements to apply.

Details about the Postdoctoral Research Fellowships Program can be found on https://www.amnh.org/research/richard-gilder-graduate-school/academics/fellowship-and-grant-opportunities/postdoctoral-research-fellowship-program . To apply, please review the following instructions: https://www.amnh.org/content/download/425240/6176353/file/rggs-postdoctoral-fellowship-application-instructions_2024.pdf . The direct application link can be found here: https://sis.rggs.amnh.org/apply/ . Deadline: November 15, 2024

Please contact us fellowships-rggs@amnh.org if you need any further information.

Asmeret Bekele Manager of Student Affairs and Fellowship Programs Richard Gilder Graduate School at the American Museum of Natural History 79th St. at Central Park West New York, NY 10024-5192 Tel. 212-769-5017 Fax. 212-769-5257 abekele@amnh.org; http://rggs.amnh.org Asmeret Bekele <abekele@amnh.org>

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ClemsonU EvolGenomicsAdaptation

The Lewis Lab in the Department of Genetics and Biochemistry at Clemson University is recruiting an evolutionary genomics postdoctoral researcher as part of an NSF-funded project to study adaptation in neotropical butterflies. This research will build on substantial preliminary data to study the evolution of sexual dimorphisms, adaptation to local environments, and/or wing color pattern evolution. The postdoc will work with the PI to develop a research program that includes their own interests. Projects may include travel to Central and South America.

This position is currently supported for up to three years, with the possibility of further support for additional postdoctoral study. Assistance will be provided for independent postdoc fellow applications.

The Lewis Lab uses population and functional genomics to identify the molecular mechanisms and evolutionary processes that underlie adaptive evolution. Clemson University is an R1 institution located in beautiful Clemson, SC on Lake Hartwell, at the base of the Blue Ridge mountains. The city of Greenville, SC is 40 minutes away and there are 5 national forests within a 2 hour drive!

For more information about the Lewis Lab, please visit the website https://jameslewislab.com/ . Qualifications: This position requires a PhD in biology, evolutionary biology, genetics, genomics, or a related field. Experience working with large genomic datasets is preferred, but not required.

For full consideration, applications should be submitted by November 25, 2024. Review will continue until the position is filled. Applicants should submit the following items via Interfolio in a single PDF: http://-apply.interfolio.com/150278 1) A cover letter (2 pages maximum) describing research interests, background, and future goals

2) CV

3) Up to three publications that highlight the applicants' background (optional)

4) Contact information for 2-3 references. Letters of recommendation will be requested for top candidates.

For more information, please contact James Lewis at jjl8@clemson.edu.

James Lewis Assistant Professor Dept. of Genetics and Biochemistry Clemson University

James J Lewis <jjl8@clemson.edu>

ColumbiaU LandscapeMacroevolution

Link: https://apply.interfolio.com/156181 The Department of Ecology, Evolution, and Environmental Biology (E3B) at Columbia University invites applications for a position at the rank of Associate Research Scientist to contribute to research on the ecological and evolutionary drivers of landscape evolution. The successful candidate will join the lab of Dr. Deren Eaton (https:/-/eaton-lab.org) to support ongoing and new research initiatives to develop computational models and tools for measuring and visualizing patterns of migration and gene-flow from community and population genetic data.

The position will focus on the history of plant diversity in the Hengduan Mountains Region Biodiversity hotspot, through analyses of both community structure and population genetic structure. The work will involve contributing to new collections, as well as analyzing existing genomic and community datasets. A primary objective will involve developing a new software tool to implement a novel statistical model. The position is highly collaborative, including a network of international collaborators working in community ecology, systematics, geology, and genomics. The models and tools developed from this work will enhance our understanding of processes driving diversification in biodiversity hotspots, and inform perspectives on conservation planning.

Qualifications The position requires a Ph.D. in ecology, evolution, computational biology, or a related field. A track record of research excellence is essential, as are excellent written and oral communication skills. Experience in statistical or ecological modeling and Python programming are highly desirable.

Application Instructions

All applications must be made through Columbia University's Academic Search and Recruiting (ASR) system. https://apply.interfolio.com/156181 Applicants should submit a cover letter, Curriculum Vitae, and contact

information for three reference providers who may be asked to upload letters of recommendation at a later stage in the search.

Deren Eaton Associate Professor, Department of E3B Affiliate Member, Data Science Institute Committee on Equity and Diversity Columbia University https://eaton-lab.org "Deren A.R. Eaton" <de2356@columbia.edu>

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ColumbiaU Neurogenomics Behavior Speciation

Neurogenomics of Behavior and Speciation

The Department of Ecology, Evolution, and Environmental Biology (E3B) at Columbia University invites applications for a position at the rank of Postdoctoral Research Scientist or Associate Research Scientist. The successful candidate will join the lab of Dr. Kira Delmore (delmorelab.com) and be supported by funding from an NIH MIRA grant aimed at understanding the genomic basis of behavior and speciation.

The postdoc will have the opportunity to contribute to several research projects but will primarily lead their own project focused on understanding the molecular basis of seasonal migration and speciation in songbirds. This project will leverage new and existing data collected from a captive population of Swainson's thrushes. The Swainson's thrush includes two subspecies that differ in their migratory behavior and hybridize in western North America. Our captive population includes individuals from both subspecies and their hybrids. Hybrids help power analytical approaches that dig deeper into the molecular basis of migration and speciation (e.g., Louder et al. 2024 Nat Comm; Justen et al. 2024 PNAS).

Start date: The ideal start date would be Jan 2025 but we can be flexible.

Duration: Two-year contract with 1+ year extensions.

Funding: Fully funded. NIH MIRA grant that does not end until Sept 2028.

Location: The Delmore lab is moving to Columbia at the end of 2024. We will be in the E3B department with connections to the Zuckerman Mind Brain Behavior Institute and American Natural History Museum.

Experience: Ph.D. and expertise in neurobiology, molecular biology, animal behavior, evolution and/or computational biology.

Experience with birds is not necessary. Candidate should show evidence of past productivity (e.g., first-author pubs and/or grants), and have strong written and oral communication skills.

Application: Please send a cover letter, curriculum vitae, and contact information for 2-3 references to Kira Delmore (ked2195@columbia.edu).

–

Kira Delmore | Associate Professor Department of E3B | Columbia University 10th Floor Schermerhorn Extension | 1200 Amsterdam Avenue | New York, NY 10027 1 (979) 900-2129 | ked2195@columbia.edu | delmore-lab.com

* My working hours may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule. *

Kira Elizabeth Delmore <ked2195@columbia.edu>

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CPG Stockholm PalaeogenomicsColdAdaptation

Postdoc on Palaeogenomics of Cold Adaptation at the Centre for Palaeogenetics in Stockholm (Department of Zoology, Stockholm University).

Closing date: November 11th, 2024

We are seeking a postdoctoral researcher in palaeogenomics, who will join Love Dalén's research group at the Centre for Palaeogenetics in Stockholm (https://-palaeogenetics.com). The position is funded as a postdoctoral scholarship (tax-free stipend, 100%) for a period of 3 years. The start date is flexible, but the candidate should ideally start as soon as possible.

PROJECT DESCRIPTION

The successful candidate will be part of an interdisciplinary research project funded by the Human Frontier Science Program (HFSP), with research partners in Sweden, Spain, the UK and the USA. The overall project is aimed at understanding the molecular basis of cold adaptation in vertebrates, including mammoths, lemmings and ptarmigan, with particular focus on thermosensa-

tion genes, using a combination of genomics, structural and functional protein analysis, as well as computational modelling. As part of this project, the Stockholm team will use hybridization capture and palaeogenomics methods to reconstruct adaptive evolution across hundreds of thousands of years.

The postdoctoral work done at the Centre for Palaeogenetics will involve: 1) Computational identification of candidate genes for cold adaptation across a broad set of Arctic vertebrates. 2) Design of a hybridization capture array to enrich these genes from ancient DNA libraries. 3) Laboratory analysis to generate temporal genomic datasets targeting evolutionary change from multiple Arctic vertebrates. 4) Computational analysis of the resulting data to identify the timing, rate and extent of evolutionary change and how these are related to past environmental change.

The successful candidate is expected to take full responsibility for the practical design and implementation of the experiments, and take a leading role in the collection and analysis of the resulting data as well as writing of manuscripts. The candidate is also expected to contribute to the overall scientific community at the Centre for Palaeogenetics, present results at national and international conferences, and will also be given the opportunity to mentor graduate and undergraduate students at the Centre.

QUALIFICATION REQUIREMENTS

The salary is provided as a tax-free scholarship stipend of 30,000 SEK per month. Only candidates with a doctoral degree, or similar equivalent, acquired in a country other than Sweden are eligible to apply. The applicant must have a PhD in genomics, evolutionary biology, molecular biology, or a similar subject, from a non-Swedish accredited college/university. The degree must have been completed by the start of the employment.

ASSESSMENT CRITERIA AND TERMS

Overall, this is an innovative and collaborative opportunity combining diverse fields to answer outstanding questions about the evolution of Arctic vertebrates. To be successful, the candidate should be creative and ambitious, and must have a demonstrated track-record of scientific achievements in genomics, evolutionary biology, molecular biology, or a similar subject. Prior experience in palaeogenomics, hybridization capture, bioinformatics, and/or computational genomics will be considered important merits. Given the interdisciplinary and collaborative nature of the HFSP project, applicants should be good communicators and be happy to work in an international team, spread across three countries, as well as capable of working independently to solve challenging technical problems. The working language is English.

The position is a full-time stipend for three years. As this is a stipend, the position is considered educational and the PI is the educational host. Consequently, it is also important to note that the position does not entail entitlements such as sick leave pay, parental leave pay, holiday entitlement pay, healthcare subsidies or pension contributions. The start date is flexible, but ideally as soon as possible.

Stockholm University and the Centre for Palaeogenetics strive to be a workplace free from discrimination and with equal opportunities for all.

CONTACT

Further information about the position as well as the research project can be obtained from the host: Professor Love Dalén (love.dalen@zoologi.su.se)

APPLICATION

Apply for the position by sending the application as a single pdf to love.dalen@zoologi.su.se

It is the responsibility of the applicant to ensure that the application is complete in accordance with the instructions in the advertisement, and that it is submitted before the deadline. Please include the following information in your application as a single combined pdf file titled “XX HFSP postdoc application” where XX is your last name:

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DrexelU Pennsylvania UrbanPopulationGenomics

Postdoctoral Researcher at Drexel University Location: University City -Philadelphia, PA Categories: College of Arts & Sciences Application link: https://careers.drexel.edu/en-us/job/503942/-postdoctoral-researcher Job Summary

The Munshi-South Lab at Drexel University is seeking applications for a postdoctoral researcher. The lab is engaged with a variety of projects focused on genomics

of wild populations, particularly in urban environments. The postdoctoral researcher will work closely with Dr. Munshi-South on a new project on urban evolution of lichens that will involve field sampling, data analysis, manuscript preparation, presentation at scientific meetings, and outreach / education activities. The postdoctoral researcher may also develop their own projects on urban lichens or other taxa, and opportunities exist for collaboration with the Academy of Natural Sciences and other institutions. This position is meant to be primarily in-person, with the potential for remote work 1-2 days per week. This is a one-year position with continuation after the first year based on availability of funds and performance.

Please direct any inquiries to jm5383@drexel.edu

Essential Functions

Substantial field work to sample wild populations of lichens in multiple cities, potentially involving both national and international travel. Management of datasets and workflows. Coordinate with collaborators. Collaborate with the PI and other lab members to establish robust bioinformatic protocols for analyzing lichen genomic and metagenomic data. Preparing and submitting manuscripts for publication as lead author. Presentation at scientific conferences and engagement with outreach activities. Contribute to mentorship of students and staff in the lab.

Required Qualifications

Minimum of a PhD or Doctorate in Biology or a related discipline. Previous experience with field and/or laboratory research, including publishing scientific manuscripts. Basic to intermediate familiarity with population genomic and / or spatial landscape analyses. Ability to work independently in the field and/or laboratory. Ability to work extended periods when sampling in the field. Valid Driver's license (U.S.A) or ability to obtain one within two months of hire.

Additional Information

This position is classified as exempt grade I. Compensation for this grade is $61,680 Per year.

We encourage you to explore Drexel's Professional Staff salary structure and Compensation Guidelines & Policies for more details on our compensation framework.

You can also find valuable information about our benefits in the Benefits Brochure.

Special Instructions to the Applicant

Please make sure you upload your CV/resume and cover letter when submitting your application.

A review of applicants will begin once a suitable candidate pool is identified.

Jason Munshi-South, Ph.D. Betz Chair & Professor Department of Biodiversity, Earth & Environmental Science Drexel University Philadelphia, PA 19104 e-mail: jm5383@drexel.edu phone: (215) 895-2628

"Munshi-South,Jason" <jm5383@drexel.edu>

EdinburghU GenomicsMetagenomicsPopDecline

A 3-year NERC-funded postdoc position in Genomics and Metagenomics of Population Declines

We are looking for an eager, inquisitive scientist to work on the interactions of host and microbiome during population declines, by analysing temporal host genomic and metagenomic data from museum specimens of several mammalian species.

One of the greatest hallmarks of recent human-driven effects on the environment is biodiversity loss, including rapid population declines and associated loss of genetic diversity. Host-associated microbiomes are central to host survival and are themselves impacted by host genetics. Recognising this intimate connection between the hosts and their microbiomes, we aim to answer a central question: How did human-driven population declines during the last two centuries impact host-associated microbiomes and what consequences does it have for the hosts? We will integrate host genomic data and microbial fossils preserved in the form of the calcified oral biofilm - dental calculus - to study host-microbiome co-evolution during periods of unprecedented population declines.

The project is based at the University of Edinburgh, Institute of Ecology and Evolution, in the group of Dr. Katerina Guschanski.

Your task Analyse genomic and metagenomic data derived from museum-preserved specimens of several mammalian species and their microbiomes to study their joint effects in declining populations. The paired host-microbiome samples span from before population declines, during the bottleneck, and following (potential) population recovery, depending on the species. You will be using population genomics framework to understand the effects of population size reduction on the host, and

multi-omics/hologenomics approaches to study the interactions between hosts and the microbiomes. Even though the main focus is on data analyses, you will have the chance to participate in sampling in various natural history museums and contribute to data generation in the newly established ancient DNA lab. You will be assisted by a postdoc and a research technician, and will be closely interacting with PhD and Honours students.

Requirements A PhD degree in population genomics, evolutionary genomics, conservation genomics or a related field. Strong knowledge of population genetics theory and extensive previous experience in population genomics analyses, ideally in wild, non-model organisms. Proven ability to use and develop code for large-scale genomics data analyses and strong skills working with large-scale datasets. You will be collaborating closely with a postdoctoral researcher who is an expert in metagenomics, so we are looking for a curious, highly collaborative, and cross-disciplinary mindset and a broad interest in biodiversity conservation. Experience with wet lab analyses of ancient DNA or molecular lab work would be an asset, as well as experience with analyses of low-coverage population genomics data and multi-omics statistics.

What we offer We are a highly international research group working on various questions of evolution, speciation, adaptation, and conservation genomics, with particular focus on how human actions affect the environment. As part of the Institute of Ecology and Evolution, the post is located in a world-class, dynamic scientific environment with over 40 research groups working on all aspects of evolutionary ecology, population genetics, behaviour and more. It is a highly collaborative and welcoming place, which provides the resources to advance your own career along your desired path through mentorship, professional development opportunities, and opportunities to develop collaborations that extend beyond the core group.

Application More information on the post and the link to the application portal is here: https://elxw.fa.em3.oraclecloud.com/hcmUI/-CandidateExperience/en/sites/CX_1001/job/11522 Application deadline: November 25th, 2024 Expected interview dates: Mid December Expected starting date: March 1st, 2025 or soon thereafter

Contact: Please reach out to Katerina.guschanski@ed.ac.uk for more information and informal inquiries about the post.

Katerina Guschanski Senior Lecturer Institute of Ecology and Evolution School of Biological Sciences

The University of Edinburgh Ashworth Laboratories Charlotte Auerbach Road Edinburgh, EH9 3FL UK Office: +44 (0)131 650 7489 Email: Katerina.Guschanski@ed.ac.uk

Group leader Evolutionary Biology Centre Department of Ecology and Genetics/Animal Ecology Uppsala University Norbyvägen 18D SE-752 36 Uppsala, Sweden

Lab page: http://www.ieg.uu.se/animal-ecology/-Research+groups/guschanski-lab Office: +46 (0)18 471 2673 Email: katerina.guschanski@ebc.uu.se

The University of Edinburgh is a charitable body, registered in Scotland,

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ETHZurich MicrobialPredationEvolution

Postdoctoral researcher in Evolutionary Ecology of Microbial Predation

Location: Zurich, Switzerland Department: Department of Environmental Systems Science, ETH Zurich Group: Velicer lab - microbial sociality, predation, and development Duration: 2 years minimum Start: Ideally March 1, 2025; alternative dates can be discussed

We invite applications for a highly motivated and talented postdoctoral researcher (100%) in microbial evolutionary ecology to join Greg Velicer's lab group at ETH Zurich. The successful candidate will take over an ongoing, large-scale evolution experiment that investigates the effects of different predators - multiple species each of myxobacteria, Bdellovibrio-and-like organisms, dictyostelids, and nematodes (and some multi-predator combinations) - on the diversity of a bacterial prey community and the dynamics of predator-prey co-evolution and adaptation. The experiment - currently led by a postdoc who is leaving to start a new group with an ERC Starting Grant - represents one line of research in our lab's broader focus on microbial predation, sociality, and aggregative multicellularity. In addition to taking over an innovative ongoing project, the successful candidate will have opportunity to develop a new project within the group's broader interests. See www.evo.ethz.ch and www.myxoee.org for additional information about our work and Google Scholar

for relevant publications: https://scholar.google.ch/-citations?user=Vz_yy3MAAAAJ&hl=en&authuser=1 Key responsibilities - Take over the lead and complete an ongoing, large-scale evolution experiment investigating predator-prey co-adaptation and the impact of diverse types of predators on prey community diversity and stability. - Publish research results in high-quality journals and present findings at international conferences. - Contribute to the development of new research directions, leveraging the lab's expertise and your own background in microbial ecology and evolution. - Collaborate with fellow lab members and contribute to the intellectual environment of the lab by mentoring students and discussion. - Apply for external research funding to develop and support future projects.

Qualifications - PhD in a relevant field, including microbial ecology, community ecology, or evolutionary biology. - A strong background in experimental evolution, microbial interactions, community metagenomics, molecular genetics, and/or predator-prey dynamics would be advantageous. - Experience with microbial culturing techniques, experimental design, and quantitative data analysis. - A strong record of creative research, including a proven ability to publish in peer-reviewed journals and present research at scientific meetings. - Excellent oral and written communication skills and the ability to work both independently and collaboratively as part of a scientifically and culturally diverse team. - Strong motivation to pursue independent research and apply for external funding.

We offer - Participation in a highly collaborative research group pursuing diverse projects within our broader area of study. - The opportunity to work on a project with the potential to significantly advance our understanding of microbial community ecology and co-evolutionary dynamics. - Access to state-of-the-art facilities and equipment for microbial evolution research. - Opportunities for professional development, including mentoring, grant writing, and leadership roles within the project. - A vibrant community of ecologists, evolutionary biologists, and microbiologists in Zurich that offers many opportunities for interaction and collaboration (https://ibz.ethz.ch/research/eco-evo-zurich.html). - A cutting-edge research environment at ETH Zurich, one of the world's leading research institutions.

Funding and compensation - Funding for two years is available. A longer position duration will be possible if funding from a competitive fellowship is secured. - ETH Zurich offers competitive salaries and a comprehensive benefits package, including retirement benefits as well as professional development support.

How to apply Please send your motivation letter, CV, and the contact information for two persons who have agreed to provide reference letters to Rita Jenny (rita.jenny@env.ethz.ch) with the subject line "Predation postdoc". Deadline: November 15, or until the position is filled. Please contact Greg Velicer (gregory.velicer@env.ethz.ch) with informal inquiries.

Diversity ETH Zurich is committed to promoting diversity and equal opportunities. We encourage applications from individuals with relevant training from all backgrounds and experiences.

Velicer Gregory <gregory.velicer@env.ethz.ch>

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Frankfurt ComparativeGenomicsBats

ERC-funded Postdoc Position in Comparative Genomics

The Hiller Lab at the Senckenberg Research Institute in Frankfurt, Germany has an opening for a Postdoc to work on our BATPROTECT project to investigate the genomic basis of long healthspans, disease resistance, and viral tolerance in bats.

BATPROTECT is a 6-year funded ERC synergy grant project that will use bats as natural models of healthy aging and disease tolerance to elucidate the molecular mechanisms behind bats' exceptional longevity and resistance to viral and age-related diseases. BATPROTECT brings together a team of global leaders in bat biology and ageing (Emma Teeling, Dublin), bat immunology and virology (Linfa Wang, Singapore), evolution and genomics (Michael Hiller, Frankfurt), and ageing model organisms (Bjoern Schumacher, Cologne) that will jointly investigate aging and immune responses in bats from the wild and captive colonies, discover genes with evolutionary importance for longevity and disease resistance, and functionally validate longevity and immune regulators in stem and differentiated cells of bats and model organisms, with the ultimate goal to uncover new directions to improve human healthspan and disease outcome.

The Project Our goal is to uncover the genomic basis of exceptional healthspans and disease tolerance in bats,

understand the evolution of these traits, and identify key molecular targets for functional validation. To this end, we are generating ~150 new reference-quality bat genomes and transcriptomic datasets, and will analyze these data using our established methods repertoire (TOGA and others). Work includes comparative genomic screens to identify key adaptations in coding and non-coding genes as well as differences in gene expression patterns across the bat phylogeny, associating genomic and transcriptomics changes with longevity and viral reservoir traits, identifying novel bat genes, and investigating the evolutionary history of endogenized viral elements. The postdoc will work closely with other members of the BATPROTECT team, the Hiller lab, and other Bat1K collaborators. We also offer exchanges with the other BATPROTECT labs and yearly retreats with all project members.

Your Profile - PhD degree in genomics, bioinformatics/computational biology, or a related area - Research experience in comparative genomics - Excellent programming skills in a Linux environment, experience with shell scripts and Unix tools

Our Lab The mission of our lab is to understand how nature's fascinating phenotypic diversity has evolved and how it is encoded in the genome. Work in the lab includes sequencing and assembly of reference-quality genomes, genome alignment and gene annotation, development and application of comparative genomic methods to discover differences in genes and gene expression, and the use of statistical approaches to link phenotypic to genomic changes. Our lab is part of TBG (https://tbg.senckenberg.de/) and the Senckenberg Research Society (https://www.senckenberg.de/en/), and is based near the city center of Frankfurt am Main, Germany. TBG provides access to cutting-edge computational (large HPC clusters, genome browser) and lab infrastructure to sequence and analyze genomes. English is the working language in our lab.

We offer - Funding is available for 6 years - Flexible working hours - opportunities for mobile working - annual special payment - company pension scheme - Senckenberg badge for free entry in museums in Frankfurt. - leave of 30 days/year - Frankfurt is a vibrant and highly international city at the heart of Europe that combines a skyscraper skyline with ample parks and green areas. The Economist 2022 index ranked Frankfurt among the top 10 most livable cities worldwide.

How to apply Please send us your application documents, as a single pdf, containing - a CV with a publication list and contact information for at least two references - a summary of previous research experience (max 1 page) - and copies of certificates, transcripts and grades in electronic form by November 15th, 2024 to recruiting@senckenberg.de quoting the reference number #12-24013, or apply through https://www.senckenberg.de/-en/career/apply-online/ For more information about the lab and the project, please contact Michael Hiller (michael.hiller@senckenberg.de) or visit the lab webpage https://tbg.senckenberg.de/hillerlab/ . Michael Hiller, PhD Professor of Comparative Genomics LOEWE Centre for Translational Biodiversity Genomics, Senckenberg Society for Nature Research & Goethe University, Frankfurt am Main, Germany

Michael Hiller <michael.hiller@senckenberg.de>

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Hilo Hawaii InsectSexChromosomeEvolution

Postdoctoral Research Associate Position in Sex Chromosome Evolution, USDA-ARS Hilo, Hawaii

The USDA-ARS Tropical Pest Genetics and Molecular Biology Research Unit in Hilo, Hawaii is in search of a postdoctoral research associate to work on a two-year USDA-funded research project investigating sex chromosome evolution in agriculturally important species. This project aims to investigate the structure, function, and epigenetic control of genes on the X and Y chromosomes of fruit flies in the insect family Tephritidae which are major agricultural pests of specialty crops. Using full-length transcriptome sequencing and ATAC-Seq, the incumbent will explore chromosome-scale genome assemblies to evaluate changes in gene content on the X and Y chromosomes across taxa. The goal of this project is to better understand sex chromosome evolution in Tephritidae and apply knowledge of sex-specific gene function to pest management. The incumbent will be responsible for guided experimental design, data analysis, and manuscript preparation. To support the research and training of the postdoctoral research associate, the research unit has expertise in arthropod genomics and houses a multi-million dollar genomics laboratory highlighted by a suite of high-throughput sequencing platforms (PacBio Revio, Oxford Nanopore Promethion , and Element Aviti) for which the researcher can gain hands on experience with library preparation and sequencing if desired. Additionally, high-performance compute infrastructure is available, including hardware focused on AI approaches which can be utilized by this

project, including training and professional development opportunities in bioinformatics and data science and a large network of scientists and postdoctoral research fellows as your peers.

The ideal candidate for this position will have:

- PhD in Biology, Evolution, Genetics, Entomology or related field with degree conferred at the time of hiring - Demonstration of excellent written and oral communication - Experience with manual gene annotation - Comfort with high-throughput sequence data analysis - Comfort with BASH, R, and command-line usage on an HPC - Comfort with Python3, Git, and workflow management - Experience with differential expression and epigenetic peak analysis - Experience in entomological systems

The starting salary for this position is $75,640 with full federal benefits. This role is not remote. Projected start date is flexible and contingent on background clearance. This position is to be hired as a federal employee, so only US citizens will qualify. The US Department of Agriculture, Agricultural Research Service is an equal opportunity/affirmative action employer.

Please send inquiries about this position by email to: sheina.sim[at]usda.gov

Sheina B. Sim, PhD (she/her) Research Biologist United States Department of Agriculture Research, Education, and Economics Agricultural Research Service Pacific West Area Daniel K. Inouye United States Pacific Basin Agricultural Research Center Tropical Pest Genetics and Molecular Biology Research Unit (USDA-REE-ARS-PWA-DKI-US-PBARC-TPGMBRU) 64 Nowelo Street Hilo, HI 96720 USA sheina.sim@usda.gov

"Sim, Sheina - REE-ARS" <sheina.sim@usda.gov>

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ImperialC London WheatMicrobiomeDevelopment

A 2 year Postdoc position as part of a large team developing crop microbiomes that resist pathogens.

The Graystock Lab at the Silwood Park Campus of Imperial College London is seeking a microbial ecologist interested in pioneering a new approach towards suppressing the pathogens of one of the world's most important staple crops, wheat (T. aestivum). We aim to do this through manipulation of the extant soil microbiome. The project aims to 1) optimise/engineer soil microbiomes to aid the suppression of the take-all fungus, Gaeumannomyces tritci, in the wheat rhizosphere; and 2) to advance our fundamental understanding of microbial community dynamics in complex environments. This project represents a multi-disciplinary collaboration among the Pawar, Ransome, Waring and Bell labs.

Through directed artificial selection, we will develop soil microbiomes that exhibit suppression of take-all disease in the greenhouse setting. Working in climate-controlled growth facilities and with the assistance of a laboratory technician, you will lead the development of a soil microbiome to reduce disease virulence and improve crop yield. With the assistance of bioinformaticians and mathematicians within the wider group you will go on to identify the microbial taxa and/or metabolic networks which most strongly influence crop performance. As such, you will play a key role in the development of a sustainable, microbial solution, combatting one of the most harmful diseases of wheat crops.

What you would be doing Your primary task will be to help design and carry out lab/CE-room experiments to explore ways to manipulate and optimise soil microbiomes to promote wheat growth and/or suppress resistance to G. tritici. You will work as part of a diversly skilled collaboration, all based at the Silwood Park campus of Imperial College London and working on this system and overarching goal to develop a sustainable strategy to control take-all disease in wheat. The experiment will also involve some exploration into the use of robotics and spectral analysis in assessing crop health.

You will be assisted in this effort by a team of four PDRAs, two research technicians, and many post-graduate students across the five collaborating lab groups, who will be engaged in the laboratory optimisation of the disease-suppressing inoculum, molecular and culture-based studies of microbial physiology, and computational modelling to understand and predict the dynamics of microbial communities. By working closely together, this team has the potential to significantly advance our capacity to manage complex microbiomes to improve the sustainability of agriculture. You will therefore be expected to interact frequently with your colleagues in the laboratory, in the field, and through regular group meetings. You will also have the opportunity to supervise of undergraduate and post-graduate student projects. Finally, you will be provided the resources to advance your own career along your desired path, through mentorship, professional development opportunities, and opportunities to develop collaborations that extend beyond the core group, including with Rothamsted Research and CABI.

More information here: https://www.imperial.ac.uk/-jobs/search-jobs/description/index.php?jobId=21411
p.graystock@imperial.ac.uk

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INRAE UAngers GenomicsBioinformatics

Postdoctoral Scientist in Genomics/ Bioinformatics - 24 months

IRHS (Institute of Research in Horticulture and Seeds) is a joint research unit (UMR 1345) under the supervision of INRAE, the Rennes-Angers Agro Institute and the University of Angers. It is a research institute composed of 14 research teams and several mutualized technical platforms that integrate expertise in genetics, genomics, epigenomics, physiology, biochemistry, and bioinformatics. Located in Angers (France), researchers enjoy a privileged working environment in a dynamic scientific and teaching environment.

Purpose We are looking for a high skilled and motivated Postdoctoral Researcher to join our team (VALEMA - VALorization of Epigenetic Marks in plAnts) in Angers for a two years contract (January 2025 to December 2026). We study the effects of transposable elements (TE) on genome evolution and plant adaptation to climate change. The successful applicant will join an international project focused on a perennial plant (Apple - Malus Domestica) which aims at (i) characterizing recent natural TE transposition events and their potential effects on plants response to the environment, and (ii) exploiting and inducing this naturally occurring phenomenon to generate novel genotypes in order to propose an alternative method to plant breeding.

Your tasks and responsibilities You will contribute to establish and validate new bioinformatic methods to compare genome sequences (generated from long read sequencing technologies), identify recent TE insertions, and characterize their effects on plants response to environmental constrains. To this end, you will actively interact with bioinformaticians, data scientists and molecular biologists in an international and interdisciplinary project (a 6-month stay in Switzerland is planned).

Your profile We seek a candidate who possesses the following:

PhD in Genomics and Bioinformatics, with strong foundation in plant genomics, as well as strong scientific track record and problem-solving capacities

Strong background in genome analysis required, particularly in Transposable Element analysis

Experience in project management in a multidisciplinary and international context

Experiences in plant phenotyping, molecular biology are helpful

Excellent communication and presentation skills

Excellent proficiency in English, both spoken and written, knowledge of French is an advantage

We support a flexible working model with the option of partially working from home. During this postdoctoral experience you will integrate a dynamic team where you will be able to apply your expertise and grow your competencies in a supportive environment.

How to apply: Applications should be sent via email to jean-marc.celton@inrae.fr, sandrine.balzergue@inrae.fr and anne-laure.fanciullino@inrae.fr Applications must include an up-to-date resume, a motivation letter and a complete grade report of the PhD degree. Letters of support are welcomed.

Jean-Marc Celton <jean-marc.celton@inrae.fr>

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JohannesGutenbergU SulawesiTarsierPhylogeography

Dear all, I would like to draw your attention to our new job advertisement:

The Anthropology Research Group at the Johannes Gutenberg University Mainz is hiring for a 9-month postdoctoral position. This is an exciting opportunity for anyone interested in the phylogeography of Sulawesi tarsiers. The candidate will join the research group and investigate aspects of the colonization and diversification of these small nocturnal primates within the Wallacea region. General information

Offer title: PostDoc on Sulawesi Tarsier Phylogeography

Number of positions: 1

Workplace: Johannes Gutenberg University of Mainz (up to 50% mobile working per week might be possible)

Type of Contract: Scientist TV-L 13

Contract Period: 9 months

Expected date of employment: 1 January 2025

Proportion of work: Full time

Application deadline: Application deadline is the 1st of November 2024. However, applications will be reviewed and processed upon receipt.

Description In the past four decades, the recognition of only one Sulawesi tarsier species (Tarsius spectrum) was overturned by the discovery of a stunning morphological, behavioral, and genetic diversity of Eastern tarsiers resulting in the current recognition of 12 species. This diversity is closely linked to the island's complex geological past. Sulawesi is located in the collision zone of major tectonic plates. The postdoc will be involved in projects exploring diversification of tarsiers and processes of speciation and secondary contact. Possible project aims are the reconstruction of the demographic history of central Sulawesi tarsiers (based on MIGseq data), analysis of hybridization between adjacent species (WGS data) or refinement of the tarsier phylogeny by inclusion of museum specimens. The detailed working program can be tailored to the interests of the candidate.

Requirements: We are looking for a highly motivated candidate with curiosity about the evolutionary history of species and how this is linked to the geological past of its range. The candidate should hold a PhD, or equivalent degree, in biology, genetics or evolutionary anthropology. The datasets will already be available at the start of the project; thus sampling will not be necessary. The comparably short project time will require experience in the analyses of genomic data.

If you are interested in working on this fascinating study system and join our team, please email lhageman@uni-mainz.de. Please include a brief and non-formal letter of motivation, a CV and the contact details of two referees with your application. I am also happy to answer all questions you may have.

"Hagemann, Laura" <la_hagemann@web.de>

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KielU Germany
Host-MicrobiomeGenomics

A Postdoc position (m/w/d) on the genomics of host-microbiome interactions

Well-motivated and highly-qualified students from all countries are welcome to apply. We are looking forward to your application for a postdoc position in the beautiful landscape of Northern Germany.

Your profile: - PhD degree in a field related to Genomics, ideally in combination with host-microbiome interactions and/or population genomics - Experience in analysis of genomic data, ideally using population genetic/genomic approaches. - Any of following expertise is an advantage: programming (e.g., Python), biostatistical analysis (e.g., with R), or research related to host-microbiome interactions and/or genome analysis of the model nematode Caenorhabditis elegans. - Good oral and written communication skills in English. - Motivation to learn and research topics in basic science.

The objectives of the Postdoc position and a concomittently advertised PhD position are to understand the genomic basis of host-microbiome interactions and their evolution to new environmental conditions, using the nematode C. elegans as a model host system. These C. elegans-microbiome interactions are studied with the help of mesocosm and evolution experiments. Material for genomic analyses is already available, and more will be produced in connection to the advertised projects. See related publications: https://doi.org/10.1038/s41564-023-01468-x and https://doi.org/10.1038/s41396-023-01507-9. The project is part of the research consortium CRC1182 on the Origin and Function of Metaorganisms (https://-www.metaorganism-research.com/), providing numerous opportunities for exchange with colleagues working on related topics.

The positions are based in the Schulenburg group (Kiel University, Northern Germany) for a period of 36 months at the earliest possible date. Research in the Schulenburg group focuses on the evolution of host-microbe interactions and antimicrobial resistance evolution, combining experimental evolution, genomics, and functional genetic analyses. See: https://evoecogen-kiel.de/. The working language of the group is English.

Kiel University sees itself as a modern and cosmopolitan

employer. We welcome your application regardless of your age, gender, cultural and social background, religion, ideology, disability or sexual identity. We promote equality of the sexes. Kiel University is committed to the employment of people with disabilities. Preference will be given to applications from severely handicapped persons and persons of equal standing, provided they are suitable. We expressly welcome applications from people with a migration background.

For enquiries regarding the position and research topic please contact Prof. Dr. Hinrich Schulenburg: hschulenburg@zoologie.uni-kiel.de

Applications should be sent by email to Hinrich Schulenburg (hschulenburg@zoologie.uni-kiel.de) as a single PDF. Please use 'Application Genomics - [your name] - Postdoc' as a subject. Applications should include: (1) A letter of motivation (max 1 page, Arial 11, line spacing 1.15). In your motivation letter, please explain how your background fits the required profile and how your research interests align with the group research focus. (2) Curriculum vitae, including names and contact details of 1-2 referees. (3) Master certificate (or current grades transcript in case of ongoing studies)

Please, refrain from sending us application photos.

Application deadline: 21.11.2024

Hinrich Schulenburg (he/him)

Evolutionary Ecology and Genetics Christian-Albrechts-Universitaet zu Kiel Am Botanischen Garten 9 24118 Kiel Germany Tel: +49-431-880-4143/4141 Email: hschulenburg@zoologie.uni-kiel.de

www.evoecogen-kiel.de/ www.evolbio.mpg.de/-3248501/antibioticresistance www.transevo.de www.metaorganism-research.com www.kec.uni-kiel.de www.kielscn.de/ symbnet.eu/ www.evolbio.mpg.de/-imprs Hinrich Schulenburg <hschulenburg@zoologie.uni-kiel.de>

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LIB Bonn Germany PathogenDiveristy

1-year position at Leibniz Institute for the Analysis of Biodiversity Change (LIB), Germany

The LIB has a vacancy for a postdoctoral researcher (f/m/d) in the Leibniz Lab "Pandemic Preparedness" at the Bonn location, initially limited to one year, 100% hours, remunerated according to E13 (TV-L) hosted in the labs of Alexander Suh and Madlen Stange. The Leibniz Lab "Pandemic Preparedness",in which 41 Leibniz Institutes jointly address the most pressing questions about how to deal with future pandemics, combines expertise from various disciplines with practical knowledge to develop evidence-based strategies that permanently strengthen the pandemic resilience of society and science (https://www.leibniz-gemeinschaft.de/-en/research/leibniz-labs/pandemic-preparedness). The present position is anchored within the key area "interaction of the environment, animals and humans in relation to the emergence and spread of pathogens" of the Leibniz Lab "Pandemic Preparedness" and brings together nearly a dozen Leibniz Institutes across disciplines.

About the position: - Meta-analysis of existing knowledge and existing data sets on pathogen diversity through time and space - Coordination of knowledge synthesis between the involved Leibniz Institutes - Preparation of data analysis for targeted pathogen discovery

Our requirement profile: - Qualifying university degree (PhD) in biology, genetics, bioinformatics, biomedicine, virology or a related field - Excellent communication skills, ability to work independently and as a team - Excellent skills in spoken and written English - High commitment and curiosity to understanding pathogen diversity - Project coordination skills are an advantage - Programming skills and/or experience in large-scale pathogen identification are an advantage

Applications should be submitted in English. The documents should include a covering letter (including the date when the position can be started and the motivation for this position), a CV in table form, final certificates and two reference contacts. Please send your application only digitally via our applicant portal to Ms Josefine Winkels (bewerbung@leibniz-lib.de): https://8101202752.karriereportal.cloud/job/-2024-18-Postdoctoral-researcher-(f_m_d)- The closing date for applications for this position is 18 October 2024. You can find more information about our institution at https://leibniz-lib.de/ . The Leibniz Institute for the Analysis of Biodiversity Change (LIB), formed by the merger of the Zoological Research Museum Alexander Koenig (ZFMK), Bonn and the Centre for Natural History (CeNak) of the University of Hamburg, is an internationally operating research institute. As a research museum of the Leibniz Association, the LIB contributes to taxonomic and molecular biodiversity research and to the conservation of global biodiversity, documents and analyses evolutionary and ecological biodiversity change and participates in public communication about

biodiversity change and its possible causes.

Dr. Madlen Stange Junior Research Group Leader (PhoxHy), Bonn Museum Koenig Bonn Leibniz Institute for the Analysis of Biodiversity Change Postal address: Adenauerallee 127 53113 Bonn +49 228 9122 - 367 m.stange@leibniz-lib.de www.leibniz-lib.de Stiftung Leibniz-Institut zur Analyse des Biodiversitätswandels Postanschrift: Adenauerallee 127, 53113 Bonn, Germany

Stiftung des öffentlichen Rechts; Generaldirektion: Prof. Dr. Bernhard Misof (Generaldirektor), Adrian Grüter (Kaufm. Geschäftsführer) Sitz der Stiftung: Adenauerallee 160 in Bonn Vorsitzender des Stiftungsrates: Dr. Michael Wappelhorst

Madlen Stange <M.Stange@leibniz-lib.de>

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LundU ElephantConservation-Palaeogenomics

Post-doctoral fellow in Palaeogenomics and conservation genomics Lund University, Sweden

We are recruiting a postdoc for 2 years (with possibility of extension for one more year) at the Department of Biology, Lund University, Sweden. The project aims to quantify the loss of genomic diversity through five millennia of elephant ivory trade. It includes a genomic analysis of elephant ivory confiscated in illegal imports to Europe and historical ivory from museums and archaeological collections as a source of key insights into elephant evolutionary history and the present-day poaching crisis.

The project is led by Dr. Patrícia Peènerová (patriciapecnerova.com) who is based at the University of Copenhagen. The postdoc will be hosted by Prof. Bengt Hansson at the Molecular Ecology and Evolution Lab, Department of Biology, at Lund University.

Work description

The project will use an interdisciplinary approach combining ancient DNA, population genetics, and conservation genetics. Collaboration with archaeologists, palaeontologists, historians, curators, conservationists, and forensics officials is an integral part of the project. The postdoc will help inform study design and perform research including recovering and analyzing ancient DNA using state-of-the-art genomic methods and writing up the results for publication in scientific journals. The position includes opportunities for participating in international conferences/meetings, sampling trips, and visits to collaborators across Europe.

Requirements

A PhD, or an international degree deemed equivalent to a PhD, within the subject of the position.Documented ability to develop and complete high-quality research.A comprehensive understanding of evolutionary and population genetics theory.A demonstrated track-record in handling high-throughput DNA sequencing data and bioinformatic analyses.Experience with wet lab analyses of ancient DNA or molecular lab work.A curious, collaborative, and cross-disciplinary mindset.Interest in biodiversity conservation.Very good oral and written English skills.

Application

Applications shall be written in English and be compiled into a PDF-file containing:

A cover letter stating reasons for applying for this position, outlining why you are suitable for the position, and giving a general description of past research and future research interests (no more than 2 pages).Résumé/CV, including degrees and other completed courses, skills and work experience in laboratory and computational analyses, and a list of publicationsContact information for 2-3 references.Copy of the doctoral degree diploma.

Application deadline: 25 November 2024 Expected starting date: 20 January 2025 or as soon as possible thereafter Apply at https://lu.varbi.com/en/what:job/-jobID:765802/ Contact

Further information about the position can be obtained from Dr. Patrícia Peènerová, patricia.pecnerova@bio.ku.dk, and Prof. Bengt Hansson, bengt.hansson@biol.lu.se.

Patrícia Chrzanová Pecnerová <patricia.pecnerova@bio.ku.dk>

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MichiganStateU SwitchgrassGenomicsEvolution

The Lowry Lab in the Department of Plant Biology at Michigan State University (MSU) is seeking a Postdoctoral Research Associate who will conduct DOE-funded

research on field and genomic datasets that have been collected from large switchgrass experiments over the past decade. Switchgrass is a native North American plant that is ideal for studies of climate adaptation and is being improved through breeding for the future Bioeconomy (Biofuels and Bioproducts). Responsibilities will primarily include conducting statistical/genomic analyses and leading the writing of manuscripts. However, there is also the opportunity for this postdoc, if they choose, to oversee parts of the switchgrass field experiment/breeding program and conduct experiments on resilience to environmental stresses. The Postdoctoral Research Associate is expected to work collaboratively with members of the Lowry Lab at Michigan State University, including undergraduate and graduate students as well as technicians, to carry out this research. The successful applicant will also be expected to attend meetings of the DOE Great Lakes Bioenergy Research Center and MSU Plant Resilience Institute and participate in the annual switchgrass harvest in Michigan.

Please submit applications by November 10th through the CAREERS@MSU portal:

https://careers.msu.edu/en-us/job/520982/research-associatefixed-term Thanks,

David

David Lowry dlowry@msu.edu Professor Department of Plant Biology Associate Director Plant Resilience Institute Michigan State University http://davidbryantlowry.wordpress.com/ David Lowry <davidbryantlowry@gmail.com>

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Montpellier PopulationGenomicsOnTemporalSeries

Announcement : Post-doc on population genomics on temporal series

We are looking for a candidate to apply with us for postdoctoral funding opportunities. The postdoctoral project will focus on the speed of adaptation in cultivated plants. Adaptive polymorphisms can be detected through genomic scans or GWAS approaches and the adaptive potential can be quantified through genomic vulnerability approaches. However, the rate at which these adaptive polymorphisms increase in frequency within populations remains unknown.

In the context of climate change, it is an important research question to know whether this rate is sufficient to meet the urgency of climate change. The question is particularly relevant in the context of landraces, which are subject to both natural and human selection two forces that may act in synergy or in opposition. To address this, we have a temporal genomic dataset on pearl millet landraces tracking changes over a 7-years period, allowing us to quantify the impact of human and natural selection on both neutral and adaptive markers. The postdoc will join the DYNADIV team (https://sites.google.com/site/plantbiodiversityadaptation/home) at UMR DIADE (diade.ird.fr). If you are interested by this topic, please contact Cécile Berthouly-Salazar (cecile.berthouly@ird.fr) and Anne-Céline Thuillet (anne-celine.thuillet@ird.fr) by sending your CV for an initial discussion ASAP. Several options for funding can be considered (MOPGA - December 2024, Post-Doc IRD -April 2025, etc). Our team will support the candidate in answering calls. Ongoing MOPGA call closes on December 5th 2024 (https://www.campusfrance.org/en/mopga-2025).

Applicants should have a PhD or postdoctoral experience in a relevant area (evolutionary biology, population genomics). We will prioritise someone with a vivid interest in evolutionary biology and speciation/adaptation research and with a strong background in population genomics and statistical genetics. Experience in handling genomic data and population genomics methods, as well as skills in bioinformatics and programming, are required. Previous experience with simulation-based methods would be a plus. Good written and verbal communication skills, interpersonal skills, a strong work ethic, and the ability to think creatively and critically are desired. Working language can be either English or French, depending on the candidate preference.

The position will be based at IRD (French national research institute for sustainable development), in Montpellier, France. Collaborations with other ongoing projects on crops evolution and adaptation will allow the post-doctoral fellow to benefit from a rich collaborative network, as well as a stimulating working environment in Montpellier, a centre of excellence in (agro)biodiversity research.

Salary will depend on the grants conditions but are usually around 2000 euros per month after taxation. Health insurance costs for the candidate and his/her family are included in the taxation (https://www.cleiss.fr/docs/regimes/regime_france/an_1.html). Foreigners can benefit from government support for housing and children's education depending on their income. French school

fees are free or low. Several public schools located in Montpellier area offer international sections (English, Spanish, Arabic, Chinese). Foreign researchers can get additional information and administrative help from Euraxess local office. The city of Montpellier and it surronding area combine culture, good infrastructure, warm weather (with soft winters), all the amenities within a walking distance and a sophisticated yet not too urbanised lifestyle. Montpellier is a dynamic city with more than 50% of the population under 34 years old because of its universities and its living environment. Montpellier has its own airport with connections to the UK and Europe and a direct train to Paris and other main European cities (Barcelona, Lyon, etc.). Surroundings combined with Mediterranean climate offer great opportunities for outdoor activities in sea and mountain environments.

Thanks

Cécile

Cécile Berthouly-Salazar Research Director, HDR Co-Head of Dynadiv Team - UMR DIADE

Tel: +33 (0)467416439 / Whatsapp : +33 (0)781530518 IRD - Institut de Recherche pour le Développement 911 avenue d'Agropolis BP 64501 34394 Montpellier Cedex 5

NB: Please note that I do not work on Wednesdays.

https://sites.google.com/site/plantbiodiversityadaptation/home?authuser=0 http://diade.ird.fr/ Cécile BERTHOULY <cecile.berthouly@ird.fr>

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NewMexicoStateU VirusEvolutionaryEcol

The Hanley lab in the Department of Biology at New Mexico State University (https://hanleyviruslab.nmsu.edu/) seeks to hire a post-doctoral fellow to lead a USDA-funded study of the evolutionary ecology of vesicular stomatitis virus (VSV) in Costa Rica. In this project, we seek to leverage our existing collaborations across disciplines and across countries to investigate the dynamics of VSV in two ecological zones in Costa Rica, one (premontane tropical forest) in which the virus circulates endemically and one (tropical dry forest) in which the virus initiates periodic outbreaks. Thus, in a single, relatively small country, we can probe the dynamics of endemicity and outbreak that play out across the much larger expanse of North America, resulting in periodic VSV outbreaks in the US. Additionally, in Costa Rica we will mirror our current investigations of the sylvatic cycle of VSV in Mexico in order to ascertain whether similar vectors and hosts may mediate VSV transmission in wildlife across the endemic range of this virus, or whether sylvatic transmission may be idiosyncratic at the regional level.

The post-doc would be expected to coordinate all fieldwork and implement some aspects of fieldwork, coordinate communication among project partners, receive data from multiple project activities and clean, reconcile and analyze these data, participate in writing project reports, and lead project publications. The post-doc would be expected to split their time between Las Cruces, NM and Costa Rica, with the final allocation of time to be negotiated but to be no less than four months in Costa Rica per year. The project is currently funded for two years with a possibility of extension. Experience in tropical fieldwork, disease ecology, virology, and vector biology are all desirable but not required. Competency in Spanish is required.

The Hanley lab welcomes trainees of all races, ethnicities, cultural identities, sexual orientations and gender identities. Motivated, thoughtful, curious people with a deep-seated interest in emerging and resurging viruses are encouraged to contact Dr. Hanley about this position at: khanley@nmsu.edu

Applications, including a CV and cover letter, should be submitted at: http://careers.nmsu.edu/cw/en-us/job/501470 Dr. Kathryn A. Hanley (she/her) Regents Professor Department of Biology New Mexico State University Las Cruces, NM 88003

email: khanley@nmsu.edu telephone: 575 646 4583 https://hanleyviruslab.nmsu.edu/index.html There is nothing new under the sun, but there are new suns. Octavia E. Butler

Kathryn Hanley <khanley@nmsu.edu>

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PurdueU EvolutionNewGenes

The ECSO Lab in the Department of Biological Sciences at Purdue University is looking for a motivated and independent postdoctoral researcher with an interest in evolutionary biology and systems biology. The position is for a minimum of 2 years (extendable to 3 years). The proposed project is funded by the John Templeton Foundation and aims to investigate the evolutionary trajectory of nascent genes and their energetic costs in experimentally evolved populations. The ideal candidate should have prior experience and/or a strong interest in conducting genome and transcriptome sequencing and analysis, ribosome profiling (Ribo-Seq), and mass spectrometry-based proteomics. Learn more about the lab's research at: https://www.ecsolab.com . The applicant should have:

- a PhD, or is expected to complete a PhD within a year, in molecular biology, biochemistry, systems biology, evolutionary biology, or a related field, - an interest in evolutionary biology and systems biology, - an interest in learning/implementing new 'omics techniques, - excellent communication and interpersonal skills, and - an interest in mentoring students and collaborating with other trainees.

The ideal candidate should have some previous experience in:

- preparing and sequencing Illumina and/or Nanopore sequencing libraries, or - implementing and optimizing Ribo-Seq or ribosome profiling, or - analyzing large-scale genomic data (e.g., entire genomes and transcriptomes).

To apply, please submit your CV and a 1-2-page cover letter that describes your previous research experience, scientific interests, and how you see yourself contributing to the project and our research environment. Finalists may be asked for additional materials. Apply here: https://careers.purdue.edu/job/Post-Doc-Research-Associate/34146-en_US/ Application reviews will begin on November 15th, 2024.

Sergio Muñoz-Gómez, PhD Assistant Professor The Evolution of Cells, Symbionts, and Organelles Lab Department of Biological Sciences Purdue University

"Munoz-Gomez, Sergio" <samunozg@purdue.edu>

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TempleU Philadelphia BiodiversityForecasting

Postdoctoral position in biodiversity forecasting and extinction risk, Temple University, Philadelphia, USA

A postdoctoral position in biodiversity forecasting and extinction risk is available in the laboratory of Blair Hedges in the Center for Biodiversity at Temple University, Philadelphia. Funding for the position comes from the NSF program "Biodiversity on a Changing Planet" (BoCP). The research project tests hypotheses of global change and extinction risk across landscapes and through time using animal and plant species.

A PhD in a relevant field and fluency in English are required, as well as proven expertise in spatial modelling and scripting languages (e.g. R, Python). The ideal candidate will have experience with large biodiversity datasets including climate and landcover layers, cluster computing, be able to develop new ideas independently, and be an excellent team worker. The successful candidate will join a team of researchers from several institutions with expertise in organismal and evolutionary biology, satellite remote sensing, and extinction risk.

The Center for Biodiversity is located within Temple's Science, Education, and Research Center (SERC) on the main campus. It is affiliated with the Department of Biology and College of Science and Technology. Temple University is located in the heart of historic Philadelphia, home to many academic and research institutions as well as numerous cultural attractions.

Interested persons should send an e-mail to Prof. S. Blair Hedges (sbh@temple.edu) briefly stating their previous research, future career goals, and motivation for this project. Also, attach a full curriculum vitae that contains contact information for three academic references. Review of applications will begin on 11 November 2024 and continue until the position is filled.

The anticipated start date, negotiable, is in the first quarter of 2025. Temple University is an equal opportunity and equal access employer committed to achieving a diverse workforce (AA, EOE, m/f/d/v).

Hedges Lab http://www.hedgeslab.org Center for Biodiversity http://www.biodiversitycenter.org sbh@temple.edu

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ing@mcmaster.ca)

Texas AMU GenomeStructureFunctionEvolution

The Chakraborty Lab at Texas A&M University is recruiting a postdoctoral researcher to work on the broad evolutionary genetics or genomics questions related to genetic variation, adaptation, and evolution of sexual dimorphism.

The lab develops and employs cutting-edge experimental and computational approaches to understand how genome structural changes contribute to heritable trait variation and adaptations. The postdoctoral researcher will work on either the computational or experimental (or both) projects, with the flexibility to carve out their independent project.

The computational projects involve comparative genomics using complete genome assemblies created with long reads (e.g., doi: 10.1038/s41467-019-12884-1). Experience in computational and/or evolutionary genomics is desired for this project. Experience in population or quantitative genomics would be a plus. The experimental project will involve developing a high-throughput fitness assay for Drosophila and require prior molecular genetics experience. Experience in CRISPR and/or experimental evolution would be a plus.

The lab is committed to ensuring a successful career for the postdoctoral researcher and will help with career development activities, including writing fellowship and job applications. In addition to existing projects in the lab, postdoctoral researchers will be supported in developing their projects. The TAMU Biology department has an excellent supportive environment for trainees, and postdocs in the department have won competitive fellowships, including the Pathway to Independence award from NIH.

Texas A&M offers a vibrant and interactive research community in genetics, genomics, and evolution. The quality of life in College Station, Texas, is high, with excellent biking and university transit infrastructure, affordability (many postdocs own houses), and easy access to outdoor and urban activities. The position comes with a competitive salary and benefits.

Informal inquiries are welcome and should be emailed to Mahul Chakraborty (mahul@tamu.edu). More information about our lab and research can be found on our webpage (https://chakrabortylab.org/).

To apply, please email mahul@tamu.edu with your CV by December 15, 2024.

"Chakraborty, Mahul" <mahul@tamu.edu>

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Tubingen Germany aDNA

The Senckenberg Centre for Human Evolution and Palaeoenvironment (SHEP) at the University of Tübingen is seeking to fill a

Postdoctoral Position in experimental biogeochemistry of aDNA in archaeological deposits

(full-time position, part time options available)

The position will start as soon as possible and will be primarily hosted in the Geo-Biosphere Interactions working group within the University of Tübingen. The project is nested within the Leibniz Science Campus "Geogenomic Archaeology Campus Tübingen" (GACT). GACT brings together experts from the fields of archaeology, genetics, geosciences, ecology, and microbiology to examine the evolutionary relationship between humans and ecosystem biodiversity through the multidisciplinary analysis of sedimentary cave archives containing ancient DNA.

Your tasks

Develop and conduct experiments that test the effect of phosphorous and other elements on the mobility of (ancient) DNA in cave sediments.Apply stable and radioactive isotopes combined with geochemical analysis.Work with trace amounts of radioactive phosphorous within state-of-the-art radionuclide facilities.Analysis and interpretation of geoarchaeological samples from Pleistocene cave deposits.

Your profile

Doctorate in archaeological sciences, geoarchaeology, geosciences/geology, soil science, paleogenetics, biology, bioinformatics or a related field.The ideal applicant (f/m/d) will have knowledge in biogeochemical cycles in soils and/or sediments, and a genuine interest in the human past and linking their data with biomolecular analysis.Previous experience in experimental applications of isotopic tracers, and soil and/or sediment geochemical analysis is recommended.Good communication skills in order to work in a highly collaborative and international

environment.Very good command of written and spoken English. Knowledge of German is appreciated but is not a requirement.

We offer

a varied and interesting job in a globally recognized research institutionindependent action in an international and professional environmentflexible working hours - possibility of mobile working - support with childcare or caring for family members (certified by the “audit berufundfamilie”) - Senckenberg badge in combination with free admission to numerous municipal museums - a collectively agreed annual special payment - collectively agreed vacation entitlement - company pension plan

Place of employment: Tübingen (Baden-Württemberg)

Working hours: Full-time (39,5 hours/week), part time options are available

Type of contract: 2 years with possibility of extension

Pay: according to the public collective agreement TV-L E13

You would like to be part of our team?

Please submit your complete an meaningful application including a letter of motivation, a CV, scans of academic transcripts, and contact details of two potential academic referees as a single PDF file. Applications should be submitted electronically no later than the 01st of December 2024 and addressed to recruiting@senckenberg.de quoting the reference number 10-24002-1.

Senckenberg Gesellschaft für Naturforschung

Senckenberganlage 25

60325 Frankfurt a.M.

E-Mail: recruiting@senckenberg.de

For scientific inquiries regarding the position please contact the GACT Scientific Coordinator: Dr. Gerlinde Bigga, E-Mail: gerlinde.bigga@senckenberg.de.

For more information about the Senckenberg Gesellschaft für Naturforschung please go to www.senckenberg.de . The Senckenberg Society for Nature Research (Senckenberg Gesellschaft für Naturforschung, SGN) was founded in 1817 and is one of the most important research institutions around biological diversity. At its twelve sites throughout Germany, scientists from over 40 nations conduct cutting-edge research on an international scale. At the site in Tübingen, Baden-Württemberg, the Senckenberg Centre for Human Evolution and Palaeoenvironmant (SHEP) is located in a lively university town with historical flair and numerous local recreational opportunities

Senckenberg is committed to diversity. We benefit from the different expertise, perspectives and personalities of our staff and welcome every application from qualified candidates, irrespective of age, gender, ethnic or cultural origin, religion and ideology, sexual orientation and identity or disability. Women are particularly encouraged to apply, as they are underrepresented in the field of this position; in the case of equal qualifications and suitability they will be given preference. Applicants with a severe disability (“Schwerbehinderung”) will be given special consideration in case of equal suitability. Senckenberg actively supports the compatibility of work and family and places great emphasis on an equal and inclusive work culture.

Mit freundlichen Grüßen / Yours sincerely

Isabel GajèeviÃ, M.A.

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TuftsU Boston SystemsBiologyOfAging

POSITION DESCRIPTION: Postdoctoral position in systems biology and aging in Drosophila The Promislow lab has moved to Tufts University in Boston, and we have a postdoctoral position is available immediately (with flexible start date). We are looking for a postdoctoral researcher to join a collaborative effort to understand the causes and consequences of natural variation in aging in Drosophila.

We use systems biology approaches (specifically metabolomics and transcriptomics) to probe natural variation in age-related traits in Drosophila. Funded projects provide opportunities to pursue questions in social behavior, aging, genetics, multivariate and machine learning statistical approaches, the evolution of resilience, and sex differences in aging.

We are seeking someone with a PhD and expertise in aging, evolutionary genetics, Drosophila, statistical modeling, and/or systems biology. The ability to work extremely well with a team is essential.

RESPONSIBILITIES The postdoctoral researcher will: - Design and carry out fly experiments under the su-

pervision of Dr. Promislow - Analyze, write up and publish findings - Contribute to regular lab meetings and one-on-one discussions about project design and progress

REQUIREMENTS -Practical understanding of the biology of aging. - Comfort with multivariate statistics. - Excellent mentoring skills and desire to work with undergraduates

Interested candidates should send an email with CV, a brief statement of research experience and interests, and names of three referees to Daniel Promislow at daniel.promislow@tufts.edu no later than Nov 30, 2024.

Tufts University is committed to creating a diverse and inclusive community that respects all of its members, regardless of citizenship and national origin, race, color, ethnicity, language, sex, gender, sexual orientation, gender identity and expression, disability, and religious or veteran status.

"Promislow, Daniel" <Daniel.Promislow@tufts.edu>

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UArizona AminoAcidSubstitutionModels

Postdoc position: amino acid substitution models

A postdoc position is available with PI Joanna Masel (https://www.masellab.org/) at the University of Arizona in Tucson. Tucson is a vibrant city of nearly a million people, located in the biodiverse Sonoran desert, surrounded on all four sides by mountainous national and state parks, with an attractive climate for most of the year. The EEB department is ranked 12th by US News & World Report. Stipend is at NIH rates, and the cost of living in Tucson is around the US national average, i.e. well below most US academic destinations. Start date is negotiable, with the position renewable annually, with 3 years of NSF funding anticipated.

Phylogenetic methods typically use a "good enough" approach to modeling amino acid or nucleotide substitution in the process of inferring a tree. The project will focus on inferring accurate amino acid (and perhaps also codon) substitution models, for their own sake as well as to potentially improve tree inference. This includes time non-reversible models (see https://doi.org/10.1093/sysbio/syac007) and non-stationary models (see https://doi.org/10.1093/sysbio/syu106). Work will involve collaboration with IQ-Tree lead Minh Bui and cogent3 lead Gavin Huttley at the Australian National University. Depending on interests, the postdoc will - Investigate how substitution models vary as a function of taxonomic group, type of protein structure, GC content, and/or the evolutionary age (phylostratum) of a sequence - Interpret substitution models in terms of mutational spectra + the biophysical basis of selection, including relating them to deep mutational scanning data - Improve phylogenetic methods through improving substitution models, eg via partition or mixture models previously trained in a structure- informed manner.

Strong bioinformatics skills are strongly preferred, although unusually strong candidates who wish to retrain as bioinformaticians will also be considered. Knowledge of more advanced mathematical and statistical approaches, a background in evolutionary biology, and knowledge about protein structure and folding, are all advantages, but candidates are not expected to have all three.

Contact Joanna Masel at masel@arizona.edu for more information and to apply.

"Masel, Joanna - (masel)" <masel@arizona.edu>

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UCalifornia LosAngeles ConservationScience

The 2025 UCLA La Kretz Center Postdoctoral Fellowship in California Conservation Science

The UCLA La Kretz Center for California Conservation Science invites applications for its 2025 Postdoctoral Fellowship in California Conservation Science. We seek to hire one or more postdoctoral scholars who conduct innovative biological research at the interface of applied and basic science. Our long-term goal is to help fund a cadre of innovative young scientists who will work closely with UCLA faculty, help broaden the mission of conservation science for the campus, and lead to long-term collaborations between our academic scientists and applied conservation practitioners that will direct and lead California conservation efforts.

Candidates may work in any discipline that provides the scientific underpinnings for the preservation, protection, management, or restoration of at-risk species,

environments, or ecological communities in California. Current and past La Kretz Postdocs have worked on a wide variety of research topics, ranging from urban biodiversity and evolutionary adaptation, to wildfire management and conservation, to the interface of conservation and animal behavior; we are open to work in any California ecosystem or group of organisms, as long as the research is innovative, creative, and has clear practical significance. An important initiative, the California Conservation Genomics Project (CCGP), is a large, multi-campus initiative led by the La Kretz Center that is delivering genomic resources to California decision-makers to enhance species and habitat management, and candidates may seek to build off of that project in the realm of conservation genomics. For a full description of past fellows and their work, please visit us at

https://www.ioes.ucla.edu/lakretz/ Fellows must have both an on-campus UCLA mentor, and an off-campus, non-university mentor. The on-campus UCLA mentor must also be a La Kretz Center affiliate. A list of applicable affiliates is available at

https://www.ioes.ucla.edu/lakretz/people/ . The Fellow is expected to work closely with their identified UCLA mentor and one or more off-campus agency partner(s) in developing their project. All applications should include a letter (which may be brief) from each mentor stating their support for the project, what they can contribute to it, and how it fits into their work in conservation biology. Applications that do not include these letters of support will be considered incomplete and ineligible for consideration, and we strongly advise candidates to secure mentor support as early as possible. While we encourage project proponents to identify co-funding, from mentors or other agencies, co-funding is not a requirement. Off-campus mentors may be drawn from any California agency or NGO, including federal and state groups. A partial list of some of our active partners and contact people includes:

The Nature Conservancy: Sophie Parker Natural History Museum of Los Angeles County: Jann Vendetti US Geological Survey: Robert Fisher US Bureau of Land Management: Mike Westphal US Fish and Wildlife Service: Cat Darst Natural Communities Coalition: James Sulentich/Danny L. Fry National Park Service: Katy Delaney National Park Service: Seth Riley Department of Defense: Robert Lovich

The La Kretz Fellowship is for two years, subject to review after the first year. The target start date is September 2025, but this date is quite flexible. The position offers a competitive salary, full benefits, and a research/travel allowance of $7500. Candidates who have recently completed their Ph.D. or will have completed it before their start date are encouraged to apply.

To apply, please send applications to lakretz@ioes.ucla.edu as a single PDF file that includes:

(i) Cover Letter: Briefly introducing yourself and your project (ii) CV: Composed of your work and accomplishments. (iii) Research and Management Accomplishments Statement (maximum one page) (iv) Project Proposal: Lays out, in some detail, your project (e.g., motivation, methods, expected outcomes/results), why this work is important to academic and applied audiences, and how it integrates with the research of your mentors (maximum three pages, including figures and references) (v) Letters of Support: A brief letter from your on-campus UCLA mentor AND your off-campus agency/NGO mentor (vi) Two of Your Relevant Publications.

In addition, have:

(vii) Two Letters of Reference: One letter must be from your Ph.D. advisor. Note, reference letters are in addition to the letters of support from your proposed mentors. Please arrange to have reference letters emailed to lakretz@ioes.ucla.edu with the subject line "La Kretz Postdoc letter for (your last name)."

The deadline for completed applications is November 25th, 2024 at 12pm (PST).

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UCalifornia Riverside BeeEvolution

We have an opening for a postdoctoral researcher interested to work at the Center for Integrative Bee Research (CIBER, see https://ciber.ucr.edu/) at the University of California, Riverside on a project recently funded by the W. M. Keck Foundation: Deciphering social communication in stress-tolerant honeybees. The postdoc will be responsible for generating transgenic bees, performing behavioral assays, bee husbandry, and 2-photon calcium imaging in bees in response to odor presentations, working both in the lab and outdoors.

Applicants should have a strong background in insect neuroscience and/or genetics. In particular, candidates

with experience in multiphoton imaging and CRISPR are encouraged to apply. Beekeeping experience is not required; however, the postdoc shoudl be open to work with our apiary manager to care for bees outdoors. Prospective postdoctoral researchers should contact Ysabel Giraldo (ysabel.giraldo@ucr.edu) and provide an updated CV, statement of intent, and contact information for three references. Applications will be reviewed as received until the position is filled. Postdoctoral researchers will be supported for a minimum of 1 year with possibility of renewal for two more years. Salary is commensurate with experience and a benefit package (full medical) is included.

UC Riverside is one of the ten campuses in the prestigious University of California system. The UCR Department of Entomology has been ranked No. 2 worldwide by the Center for World Universities (April 2017) and No. 1 by the U.S. National Research Council. UC Riverside is centrally located in southern California about 40 miles east of Los Angeles and 75 miles north of San Diego. Riverside was recently named one of America's top ten Most Livable Communities. The Pacific Ocean, San Bernardino Mountains, ski areas, and deserts are located within an hour drive

Boris Baer Professor for Pollinator Health Center for Integrative Bee Research (CIBER) Department of Entomology University of California Riverside, CA 92521 United States of America

phone: (1) 951 827 5833 fax: (1) 951 827 3086 E-mail: boris.baer@ucr.edu Website: https://ciber.ucr.edu Facebook: http://www.facebook.com/pages/Centre-for-Integrative-Bee-Research-CIBER/107607792730734 Boris Baer <borisbar@ucr.edu>

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UCalifornia SanDiego EvolutionaryGenomics

Postdoctoral Researcher in Evolutionary Genomics

University of California San Diego, Department of Ecology, Behavior and Evolution

Position

The Rennison Lab at the University of California San Diego is seeking to hire a Postdoctoral Researcher. The position is part of a five-year NIH funded grant. The researcher will generate and analyze genomic data to address evolutionary and ecological questions regarding the repeatability of evolutionary trajectories in three-spine stickleback. The precise projects are open to development in their approach and focus. Possible topics include: repeated evolution of structural variation or experimental approaches to address the relationship between fitness effects and parallel evolution.

The position requires a Ph.D. degree in biology, bioinformatics, genomics, or a related field. Familiarity with R and Unix and experience using PERL or Python is essential.

This is a fixed-term appointment for two years from date of hire, with possibility of renewal for up to five years, it is fully funded. Start date is negotiable. Review of applications will begin immediately and continue until the position is filled.

Lab Group (https://rennisonlab.com/).

The Rennison Lab has been at UCSD since Fall 2019. The lab currently has two postdocs and two PhD students who are interested in a variety of eco-evolutionary topics.

We are housed within the School of Biological Sciences at UCSD (https://biology.ucsd.edu/research/academic-sections/index.html). This is a large, diverse, and collaborative school with many groups sharing interests in eco-evolutionary feedbacks, population genomics, and evo-devo topics.

Application

Interested applicants should submit the following to Diana Rennison (drennison@ucsd.edu): 1) Cover letter describing their research interests 2) Current CV with contact information for at least two references.

"Rennison, Diana" <drennison@mail.ucsd.edu>

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UChicago EvolutionCoralReefs

New postdoc opportunity at UChicago, salary $90k, research $10k, independence!

The Climate Systems Engineering initiative (CSEi) at the University of Chicago invites applications for the 2025 inaugural cohort of CSEi Postdoctoral Researchers, to be appointed at the rank of Research Associate. We

seek outstanding early career scholars interested in any aspect of climate engineering.

[NOTE FROM Dakota McCoy: The initiative is eager to recruit candidates working on eco.evo impacts of proposed geoengineering solutions.]

Optional project option working with Dakota McCoy:

As the ocean absorbs excess CO2, it acidifies- and marine creatures and ecosystems suffer. Scientists have invented promising interventions to reverse ocean acidification. We seek a researcher to explore the biological impacts of geoengineering solutions, such as the introduction of alkaline materials, on growth, metabolism, reproduction, and survival of calcifying organisms like corals and bivalves. A postdoc could conduct lab experiments to investigate how different de-acidifying strategies affect marine life. We especially encourage applications from candidates eager to work at the Palau International Coral Reef Center, Marine Biological Lab in Woods Hole, MA, and/or Shedd Aquarium in Chicago.

Dakota McCoy, Ecology & Evolution and the Marine Biological Laboratory

Email therealmccoy@uchicago.edu to learn more, and read more at these links:

https://climateengineering.uchicago.edu/csei-postdoctoral-researchers-position/ https://climateengineering.uchicago.edu/csei-postdoctoral-researcher-faculty-research-statements/-
Cody McCoy <therealmccoy@uchicago.edu>

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UC LosAngeles BotanicalCollectionsCurator

2-yr Position Opening at UCLA Mathias Botanical Garden Post-doctoral Living Collections Curator

The UCLA Mathias Botanical Garden and Herbarium seek applications for a curator of living plant collections to work on a two-year project to review and analyze the composition of existing plants of the Garden and help develop a strategic plan to enhance the Garden as a Living Museum. This position, funded by an award from the Institute of Museum and Library Services, supports a project to create a road for the future of the UCLA Botanical Garden that will meet its educational, research, and outreach goals. The post-doctoral curator will be supervised by the Garden Director and work closely with the herbarium curator, the Garden's science advisor, the Assistant Director, and other Garden staff. This position presents an exciting opportunity to be a key participant in a strategic planning process to enhance the extensive and historically significant collections of the UCLA Mathias Garden and is ideal for someone seeking a career in management of botanical garden collections or herbarium curation. The position is available in January 2025.

Responsibilities for the position will change over the course of the project. Initially, the curator will update and check the inventory of the current IrisBG database and supervise students to archive vouchers that are not currently in the herbarium. Second, the person will analyze the data bases for taxonomic and biogeographical representation in the Collections. Third, the person will analyze the collections based on additional criterial generated through a consultation process and help draft a report of recommendations for future collections. The successful candidate must hold a PhD in plant systematics, botany, horticulture, biology, or a related field by the date of appointment. The ideal candidate will have expertise in digital data bases, plant identification, and/or botanical garden curation. Good writing skills are also desirable. The curator must be comfortable taking responsibility for the curatorial aspects of the project while also working as part of a team on drafting the final report. The candidate must also be willing to supervise and mentor undergraduate assistants. Individuals with a history and commitment to mentoring undergraduates from underrepresented groups in the sciences are encouraged to apply.

Submit application through UC Recruit posting JPF09879 (https://recruit.apo.ucla.edu/JPF09879). Review of applications will begin on November 1, 2024, and late applications will be considered through November 15 with lower priority. Materials must include (in pdf format): Curriculum Vitae; cover letter describing reasons for interest and experience relevant to this position and list names of three references with contact information; statement of efforts to promote diversity and inclusion; and research statement. Please direct questions or nominations to Garden Director, Dr. Victoria L Sork, vlsork@ucla.edu

The University of California is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

Victoria Sork, vlsork@ucla.edu Director, UCLA Mathias Botanical Garden, www.botgard.edu "Sork, Victoria" <vlsork@ucla.edu>

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UCopenhagen Two MeiofaunaGenomicsPhylogenomics

Two post doc positions at the University of Copenhagen in the lab of Katrine Worsaae

Many animals occupy the microscopic realm (i.e., the meiofauna), exhibiting a tiny size but still astonishingly complex behaviors and life strategies. How do animals become small? Which mechanisms allow them to adapt to life in the meiofaunal realm? These and other intriguing questions we wish to investigate through phylogenomics and comparative genomics genomic studies including >30 microscopic lineages (meiofauna). We hope you wish to be part of this largescale project, which seeks a more complete understanding of animal evolution and miniaturization - and the underpinning genomic mechanisms and phenotypic consequences hereof.

Find more information here: https://-candidate.hr-manager.net/ApplicationInit.aspx/-?cid07&departmentId=965&ProjectId2667&MediaId=5&SkipAdvertisementÃ¸lse Inquiries about the position can be made to Professor Katrine Worsaae (kworsaae@bio.ku.dk).

Josefin Stiller Assistant Professor Villum Young Investigator Villum Centre for Biodiversity Genomics University of Copenhagen Denmark

josefinstiller.com @Rubyseadragon

Josefin Stiller <josefin.stiller@bio.ku.dk>

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UCopenhagen Two MeiofaunaGenomicsPhylogenomics

Many animals occupy the microscopic realm (i.e., the meiofauna), exhibiting a tiny size but still astonishingly complex behaviors and life strategies. How do animals become small? Which mechanisms allow them to adapt to life in the meiofaunal realm? These and other intriguing questions we wish to investigate through phylogenomics and comparative genomics genomic studies including >30 microscopic lineages (meiofauna). We hope you wish to be part of this largescale project, which seeks a more complete understanding of animal evolution and miniaturization - and the underpinning genomic mechanisms and phenotypic consequences hereof.

Find more information here: https://-candidate.hr-manager.net/ApplicationInit.aspx/-?cid07&departmentId=965&ProjectId2667&MediaId=5&SkipAdvertisementÃ¸lse Inquiries about the position can be made to Professor Katrine Worsaae (kworsaae@bio.ku.dk).

Josefin Stiller Assistant Professor Villum Young Investigator Villum Centre for Biodiversity Genomics University of Copenhagen Denmark

josefinstiller.com @Rubyseadragon

Josefin Stiller <josefin.stiller@bio.ku.dk>

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UFSaoPaulo GenomicsOfRareBrazilianBirds

Brazil-Based Post-Doctoral Research in genomics and historical demography of Brazilian Bird diversity

Period of Research Project and Stipend: January 2025 - December 2026

We are seeking a 2-year postdoctoral fellow to undertake a study of genomics and historical demography of extinct and near extinct species in the Neotropics. Complete genomes, even with few specimens, can inform us about recent changes in population size changes.

Those data associated to molecular date estimates can help us relate natural declines or those resulting with anthropic changes The project, which is supported by a grant from the Lemann Brazil Research Fund at Harvard University, is entitled “Using museum specimens and genomics to reconstruct the path to endangerment of Brazil’s rarest birds”. The main goal is to generate complete genomes from endangered and extinct species from Brazilian museum collections and to test for the temporal coincidence of population declines and the peopling of the Americas, especially in the Neotropics.

The postdoctoral fellow will be based at the Federal University of Sāo Paulo, Brazil and will make occasional visits to Harvard University. At the Federal University of Sāo Paulo the fellow will be in the Instituto de Ciências Ambientais, Químicas e Farmacêuticas (campus Diadema). At Harvard the fellow will be in the Department of Organismic and Evolutionary Biology (OEB) and the Museum of Comparative Zoology (MCZ). Funds for travel between the US and Brazil are included in the fellowship. Our hope is that the postdoctoral fellow will facilitate collaboration between the Harvard team (Drs. Scott Edwards) and the UNIFESP team (Dr. Fabio Raposo do Amaral).

By the specifications of the award, the postdoctoral fellow will be based in Brazil, and ideally be a Brazilian citizen. Successful applicants should have a PhD and should have a strong background in genomics, and preferably with historical demography, not necessarily with birds.

The successful applicant will receive a research stipend that is competitive within Brazil and will be awarded by the Brazil Office of the David Rockefeller Center for Latin American Studies at Harvard University (Associaçāo David Rockefeller Center da Universidade de Harvard). Review of applications will begin December 1, 2024. Please send a CV with a list of three individuals who may be asked to supply references; a cover letter outlining your interests and suitability for the position; and three publications or manuscripts in a merged pdf file to Fabio Raposo do Amaral at fabio.raposo@unifesp.br and cc to Scott Edwards at sedwards@fas.harvard.edu.

Contacts: Fabio Raposo do Amaral, Federal University of Sāo Paulo, Brazil, fabio.raposo@unifesp.br, and Scott Edwards, Department of Organismic and Evolutionary Biology and Museum of Comparative Zoology, Harvard University. sedwards@fas.harvard.edu

“Fabio R. Amaral” <fabioraposo@gmail.com>

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UIllinois Chicago CraniofacialEvolution

Dear colleagues,

The Nicholas Lab at UIC College of Dentistry seeks applicants for an opening for a postdoctoral research associate. This is a full-time, in person position. While located in the Department of Orthodontics, the PI of the lab is a biological anthropologist by training and particularly welcomes applications from anthropologists, anatomists, forensic scientists, paleontologists, and related. Nicholas has a secondary affiliation with the Department of Anthropology, which has a thriving seminar series and other departmental activities which the postdoc would be welcome to attend.

To apply: https://uic.csod.com/ux/ats/careersite/1/home/requisition/11999?c=uic Position Summary A postdoctoral research associate position is available in the lab of Dr. Christina Nicholas, University of Illinois Chicago College of Dentistry. The Nicholas Lab applies deep phenotyping approaches to clinical, anthropological, and evolutionary questions primarily in the area of human craniofacial growth and development (https://sites.google.com/uic.edu/nicholaslab/home). This position is funded by an award from the National Institute of Justice, “DENTAGE: A multicomponent subadult dental age estimation method”. The Nicholas Lab does not conduct forensic casework, though a candidate with prior experience may have opportunities to collaborate with Dr. Michael Colvard (forensic dentist) outside of the time allotted to the grant research. The post-doc will focus on research and scientific techniques within the fields of dental anthropology, forensic dentistry, and craniofacial biology.) In addition to submitting the online application, candidates should provide a CV, a list of 3 academic references, and a one-page cover letter briefly describing relevant qualifications, career goals, and availability for a preferred expected start date to Dr. Christina Nicholas (clnichol@uic.edu). A start date in January or February 2025 is preferred but negotiable, with the ability to start no later than July 2025.

Duties & Responsibilities * Collaborate with Principal Investigator, co-investigators, and other lab researchers to design and refine the research objectives and sub-objectives. * Test, optimize and implement both new and existing methods/techniques. * Conduct research on dental age estimation, including application of stan-

dard scoring methods and advanced computational approaches. * Collect, analyze, and interpret data. * Generate data, compile figures and draft documents for grant applications and peer-reviewed manuscripts. * Supervise and train undergraduates, dental students, dental residents, and other trainees working in the lab. * Present research findings at national/scientific conferences. * Publish original research in peer-reviewed journals. * Other duties as assigned. * Perform other related duties and participate in special projects as assigned.

Qualifications: Minimum Qualifications - PhD in biological anthropology, anatomy, computational biology, or related field. Will also consider those with a PhD in other science disciplines with demonstrated experience collaborating on anthropological and/or anatomical research. - Possesses and applies comprehensive knowledge of research principles, concepts, practices and methods. - Proficient in use of R, Python, or other programming language for standard statistical analyses.

Preferred Qualifications

- Expertise with geometric morphometric analyses - Expertise in machine learning for anthropological or biomedical applications - Strong background in human anatomy/osteology, particularly craniofacial - Proficiency in use of radiograph and 3D imaging programs (e.g., 3D Slicer, ImageJ, Geomagic) - Experience designing web applications - A record of peer-reviewed publications

"Nicholas, Christina Lynne" <clnichol@uic.edu>

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ULaval Quebec CaribouPopGenomics

Post-doctoral position available in spatial and demographic connectivity of caribou Universite Laval, Quebec (Canada)

As part of the Caribou Ungava research program (www.caribou-ungava.ulaval.ca), we are seeking a postdoctoral candidate interested in working on the population genomics of the different ecotypes of caribou in Quebec and Labrador. The large herds of migratory caribou in northern Quebec and Labrador have sharply declined in recent years and the causes of decline are still not well understood. Most populations of boreal and mountain caribou are also in a precarious state. We are interested in better understanding the evolutionary history of the caribou populations and the demographic and genetic connectivity among them. We aim to compare gene flow between migratory, boreal and mountain caribou populations, and identify geographical regions where gene flow is highest. We plan to assess divergence time during the last few centuries according to variation in climate. Analyses will be based on the long-term monitoring and genome-scale data (whole genomes and 63k SNP chip) from 800 migratory caribou from the Riviere-George and Riviere-aux-Feuilles herds, 850 boreal caribou from 15 populations sampled over the last 20 years in Quebec and Labrador and about 55 mountain caribou (Gaspesie and Torngat populations).

The candidate will work with a team of scientists specializing on caribou ecology and genetics, including Aaron Shafer (Trent University), Glenn Yannic (Universite Savoie Mont Blanc, France), Claude Robert (Universite Laval), Martin-Hugues St-Laurent (Universite du Quebec a Rimouski), Joelle Taillon (Quebec government), Sabrina Plante (Quebec government), Sara McCarthy (Labrador and Newfoundland government), as well as Steeve Cote (Universite Laval). The position will be based out of Universite Laval, but longer-term visits to collaborating labs are an option.

Start date : in 2025 according to the availability of the candidate. Funding : $59,823 annual fellowship including social benefits (available for 2 years).

Required skills :

PhD in population genetics, animal ecology or similar subject. Very strong academic and publication records; Rigor, autonomy, and strong writing skills; Experience with handling large genomic dataset and spatial genetic analyses

To apply, please send a brief statement of interest, a CV, copies of University transcripts and 3 names that could provide a reference to: Steeve Cote, Director of Caribou Ungava, Dept of Biology, Centre d'etudes nordiques, Universite Laval, Quebec (Quebec) Canada steeve.cote@bio.ulaval.ca

Catherine Bajzak <catherine.bajzak@bio.ulaval.ca>

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ULodz Poland DeepSeaBiodiversity

Are you interested in deep-sea fauna? Do you have experience in morphological study of Amphipoda or another crustacean group? Have you used molecular methods in your studies? Would you like to work in an international scientific team? If the answer to those questions is 'yes', the Department of Invertebrate Zoology and Hydrobiology University of Lodzis searching for a motivated postdoc to work on a project called "Travellers versus homelovers - global biogeography patterns of deep-sea amphipod crustaceans". Employment is for 6 to 24 months, starting January 2025.They are looking for a researcher who demonstrate motivation and positive energy, as well as abilities to work in the international research team. The selected researcher will be involved in the project that aims to reveal if ecological niche of benthic Amphipoda influences their geographic distribution and population connectivity. The project merges taxonomy (integrative taxonomy and description of species new to science) with molecular studies including population genetics and reconstruction of phylogeny of chosen amphipod families.The deadline for sending the applications: 15th November 2024. For more information the candidates may contact project lead Anna Jazdzewska. Link to the job offer: https://euraxess.ec.europa.eu/-jobs/281718 Thank you in advance for help.

Yours sincerely,

Anna Jazdzewska

Anna Jazdzewska

Department of Invertebrate Zoology and Hydrobiology

Faculty of Biology and Environmental Protection

University of Lodz

Banacha 12/16 st 90-237 Lodz, POLAND

phone: +48 42635 44 42

Anna JaÂ¿dÂ¿ewska <anna.jazdzewska@biol.uni.lodz.pl>

ULyon DrosophilaTEs

Postdoctoral position in transposable elements and antiviral response in drosophila,

University of Lyon, France, Biometry and Evolutionary Biology department

Project description —— —Transposable Elements (TEs) are genomic parasites. They are pieces of DNA that are able to move and multiply along the chromosomes, through various mechanisms, some of which being tightly similar to certain viral cycles. This behavior is a direct threat to the integrity of the genome, and mechanisms have evolved which control TE activity. RNA interference (RNAi) is one of those, and relies on small RNA molecules that target TEs by sequence complementarity. Two main RNAi pathways are involved in TE control, that differ in their molecular actors and RNA precursors: the piRNA pathway, mostly described in gonads, and the siRNA pathway, also active in the soma. In many organisms, RNAi is also involved in antiviral immunity, through the siRNA pathway. For almost a decade now, we have been investigating the potential connections between TE control and antiviral immunity, and have shown that they were not independent (Roy et al., 2020; 2021; Garambois et al., 2024; Mayeux et al. 2024). Using Drosophila C Virus (DCV), a virus that encodes a viral suppressor of RNAi, our latest results revealed that Drosophila strains displaying a high load of TE sequences in their transcriptomes display low DCV titers upon experimental infections (Mayeux et al., 2024). Hence, the objective of the present project is to determine the molecular mechanisms and the evolutionary impacts of this potential protective role of TEs against the replication of DCV.

—— —To fulfill these scientific objectives, the selected person will perform experimental infections of flies and subsequent molecular biology experiments in order to investigate the underlying mechanisms. She/he will also measure fly fitness (fecundity and survival) under different infectious conditions. Finally, she/he will analyze RNAseq data from a collection of samples from the field in order to investigate the natural viral load and TE activity.

—— —This postdoctoral contract is funded for 36 months by the ANR grant ProtecTE (Deciphering the Protective role of Transposable Element in antiviral response). Salary will depend on previous experience. Starting

date is 2025, February 1st. The selected person should be autonomous in molecular biology experiments, with a background and interest in genomics and/or evolution of interactions. A previous experience in insect infections would be an advantage. We are looking for a meticulous, well-organized and creative person, with a clear sense of collective commitment. Meetings in the group are held in English. French may help in social interactions but is not mandatory.

Work environment —— —The project will be supervised by Marie Fablet (Associate Professor, LBBE UMR CNRS 5558, Université Lyon 1), who leads the TE axis (within the "Genetics and Evolution of Interactions" group), gathering Cristina Vieira and Matthieu Boulesteix, two professors of University Lyon 1, and PhD students and post-docs. They have a long-term expertise in TE dynamics and evolution, especially in Drosophila species. The group combines know-hows in molecular biology, population genetics and bio-informatics specifically dedicated to TE biology. In addition, this project is performed in collaboration with Rita Rebollo (CR INRAE, BF2I), Natacha Kremer (CR CNRS, LBBE), and Séverine Chambeyron (DR CNRS, IGH, Montpellier), for their acknowledged expertise in TEs, insect immunity, and Drosophila genetics and small RNA biology, respectively. LBBE displays all necessary facilities for fly rearing and molecular biology experiments, in association with DTAMB (Development of Techniques and Molecular Analysis for Biodiversity, University Lyon 1 http://www.dtamb.univ-lyon1.fr), and powerful computing resources, in association with PRABI (Pôle Rhone-Alpin de Bio-Informatique, http://www.prabi.fr).

—— —Lyon is France's 3rd largest city and is very dynamic with 180,000 students. It has a rich history that traces back to the Romans and it is included on the list of UNESCO world heritage sites (https://whc.unesco.org/en/list/872/). Lyon is surrounded by natural Parks (Vercors, Chartreuse, Haut-Jura, Livradois-Forez, Ardèche...) and is two hours away from the Alps. Geneva is accessible by train or car in less than two hours, Paris in 2 hours by train as are Marseille and the Mediterranean Sea.

Application —— —Scientific contact: marie.fablet@univ-lyon1.fr —— —Application through the CNRS portal

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.mcmaster.ca/~brian/evoldir.html

UMassachusetts Amherst DodderPopulationGenomics

The Caicedo lab in the Department of Biology at UMass Amherst is looking for a postdoctoral research associate. The position will support a collaborative NSF-funded project with colleagues at Penn State University and Rutgers University, studying the landscape and population genomics of the parasitic weed, dodder (Cuscuta gronovii and C. campestris) in agricultural and non-agricultural environments. The preferred candidate will have a PhD in Ecology and Evolutionary Biology, or a related field, and will have experience with population genomic analyses.

To apply, please visit: https://careers.umass.edu/-amherst/en-us/job/525332/post-doctoral-research-associate-caicedo-lab Essential Functions Lead efforts to collect dodder in agricultural and non-agricultural sites across the Northeast U.S., for genome and transcriptome sequencing, small RNA characterization, and microscopy of dodder-host interfaces. Carry out analyses of dodder population structure and environmental associations, and identify possible loci under selection. Examine the impact of host-dodder genotype interactions on attachment phenotypes. Lead and contribute to publications and conference presentations stemming from current project field and lab work. Develop new project ideas and submit grant proposals; work in a collaborative environment alongside graduate and undergraduate students at UMass, Penn State and Rutgers

Additional Information Work collaboratively and effectively to promote teamwork, diversity, equality and inclusiveness. Work in partnership with colleagues within the CNS community and across the campus to support the Dean's strategic priorities. Perform other duties as assigned in support of the mission and goals of the College of Natural Sciences.

Minimum Qualifications PhD in Ecology and Evolutionary Biology or related field prior to the start date. Expertise in evolution, population genetics and genomic analyses. Demonstrated ability to conduct independent research and to publish quality scientific papers. Good communication and writing skills. Commitment to fostering an inclusive work environment. Strong quantitative skills.

Preferred Qualifications Experience with population structure analyses, genotype-environment association analyses, and/or selective sweep mapping. Experience with or willingness to learn microscopy methods to survey dodder morphology. Fieldwork experience with plants. Evidence of leadership, mentoring, and outreach.

Physical Demands/Working Conditions Standard office, lab, and fieldwork environments: Ability to sit in front of a computer for an extended period time. Ability to carry out molecular wet lab procedures such as DNA extraction and sequencing Ability to complete fieldwork including sampling of plant tissues in liquid nitrogen.

Additional Details Field work takes place in both agricultural and non-agricultural environments, which will involve varying types of terrain. The position will be for 12 months with a potential to renew for up to 2.6 years. The start date is negotiable with a preferential start date between December 1, 2024 - April 1, 2025.

Special Instructions to Applicants

Along with the application, please submit a resume and cover letter. References will be checked at the finalist stage. Please be prepared to provide contact information for three (3) professional references. Candidates that identify with groups currently underrepresented in evolution and ecology are encouraged to apply. Applications will be reviewed on a continuous basis until the position is filled. Early submissions are encouraged. For best considerations, please submit your application materials by 5:00pm (EST) on November 10, 2024. Questions can be directed to Dr. Ana Caicedo (caicedo@umass.edu).

At UMass Amherst and in CNS, we strive to be a community where every individual feels a sense of belonging, where every individual is included, and where every individual is valued. You can find these values and goals here: https://www.umass.edu/strategicplan/strategic-plan . UMass Amherst is committed to a policy of equal opportunity without regard to race, color, religion, caste, creed, sex, age, marital status, national origin, disability, political belief or affiliation, pregnancy and pregnancy-related condition(s), veteran status, sexual orientation, gender identity and expression, genetic information, natural and protective hairstyle and any other class of individuals protected from discrimination in employment, admission to and participation in academic programs, activities, and services, and the selection of vendors who provide services or products to the University. To fulfill that policy, UMass Amherst is further committed to a program of affirmative action to

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UMassachusetts Amherst WildlifeConservation

The Senner Lab at UMass in the Department of Environmental Conservation is looking for a postdoctoral research associate. The position will support a collaborative NSF-funded project - along with the Velotta Lab at the University of Denver and Cheviron Lab at the University of Montana (UMT) - studying the influence of parasitic botflies on the demography, physiology, and evolutionary biology of deer mice (Peromyscus maniculatus) in the Colorado Rockies in the context of climate change. The preferred candidate will have a PhD in Ecology and Evolutionary Biology, or a related field, and will have experience with demographic analyses or climate change modelling. The position will be for 12 months with a potential to renew for up to three years. The start date is negotiable between December 1, 2024-March 1, 2025.

More details and application here: https:/-/careers.umass.edu/amherst/en-us/job/525065/-postdoctoral-research-associate-wildlife-ecology-conservation Jonathan Velotta <Jonathan.Velotta@du.edu>

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UMichigan FisheriesBioinformatics

Postdoctoral Fellow in Fisheries Bioinformatics Cooperative Institute for Great Lakes Research School for Environment and Sustainability University of Michigan

Summary: A postdoctoral fellowship is available for a highly qualified individual to join the Cooperative Institute for Great Lakes Research (CIGLR: https://-ciglr.seas.umich.edu/). The successful candidate will work with a dynamic team of scientists at CIGLR, the University of Michigan School for Environment and Sustainability (https://seas.umich.edu/), and the U.S. Geological Survey Great Lakes Science Center to advance

understanding of species relationships of Great Lakes prey fish (coregonines) and support the conservation and restoration of native fish populations. Specifically, this project will help build bioinformatics capacity and determine baselines of historical and contemporary fish diversity across the Great Lakes.

The primary focus of this project is to examine the role of selection, plasticity, and hybridization in the species relationships of Great Lakes coregonines. The candidate will be welcome to explore any additional research questions that arise from analyzing the genomic data. The postdoc will be expected to maintain a strong record of scholarly publication and presentations at scientific conferences and public meetings. This position offers mentoring for scientific and professional development.

Note: This position will be a one (1) full-time term limited appointment with the possibility of renewal.

Qualifications: - A Ph.D. in biology, bioinformatics, oceanography, or environmental science, or a similar field, with a strong background in bioinformatics - Experience analyzing large and complex genomic datasets derived from field and/or laboratory samples - Experience with high-performance computing, Linux command line, scripting languages (Perl, Python, R and/or Bash), and databases (e.g., SQL), various bioinformatic software, and statistical approaches to 'omics data - Demonstrated ability to work independently in a research setting, as well as collaboratively as a team member - Strong communication skills and a demonstrated ability to lead the development of manuscripts for refereed journal publication are needed

For more information and to apply visit: https://careers.umich.edu/job_detail/255123/postdoctoral-fellow-fisheries-bioinformatics The application deadline is 11/03/2024.

Margaret Throckmorton (she | hers) Administrative Project Coordinator University of Michigan Cooperative Institute for Great Lakes Research (CIGLR) @ NOAA Great Lakes Environmental Research Laboratory (GLERL) 4840 South State Road | Ann Arbor, MI 48108 734.647.3299 throckmj@umich.edu ciglr.seas.umich.edu

Margaret Throckmorton <throckmj@umich.edu>

UNaples OrchidBioticInteractions

UniNaples. Orchids interbiotics

Postdoctoral Position at the University of Naples Federico II, Naples, Italy

We are accepting applications for a one-year post doctorate fellow position in the field of genotyping and metabarcoding of orchid biotic interactions.

Review of applications begins on november 2024

OVERVIEW:

We are looking for an enthusiastic candidate with a strong expertise in Bioinformatics alongside a strong background in plant evolutionary ecology. The candidate must have completed a Ph.D. degree in the last three years, preferably in the areas of plant-pollination, plant-fungal interaction, pollen and soil metabarcoding and must show a clear experience of application of bioinformatic tools to these fields. The work will focus on analysing NGS data of orchid genotyping and pollen and fungal metabarcoding that have been already generated in our lab. We aim to associate of fungal and pollinator partners to specific orchid genotypes that have been mapped by population pedigree analyses.

HOW TO APPLY:

To apply, please submit in one PDF file: (i) one page cover letter including motivation and research interests, (ii) a CV, and (iii) contact information for two references electronically, to cozzolin@unina.it Review of applications will continue until the position is filled. Job can start as early as January 2025.

*The selected candidate will be required to present official credentials from all his/her academic degrees.

If you have questions about the position and the project, please email me.

Kind regards,

Prof. Salvatore Cozzolino Ph.D

Dept. of Biology

University of Naples Federico II

Complesso Universitario di Monte S. Angelo

Via Cinthia, 80126, Napoli, Italia

Building 7, room 0D-27

Email: cozzolin@unina.it

Phone:+39-081679186 (room); +39-081679185 (lab)

https://www.docenti.unina.it/salvatore.cozzolino salvatore cozzolino <cozzolin@unina.it>

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UNotreDame StressAndHeartRate WildBaboons

How do individuals respond to stressors in real time? Which stressors are most important? How does life experience shape stress responses?

A 3-year, NIH-funded postdoctoral position is available to study how lived experiences shape stress responses and energy use in wild baboons. The postdoc will join Elizabeth Archie's research group at the University of Notre Dame (http://sites.nd.edu/archielab/). The project uses biologgers that record individual heart rate, physical activity, and body temperature on minute-to-minute scales. Using these data, we will work to understand how social and environmental conditions in early life and adulthood interact to shape acute autonomic stress, chronic stress, and energy expenditure. The baboons with the biologgers are studied by the Amboseli Baboon Research Project (ABRP: http://amboselibaboons.nd.edu/) in southern Kenya. This project has been running continuously since 1971, providing prospective, longitudinal data on all the major events and conditions of the baboons' lives.

Specific projects will include: (i) testing how experiences of adversity across the life course including early life and current, real-time conditions affect acute and chronic stress responses; (ii) testing how stress responses change with individual social status, physical condition, and age; and (iii) comparing heart rate, activity, and social stressors between wild and captive baboons. The Amboseli baboons are a model for understanding social and environmental predictors of health, microbiome composition, aging, and fitness. ABRP data are exceptionally rich and amenable to a wide range of projects, and strong, experienced applicants will be encouraged to also develop their own research questions.

Candidates must have a PhD in biology, ecology, evolution, evolutionary anthropology or a relevant social science (or plan to graduate in 2024 or 2025). The ideal candidate will have outstanding skills in coding, data analysis, writing, and oral communication. Candidates with experience in one or more of the following areas are especially encouraged to apply: longitudinal data analysis, stress physiology, field observations of social vertebrates, environmental drivers of physiological responses, behavioral ecology, and population-based database analysis. Familiarity or experience with primates (including humans) may be helpful, but is not required.

The Archie lab offers a congenial research environment that fosters strong interdisciplinary training and collaborative exchange. Specific collaborators on this project include Herman Pontzer (https://scholars.duke.edu/person/Herman.Pontzer), Susan Alberts (https://sites.duke.edu/albertslab/), and Mercy Akinyi (https://akinyimercy.co.ke/).

To apply, please send an email to Elizabeth Archie (earchie@nd.edu), including a cover letter, CV, and contact information for three references. The anticipated start date is in winter or spring 2025, but this timing is flexible for strong candidates. Applications are rolling and applicants are encouraged to submit their materials by November 15, 2024 for full consideration.

Elizabeth Archie (she/her) Notre Dame Collegiate Professor Department of Biological Sciences University of Notre Dame Notre Dame, IN Tel. (574) 631-0178 Office. 179 Galvin http://blogs.nd.edu/archielab/ Beth Archie <Elizabeth.A.Archie.2@nd.edu>

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UOregon PopulationGenomics

Postdoctoral positions in Population Genomics at University of Oregon

We are seeking qualified applicants for a postdoctoral position in the joint lab group of Drs. Andrew Kern and Peter Ralph in the Institute of Ecology and Evolution at the University of Oregon. Candidates would work in a few areas, including but not limited to: the development and application of deep learning methods for population genomic inference and/or the role of geographic space in adaptation. We are particularly interested in understanding how the forces of migration, selection, and demography shape patterns of genetic variation in whole-genome data from human, mosquito, and a variety of non-model organism populations.

The ideal candidate would hold a Ph.D. in population genetics, evolutionary biology, phylogenetics/phylogeography, computational biology, computer science, statistics, or a related field. Indeed, your exact field of research to date is less important than your interest in the scientific questions and motivation to learn. The ideal candidate would have experience programming in python or R, and have some experience with cluster computing environments.

More information about the Kern-Ralph co-lab can be found here: https://kr-colab.github.io/ - note in particular our expectations (https://kr-colab.github.io/-expectations).We are an extremely collaborative group, thus lab members work both on independent projects as well as collaborative projects. The position has funding for multiple years, so we hope to find candidates that will be with us for at least two years. More information about the Institute for Ecology and Evolution can be found here: https://ie2.uoregon.edu/ . The lab is located on the gorgeous University of Oregon campus. Eugene is a wonderful small city with an excellent quality of life that affords abundant outdoor opportunities in the nearby Cascade mountains and Oregon coast.

Review of applications will begin immediately and continue until the position is filled. Interested candidates should submit an electronic version of their CV along with a cover letter describing their qualifications and relevant experience to Andrew Kern (adkern@uoregon.edu) and Peter Ralph (plr@uoregon.edu). Persons with identities historically excluded from science and/or population genomics are particularly encouraged to apply. Inquiries welcome: please write if you have questions about the job or the qualifications.

Andrew Kern <adkern@uoregon.edu>

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UOulu DNAbasedTaxonomy

We are seeking one postdoctoral researcher to work on the Project "A Genomic Blueprint for the Description of Thousands of New Species" funded by the Research Council of Finland.

Position description: Our international research team will find solutions to the taxonomic impediment by developing approaches to dramatically accelerate species descriptions by taking advantage of high-throughput DNA sequencing tools. The research will focus on DNA-barcoded samples of Costa Rican gall midges (Cecidomyiidae), which represent a massively diverse and taxonomically 'dark' group of insects. The goal is to showcase how thousands of new species of gall midges can be described in a scientifically rigorous manner, and hence point the way towards a genomics-based future of taxonomy in similar "dark" taxa.

For more details on the position and "how to apply" follow the link below:

https://oulunyliopisto.varbi.com/what:job/jobID:764822/- Marko Mutanen Professor (Molecular Systematics and Bioliteracy) University of Oulu Finland

Insect Bioliteracy group: https://insgensyst.wordpress.com/- Finnish Barcode of Life (FinBOL): https://-www.finbol.org/ Biodiverse Anthropocenes: https:/-/www.oulu.fi/en/research/biodiverse-arctic-and-global-resilience/biodiverse-anthropocenes —-

We are seeking one postdoctoral researcher to work on Oulu University's Kvantum Institute Spearhead Project "Developing a Genomic Blueprint for a Bio-literate Future".

Position description: The post-doctoral researcher will focus on developing genomic tools for more accurate species delimitation of taxonomically problematic groups of sawflies. The studies will include use of e.g. shotgun sequencing of fresh tissues to recover USCO markers from specimens as well as sequencing old museum (type) specimens. Several sequencing platforms (ONT, PacBio, Illumina) will be utilized. Furthermore, the studies will focus on elucidation of the evolutionary causes of the presence of intra-individual variability of seemingly functional mitochondrial COI barcode marker in sawflies. The work will mostly focus on North European fauna. The research team has massive tissue collection of sawflies which will be largely used, but the work will also include field trips.

For more details on the position and "how to apply" follow the link below:

https://oulunyliopisto.varbi.com/what:job/jobID:764975/- Marko Mutanen Professor (Molecular Systematics and Bioliteracy) University of Oulu Finland

Insect Bioliteracy group: https://insgensyst.wordpress.com/- Finnish Barcode of Life (FinBOL): https://-www.finbol.org/ Biodiverse Anthropocenes: https:/-/www.oulu.fi/en/research/biodiverse-arctic-and-global-resilience/biodiverse-anthropocenes Marko Mutanen <Marko.Mutanen@oulu.fi>

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USouthCarolina PlantEvolutionaryGenetics

The Wessinger lab in the Department of Biological Sciences at the University of South Carolina is recruiting a postdoctoral researcher to study plant evolutionary genetics (of penstemons). Penstemon represents a continental adaptive radiation and exhibits a striking pattern of convergent evolution in floral pollination syndrome (bee -> hummingbird syndrome). We are using evolutionary genetic approaches to understand how and why these shifts have occurred so many times in this lineage. For more information about our lab's research, see our website: https://wessingerlab.github.io/research.html This postdoc will lead projects investigating the genetics of convergent evolution of complex traits using quantitative genetic, population genetic, and comparative approaches. In addition, they will develop creative new research directions focused on complex trait divergence, with opportunities to develop new independent research directions. Expertise in any or all of the following is preferred: population genetics/genomics, quantitative genetics, population genetic modeling, phylogenomics/molecular evolution, and/or fieldwork. This position will offer a competitive salary and flexible start date.

The EEB group at U of SC is an interactive, supportive, and collaborative community with several new and growing labs. U of SC is located in beautiful Columbia, SC. Columbia is a diverse and affordable small city with a vibrant downtown, wonderful climate, and easy access to outdoor activities. The Wessinger lab is a collaborative research group that is committed to building an inclusive and supported research team.

To apply, please contact me (Carrie Wessinger) by email (wessinc@mailbox.sc.edu) with a CV and a statement of interest that briefly describes your research experiences and interests and goals, and why this opportunity might be a good fit. Feel free to also email me any questions about this opportunity.

"Wessinger, Carrie" <WESSINC@mailbox.sc.edu>

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USouthernCalifornia CoralNeurogenomics

A postdoctoral position in neurogenomics is available in The Cnidarian Evolutionary Ecology (CEE) Lab at the University of Southern California (https://dornsife.usc.edu/carlslab/). The successful applicant will lead neuro- and comparative genomic analyses to characterize neurobiology-related genetic variation in wild coral populations. This position fulfils a need in the Environmental Neurogenomics research sphere of a newly funded Allen Discovery Center for Neurobiology in Changing Oceans which aims to bridge knowledge gaps about the neurobiology of marine animals in natural settings to enhance our predictive power and ability to intervene. This Center involves multiple investigators and institutions, providing ample networking and career development opportunities for the successful applicant. There will also be latitude to develop additional projects within the broader themes of the Center based on the candidate's interests.

To submit an application, visit: https://usccareers.usc.edu/job/los-angeles/postdoctoral-scholar-research-associate/1209/70320740368 The initial appointment will be for a 6-month probationary period, after which reappointment is possible for successful and productive candidates for up to a total of three years, with commensurate annual performance raises. An immediate start date is desired, but ideally the candidate will begin no later than January 2025. Remote, hybrid or flexible work arrangements can be negotiated. To be considered for this position, please submit a CV, contact information for up to three references and a cover letter outlining your fit with the position description and desired qualifications as detailed in the position description below. Submit applications as a single combined PDF. Applications will be reviewed beginning October 18 and will continue until the position is filled.

The CEE Lab values inclusion and encourages applications from diverse applicants. We define diversity as people of different backgrounds, races, nationalities, genders, sexual orientations, beliefs, religions, socio-economic statuses, and more, and inclusivity as an approach where we respect, welcome, encourage, and engage diverse perspectives. Our strength and success as a research group, department, and university, is built on the foundation

of a wide range of perspectives and experiences.

Research and communication (80%)

* Analyze whole genome sequencing data from local and regional collections of coral to identify genetic variants (e.g. SNPs, CNVs, INDELs and structural rearrangements) * Conduct eGWAS to identify variants that significantly co-vary with key environmental variables, such as, ocean floor topography, maximum and minimum temperature or dissolved CO2/pH levels. * Integrate population level analyses with species-level investigation by identifying orthologs in other publicly available genomes to investigate macroevolutionary patterns of variation, such as signatures of selection and convergent substitution, in known neurobiological pathways associated with relevant coral life- history traits. * Integrate genomic analyses with functional annotations and other datasets (e.g. RNAseq) to generate list of neurobiology relevant candidate genes. * Generate reproducible work-flows in collaboration with other Discovery Center neurogenomic sphere researchers. Maintain protocols in publicly available repositories. * Report results in the form of scholarly manuscripts and presentations at center meetings, conferences and other research and applied forums to disseminate findings to the broader community of scientists and reef restoration practitioners. * Conduct occasional wet-lab and/or fieldwork to procure specimens and support related center research aims as relevant/desired

Professional development: (10%)

* Develop skills and expertise by participating in laboratory and group meetings and undertake further training as required * Pursue additional research opportunities consistent with ultimate career goals * Build positive relationships with partner organizations to exchange information, accelerate future research directions, and translate results for reef restoration applications

Mentorship and engagement (10%)

* Supervising and training graduate and undergraduate students in neurobiology and/or genomic analyses. * Contribute to shared lab duties on a rotational basis.

QUALIFICATIONS - items are essential (E) or desirable (D)

Knowledge and experience

* PhD in relevant discipline (genomics, neurobiology, or similar) (E) * Knowledge of neurobiology (E) * Proven experience analyzing genomic data (E)

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UTasmania MHCEvolutionMultipleSclerosis

Postdoctoral Research Fellow to investigate the evolution of multiple sclerosis risk at the University of Tasmania (UTAS), in Hobart, Australia

We are seeking to appoint a Postdoctoral Research Fellow at the Menzies Institute for Medical Research (Menzies), part of the College of Health and Medicine.

The Postdoctoral Research Fellow will be involved in NHMRC and MS Australia funded research. This work uses population genomics to identify functional variation under selection at loci associated with multiple sclerosis risk, improving our understanding of the mechanisms underlying the disease. You will apply statistical and genomics expertise to develop pipelines to detect balancing selection in the major histocompatibility (MHC) region of the genome using large population datasets. This position will offer the opportunity for you to further develop leadership skills through planning and leading statistical genomics research and support the training and development of junior research staff and students.

What we're looking for: + A PhD or equivalent in statistical genetics, genetic epidemiology, or a related field. + Experience in the analysis of genomic data including practical experience with the use of high performance computing for the analysis of genome sequence data, and ideally with a focus on analysing immune system genes in the MHC region. + Demonstrated skills in bioinformatics relevant programming languages such as python, R, or perl. + A good record of, and continuing commitment to, research that has achieved national recognition and made worthwhile contributions to the field of statistical genetics, demonstrated by a record of quality publications, presentations at conferences and preferably success in securing external competitive and other funding relative to career stage and opportunity. + A record of contributing to building and maintaining effective and productive links locally and nationally with the discipline, profession, industry (where relevant) and wider community. + Demonstrated ability to work autonomously, as well as to collaborate successfully with other researchers/clinicians and be able to prioritise tasks and meet deadlines.

This is a full time, 1 year Fixed-Term position based in

Hobart, Tasmania, with part-time hours considered for the right candidate.

Details at: https://careers.utas.edu.au/cw/en/-job/500426/postdoctoral-research-fellow-statistical-population-genomics Applications close Monday, 25 November 2024, 11.55pm AEDT

Please share with any potential candidates, and contact me for further information.

Dr Bennet McComish Senior Research Fellow - Bioinformatics and Human Genetics Menzies Institute for Medical Research | University of Tasmania Private Bag 23, Hobart TAS 7000 +61 3 6226 4285 | bennet.mccomish@utas.edu.au

I acknowledge and pay respect to the Tasmanian Aboriginal community as the traditional and original owners and continuing custodians of the land on which I work.

bennet.mccomish@utas.edu.au

UWarsaw Poland FlatwormEvoDevo

Post Doc Position (Assistant Professor, temporary contract) University of Warsaw, Faculty of Biology, Institute of Evolutionary Biology

Application deadline: 15.12.2024 Publication of the results of the competition: 14.01.2025 Salary: Around 7300-7500 PLN per month (gross), plus a "13th salary" bonus (extra salary paid at the end of the year) Period of employment: 18 months, starting on 1.02.2024 or later Position: Post-doctoral researcher in the project "Elucidating ecological and developmental causes of asexual reproduction and colony formation in flatworm" funded by the Polish National Agency for Academic Exchange. Project leader: Dr. Ludwik Gasiorowski Research group: Comparative Invertebrate Zoology (https://ibe.biol.uw.edu.pl/en/835-2/research-groups/comparative-invertebrate-zoology/)

Project description: Asexual reproduction and coloniality are tightly linked in development and evolution. Although many colonial animals evolved from ancestors that reproduced asexually by budding, other types of asexuality could also give rise to coloniality. Catenulid flatworms use a rare mode of asexual development (i.e., paratomy) to alternate between reproduction and the formation of chains, simple modular colonies in which individuals remain connected with the gut. The main goal of the project is to elucidate molecular control and environmental factors behind asexual reproduction and its modification in catenulids. To achieve these goals, we work both on the established model catenulid, Stenostomum brevipharyngium, and on other species coming from laboratory cultures and field collections.

Objectives and duties of the postdoc: The person hired in this call will be responsible for the investigation of molecular developmental mechanisms behind asexual reproduction by paratomy in S. brevipharyngium. The project will have two aspects - descriptive (including comparative transcriptomics, microscopy, RNA in situ hybridization) and functional (employing dsRNA interference).

The hired person will have three main duties: 1. Experimental work: - RNA extraction and sequencing - RNA in situ hybridization - Gene knock-downs with dsRNA interference 2. Analysis of transcriptomic data 3. Preparation of scientific manuscripts, presentations at meetings and conferences

This is a research position, meaning the person will not have any official teaching duties. However, there will be a possibility of supervision of bachelor's and master's students.

Your profile: * PhD degree in biology or a similar area obtained not earlier than seven years before the employment in the project (note: this does not include periods of maternity or parental leave) * experience in one or more of the following disciplines: transcriptomics, evolutionary developmental biology, meiobenthology, invertebrate zoology, molecular biology, confocal microscopy * good knowledge of written and spoken English (knowledge of Polish is not required) * experience in the preparation and publication of scientific manuscripts * ability to work both independently and in the research team

Required application documents: * an application addressed to the Rector of the University of Warsaw including a signed statement on the processing of personal data (link to a template: https://-/bsp.adm.uw.edu.pl/wp-content/uploads/sites/18/-2021/01/Klauzula-informacyjna-przy-rekrutacji-do-pracy_11_2019_EN.docx); * copy of a PhD diploma; * professional CV including a list of publications; *

motivation letter including research plan and teaching offer (up to 2 pages); * names and contact data (e-mail, phone number) of two academic researchers who can provide information about the Candidate; * a statement, in which the candidate confirms having read and accepted the regulations for conducting competitions, as set out in Ordinance No 106 of the Rector of the University of Warsaw, from 27 September 2019, defining procedures for conducting a competition for the post of an academic teacher at the University of Warsaw (Monitor UW item 388). (link to the document in english: https://monitor.uw.edu.pl/Lists/Uchway/-Attachments/5592/M.2020.388.Obw.25%20EN.pdf)

Application procedure: Please contact the project leader, Dr. Ludwik Gasiorowski (ludwik.gasiorowski@uw.edu.pl), before submitting an official application.

All documents, preferably in one PDF, should be sent by e-mail to dziekanat.biol@uw.edu.pl and ludwik.gasiorowski@uw.edu.pl with annotation WB-K-14/2024. The two aforementioned statements should be signed manually and included as scans, or the entire file may be electronically signed.

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

UWarsaw ProtistSymbiosisEvolution

Postdoctoral Position in freshwater protist diversity and symbioses

Institute of Evolutionary Biology, Faculty of Biology, University of Warsaw, Poland

Position overview

The Institute of Evolutionary Biology invites applications from suitably qualified candidates to apply for a three-year Postdoctoral Research Fellowship as part of the Polish National Science Centre Sonata BIS project led by Dr Anna Karnkowska, called “Unravelling the establishment of endosymbiosis: quest for intermediate evolutionary stages among microbial eukaryotes (SYMBIOSTART)”. The successful candidate will join the Genomics and Evolution of Microbial Eukaryotes team. The SYMBIOSTART project’s main goal is to understand the establishment of endosymbiosis by identifying and characterizing novel protist-endosymbiont systems at intermediate stages of endosymbiosis. We will screen various freshwater environments for such interactions, isolating and identifying partners using microscopic and genetic methods. The organisms in the intermediate stages of endosymbiosis will be studied at the level of genome evolution and at the level of gene expression regulation that accompanies the endosymbiotic interaction. We will also examine the ultrastructure of the studied cells which - together with genetic information - will reveal the nature of the studied systems. Experiments on established cultures of protists and their endosymbionts will enable a deeper understanding of the endosymbiosis process, including identifying the genes encoding proteins essential for its early stages. More about the project: https://ibe.biol.uw.edu.pl/en/-projects/symbiostart/ The work will include:

- Participation in fieldwork and wet lab research, including the acquisition of material for further research, single-cell picking, establishing cultures, DNA/RNA isolation and sequencing. - Microscopy (light microscopy, FISH, TEM) and genomic characterization of newly identified organisms and their symbionts. - Bioinformatic analyses of genomic and transcriptomic data. - Preparation of publications, presentation of results, supervision of students participating in the project. - It is expected that the post-doc will travel for project-related meetings and conferences as well as potential training to other laboratories.

The ideal post-doc candidate will have a strong interest in evolutionary biology and microbial eukaryotes (protists). This project involves the isolation and culturing of new protist-bacterial symbioses, their microscopic characterization, and the development of innovative techniques to achieve these goals. Additionally, the project includes genomic and transcriptomic analyses of these new systems. Candidates are not required to have extensive experience in all these research areas. We welcome applicants with expertise in either culturing and microscopy or in bioinformatic analyses and a willingness to learn. Most importantly, we are looking for individuals interested in non-model organisms and evolution of eukaryotes.

Requirements

1. PhD degree in biology or a similar area obtained not earlier than seven years prior to the employment in the project (note: this does not include periods of maternity or parental leave). We also consider candidates who will soon complete their PhD. 2. Experience in laboratory work and/or sampling; 3. Research experience in

cultivation of microorganisms and microscopy and/or bioinformatics and genome analyses; 4. Good writing and oral communication skills in English; 5. Experience in first-author manuscript writing; 6. Scientific independence and team working skills;

Application Deadline: 31 October 2024

Start Date: 1 December 2024 or later

Monthly salary: 8700 PLN per month (gross), plus "13th salary" bonus

Application process

Applicants are required to submit the following documents in a single pdf, via email, to: dziekanat.biol@uw.edu.pl and a.karnkowska@uw.edu.pl with annotation WB-K-11/2024 by no later than midnight, on October 31st, 2024

1. an application addressed to the Rector of the University of Warsaw including a signed statement on the processing of personal data; 2. copy of a PhD diploma (for applicants without a diploma, a declaration of the expected date of the defense is expected) 3. a photograph; 4. professional CV including a list of publications; 5. motivation letter including research interests; 6. names and contact data (e-mail, phone number) of two academic researchers who can provide information about the Candidate; 7. a statement, in which the candidate confirms having read and accepted the regulations for conducting competitions, as set out in Ordinance No 106 of the Rector of the University of Warsaw, from 27 September 2019, defining procedures for conducting a competition for the post of an academic teacher at the University of Warsaw (Monitor UW item 388; English translation).

Selection process

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YaleU PlantPhylogenetics

The Edwards lab (www.edwardslab.org) is looking for a new post-doctoral research associate, with a flexible start date but open immediately. The postdoc will work primarily on phylogenomic analyses of the Portulacineae, with special emphasis on building a completely sampled phylogeny of Montiaceae (~250 species, spectacularly diverse in morphology and habitat). A particular challenge will be to creatively combine multiple types of genomic-scale datasets that have accumulated over the years, including targeted bait data, transcriptomes, genome skims, complete genomes, and ddRAD data. While we are looking for someone whose primary interests and expertise lie in data analysis and bioinformatics, there is always opportunity for fieldwork and/or experimental work with living plants, depending on interest!

The Edwards lab is a collaborative, fun group with a shared love of plants and evolutionary biology and we prioritize maintaining a supportive and inclusive environment. Postdoc compensation at Yale is generous, with a starting salary of $68,000. Initial appointment will be for one year with continued renewal based on performance. Interested candidates should email me a CV and contact information for two references.

Erika Edwards Professor of Ecology and Evolutionary Biology Curator of Botany and Paleobotany, Yale Peabody Museum Director, Marsh Botanical Garden

"Edwards, Erika" <erika.edwards@yale.edu>

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WorkshopsCourses

HCMR Crete ComputMolEvolution May11-22 Deadline

Dear Community,

The deadline for the 15th summer school on Computational Molecular Evolution funded by EMBO Practical Courses and organized by Ziheng Yang, Alexis Stamatakis, Adam Leaché, and me, is approaching!!! The course will take place from May 11th - 22nd 2025 in HCMR Crete, Greece!

Please visit the course web-site for further details: https://meetings.embo.org/event/25-comp-mol-evolution Applications for our summer school will close on November 1st 2024.

Please feel free to circulate this message.

Have a nice day

Aglaia (Cilia) Antoniou

Dr. Antoniou Aglaia (Cilia) Institute of Marine Biology, Biotechnology and Aquaculture (IMBBC) Hellenic Centre for Marine Research (HCMR) Gournes Pediados, P.O.Box 2214, 71003, Iraklio, Crete, Greece Tel.: +30 2810 337826 Fax: +30 2810 337820

Cilia Antoniou <antoniou@hcmr.gr>

HCMR Crete ComputMolEvolution May11-22 DeadlineNov1

Dear Community,

The 15th summer school on Computational Molecular Evolution funded by EMBO Practical Courses and organized by Ziheng Yang, Alexis Stamatakis, Adam Leaché, and me, will take place from May 11th - 22nd 2025 in HCMR Crete, Greece!

Please visit the course web-site for further details: https://meetings.embo.org/event/25-comp-mol-evolution The applications deadline is in 10 days!!! and will close on *November 1st 2024*.

Please feel free to circulate this message.

Have a nice day

Aglaia (Cilia) Antoniou

Dr. Antoniou Aglaia (Cilia) Institute of Marine Biology, Biotechnology and Aquaculture (IMBBC) Hellenic Centre for Marine Research (HCMR) Gournes Pediados, P.O.Box 2214, 71003, Iraklio, Crete, Greece Tel.: +30 2810 337826 Fax: +30 2810 337820

Cilia Antoniou <antoniou@hcmr.gr>

MPI Ploen ConceptsEvolutionBiology Feb10-13

The Max Planck Institute for Evolutionary Biology is organising a 4 day workshop to celebrate Darwin's Day on "Concepts of Evolutionary Biology" from 10-13th February 2025.

The purpose of this workshop is to discuss some of the most pertinent and exciting topics in modern evolutionary biology, from origins of life to predicting evolution. We are particularly interested in bringing together ideas from different disciplines to achieve a broad-scale understanding. The full list of topics and invited speakers is detailed below. The discussion for each topic will involve two speakers. The first will provide a "concept talk". Ideally this will include an introduction to the topic, but will then focus on concepts, perhaps including historical development of ideas. In those instances where the topic has proved controversial, then it would be important to provide a balanced critique of conflicting views. The second speaker will deliver an "empirical talk" based on current/on-going research. Lastly, these talks will be complemented by poster sessions and group discussions.

Early replicators and Origin of life:

-Nick Lane (University College London)

Niche construction:

-Kevin Laland (University of St. Andrews)

-Blake Mathews (Swiss Federal Institute of Aquatic Science and Technology)

Adaptive radiations:

-Dolph Schulter (University of British Columbia)

-Christopher Martin (University of California, Berkeley)

Fitness landscapes:

-Justin R Meyer (University of California, San Diego)

-Andreas Wagner (University of Zürich)

Polygenic Adaptation:

-Marcus Feldman (Standford University)

-Neda Barghi (Max Planck Institute for Evolutionary Biology)

Evolutionary Developmental biology:

-Natalie Feiner (Max Planck Institute for Evolutionary Biology)

-Emilia Santos (Oxford University)

Multilevel selection:

-Paul Rainey (Max Planck Institute for Evolutionary Biology)

-Katrin Hammerschmidt (Christian-Albrechts-University Kiel)

Holobiont and HGT:

-Ford Doolittle (Dalhousie University)

-Honour McCann (Max Planck Institute for Biology)

Predicting Evolution:

-Meike Wortel (University of Amsterdam)

-Peter Lind (UmeÃ¥ University)

We ask that everyone who wants to participate also submit a poster.

Registration and abstract submission deadline: 15th of November

Further details are available at the workshop website: https://workshops.evolbio.mpg.de/event/119/ Best regards,

Organizing team:

Alejandro Bonive Boscán Alexander Jacobsen Beatriz Vieira Mourato Enea Franceschini Gisela T. Rodríguez-Sánchez Prof. Dr Paul B. Rainey (Supporting Principal Investigator)

Concepts EvolBio <concepts-evolbio@evolbio.mpg.de>

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Online BayesianPhylogeneticInferenceBeast2 Nova18-29

Dear colleagues,

We are happy to announce the second edition of Transmitting Science' course "Bayesian phylogenetic inference with BEAST2".

Online live sessions on November 18th, 20th, 22nd, 25th, 27th, and 29th, 2024, from 15:00 to 18:30 (Madrid time zone)

Instructors: Dr. Joï¿½lle Barido-Sottani [1] (Ecole Nor-

male Supï¿½rieure de Paris, France) and Dr. Bethany Allen [2] (ETH Zurich, Switzerland)

Course Overview:

Bayesian phylogenetic inference is a powerful tool for reconstructing phylogenies while accounting for complex evolutionary dynamics. It allows prior knowledge to be integrated into the inference, and also provides a detailed picture of the uncertainty present in the dataset. However, the number and complexity of the available models and options can be daunting for users and can make it difficult to apply inference tools effectively in practice.

In this workshop, participants will learn the theoretical concepts underlying the different models involved in Bayesian phylogenetic inference, and get hands-on experience using these models in BEAST2. Particular attention will be given to more complex tree models, such as the fossilized birth-death model used to integrate past information into phylogenies, as well as rate-heterogeneous models which allow for variations in evolutionary dynamics across clades. Finally, the course will give practical information on setting up and troubleshooting analyses in BEAST2.

Registration and more information: https://-www.transmittingscience.com/courses/evolution/-bayesian-phylogenetic-inference-with-beast2/ Best wishes

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com Twitter @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction.

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Links:

[1] https://www.transmittingscience.com/-instructors/joelle-barido-sottani/ [2] https:/-/www.transmittingscience.com/instructors/-bethany-allen/ Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

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Online Clustering Oct22

Hi everyone

Instats is pleased to be offering a 1-hour course on Clustering High-Dimensional Data, running October 22 with Dr Nikolay Oskolkov. In the era of big data, the ability to effectively analyze and interpret high-dimensional data is increasingly critical. Researchers across the sciences face the challenge of extracting meaningful information from complex datasets. Clustering is a fundamental technique in unsupervised learning, providing a powerful means to identify patterns and group similar data points without prior labels. This workshop, led by Dr Oskolkov from Molecular Biosciences at Lund University, is designed to equip participants with the theoretical knowledge and practical skills needed to harness clustering methods using R and Python.

https://instats.org/seminar/clustering-high-dimensional-data2 Sign up today to secure your spot in this unique free event!

Best wishes

Michael Zyphur Director Institute for Statistical and Data Science instats.org

Michael Zyphur <mzyphur@instats.org>

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Online DNAMethylation Feb10-14

Dear all,

We are excited to announce our upcoming online course on DNA Methylation in Ecology and Evolution, which will take place from 10th to 14th February 2025. This course offers a valuable opportunity for researchers and professionals to gain in-depth knowledge and hands-on experience with cutting-edge DNA methylation analysis techniques.

Course website: (https://www.physalia-courses.org/-courses-workshops/dnamethylation/)

In this course, we will introduce the different available approaches for obtaining and analysing DNA methylation data, including bisulfite sequencing (BS-seq, EM-seq) with Ilumina and long reads with Oxford Nanopore. We will also touch on PacBio long-read analysis. We will cover all necessary steps to obtain methylation information from high throughput data to statistical analyses used to identify differentially methylated sites and regions.

By the end of the course, participants will be familiar with all steps required to extract methylation information from high-throughput sequencing data and interpret their biological relevance in ecological and evolutionary studies.

This course is aimed at researchers and technical workers who are or who will be generating and/or analysing DNA methylation from whole genome bisulfite sequencing data from IIlumina, PacBio data or Nanopore data. Examples demonstrated in this course will involve primarily non-model organisms with a draft reference genome available and examples of applications of this data type for different purposes will be covered.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-dnamethylation/)

Best regards,

Carlo

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Online GeneralizedAdditiveModelsInR Jan20-24

Dear all,

registrations are now open for the Physalia course on Generalized Additive Models in R.

Course website: (https://www.physalia-courses.org/-courses-workshops/gams-in-r/)

Dates: (online) January 20-24

The course will provide an applied introduction to generalized additive modelling in R for biologists. Most of the statistical methods you are likely to have encountered will have specified fixed functional forms for the relationships between covariates and the response, either implicitly or explicitly. These might be linear effects or involve polynomials. Generalized additive models (GAMs) are different; they build upon the generalized linear model by allowing the shapes of the relationships between response and covariates to be learned from the data using splines. Modern GAMs are a general data analysis framework, encompassing many models as special cases, including GLMs and GLMMs, and the variety of splines available to users allows GAMs to be used in surprisingly large situations. In this course we'll show you how to leverage the power and flexibility of splines to go beyond parametric modelling techniques like GLMs.

For the full list of our courses and workshops, please have a look at: (https://www.physalia-courses.org/-courses-workshops/gams-in-r/)

Best regards, Carlo

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Online GenomeAssemblyAndAnnotation Nov4-6

Early bird tickets have sold out but we still have a few limited places at the normal price.

ONLINE COURSE - Genome Assembly and Annotation (GAAA01)

https://www.prstats.org/course/genome-assembly-and-annotation-gaaa01/ 4th - 6th November 2024

Please feel free to share!

COURSE OVERVIEW - Genome assembly is the process of piecing together fragments of DNA to reconstruct the original genome. The genome provides crucial information for understanding genetic structure, function and variation.

In recent years, long-read sequencing technologies have revolutionized genome assembly. These long reads can span repetitive sequences and structural variations making genome assembly simpler but also reducing gaps and fragments in the genome, resolve repeats, help with the detection of structural variation as well as improved haplotype phasing.

During this course we will look at data generated using PacBio and Oxford Nanopore, discuss the pros and cons of both sequencing technologies and the effect they might have on genome assembly. During the course we will look at different tools available to generate assemblies, focussing on de novo genome assembly. Polishing using short or long reads and the introduction of Hi-C sequencing can increase completeness of the genomes. At the difference steps during the assembly process we will look at the contiguity, completeness and correctness of the generated genomes, thereby evaluation the status of the genome.

Once a genome has been assembled the next step is annotation. Genome annotation involves identifying and mapping locations of genes and other functional elements within the sequenced genome. We will take a look at the differences between prokaryote and eukaryote genomes and the tools available for annotation. We will talk about steps to improve annotation once the automatic annotation has been made.

By the end of the course, participants should:

Know the difference between Nanopore and PacBio data Be able to assembly genomes Be able to assess the generated genomes Assemble genomes integrating Hi-C data Know how to annotate a genome Please email oliverhooker@prstatistics.com with any questions.

Oliver Hooker PhD. PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online GenomicDataVisualisationWithR Nov18-20

Dear al,

there are a few seats left for our upcoming online course on Genomic Data Visualisation with R, taking place 18-20 November.

Course website: (https://www.physalia-courses.org/-courses-workshops/genomic-data-viz/)

This course will introduce you to essential graphs in genomics with R. We'll cover everything from expression study plots (e.g., volcano plots, peak profiling) to genome statistics and comparative genomics visualizations (e.g., phylogenetic trees, synteny plots).

This course is ideal for participants familiar with R. A brief introduction to R will be provided in advance.

Key Topics Covered: Monday: Volcano plots, PCA/t-SNE, heatmaps, pathway annotation Tuesday: Stacked bar plots, Manhattan plots, genome coverage Wednesday: Phylogenetic trees, Venn diagrams, synteny plots For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops)

Best regards,

Carlo

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Online IntroRNA-seq Oct15-23

Dear colleagues,

There are a few slots available for the course "Introduction to RNA-seq bioinformatic pipelines".

Dates and schedule: Online live sessions on 15th,16th, 18th, 21st, and 23rd of October, 2024; from 13:00 to 17:00 (Madrid time zone).

Instructors: Marcela Dotto (Instituto de Ciencias Agropecuarias del Litoral, Argentina) and Hernan G. Rosli (Instituto de Fisiologï¿½a Vegetal INFIVE, Argentina).

More information and registrations: https://-www.transmittingscience.com/courses/genetics-and-genomics/introduction-to-rna-seq-bioinformatic-pipelines/ This introductory course aims to guide students through the execution of the most common pipelines used to analyze different types of data generated through RNA sequencing with NGS technologies.

The course focuses on using Linux-based software and tools and is oriented toward graduates or postgraduates with a Biomedical or Life Sciences degree. No previous experience working with Linux-based operating systems is required.

Programme:

* Brief introduction to Linux * Quality control and preprocessing of fastq files * SAM format and samtools * RNA-seq * Small RNA sequencing * LncRNA discovery

Best regards,

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com Twitter @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction. Disclaimer of liability. - The sending of this communication does not imply any obligation on the part of the sender to control the absence of viruses, worms, Trojan horses and/or any other harmful computer program, and it corresponds to the recipient to have the necessary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

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Online IntroSingleCellAnalysis Dec2-4

ONLINE COURSE - Introduction to Single Cell Analysis (ISCA01)

https://www.prstats.org/course/introduction-to-single-cell-analysis-isca01/ 2nd - 4th December 2024

Please feel free to share!

COURSE OVERVIEW -Take your RNA-Seq analysis to the next level with single cell RNA-Seq. This technology allows insights with an unpredicted level of detail, but that brings a new level of complexity to the data analysis. In this course, we will learn about the most popular single cell platforms, how to plan a scRNA-Seq

experiment, deal with some of the many pitfalls when analysing your data, and effectively gain exciting, and cell type specific biological insights

By the end of the course participants should:

- Understand the basic principles of popular single cell platforms and the pros and cons of the different technologies. - Be able run standard software to process raw 10x Genomics and Parse Bioscience data and interpret the outputs - Understand how to use the 'Trailmaker' to quickly analyse scRNA-Seq data. - Understand the basics of the R Bioconductor 'Seurat' package, and how to combine it with other tools. - Understand how to perform appropriate data quality control and filtering. - Understand how to cluster cells both within and between samples, and identify possible cell types of individual cells and clusters - Understand how to use statistically robust methods to compare gene expression between samples to identify cell type specific changes in gene expression and potential pathways of interest. - Please email oliverhooker@prstatistics.com with any questions.

Upcomingcourses

ONLINE COURSE - Bioacoustics Data Analysis using R and Studio (BIAC04) This course will be delivered live

ONLINE COURSE - Metabarcoding Pipelines for Eukariotic Communities (MPEC01) This course will be delivered live

ONLINE COURSE - Genome Assembly and Annotation (GAAA01) This course will be delivered live

ONLINE COURSE - Introduction to Machine Learning using R and Rstudio (IMLR02) This course will be delivered live

ONLINE COURSE - Introduction to Single Cell Analysis (ISCA01) This course will be delivered live

ONLINE COURSE - Using Google Earth Engine in Ecological Studies (GEEE01) This course will be delivered live

ONLINE COURSE - Time Series Analysis and Forecasting using R and Rstudio (TSAF01) This course will be delivered live

ONLINE COURSE - Species Distribution Modelling With Bayesian Statistics Using R (SDMB06) This course will be delivered live

ONLINE COURSE - Remote sensing data analysis and coding in R for ecology (RSDA01) This course will be delivered live

ONLINE COURSE - Multivariate Analysis Of Ecological Communities Using R With The VEGAN package (VGNR07) This course will be delivered live

Oliver Hooker PhD. PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online MetabarcodingMicrobes Feb3-7

Dear all,

We are excited to announce our upcoming online course, Metabarcoding in Microbial Ecology, which will take place from February 3-7, 2025. This is an excellent opportunity for researchers and students looking to deepen their understanding of metabarcoding techniques and apply them to microbial ecology studies.

Course website: (https://www.physalia-courses.org/-courses-workshops/course30/)

Through a combination of theoretical lectures and practical exercises, you'll learn how to process raw sequencing reads and conduct statistical evaluations. By the end of the course, you'll be equipped to handle your own datasets and apply metabarcoding techniques to answer key ecological questions.

By the end of this course, participants will: Understand the potential and limitations of microbial metabarcoding techniques. Learn how to process raw sequencing reads to extract meaningful biological information. Gain experience in the statistical evaluation and visualisation of microbial community data. Be able to make informed decisions on best practices for their own metabarcoding projects. For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/-courses-workshops/)

Best regards, Carlo

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Online MultiOmicsDataIntegration Jan13-15

Dear all,

We are thrilled to announce our upcoming course on Machine Learning for Multi-Omics Integration, taking place online from January 13-15, 2025! This is your chance to dive into the world of biological Big Data and harness the potential of cutting-edge machine learning techniques to uncover hidden insights from diverse Omics datasets.

Multi-Omics integration is the key to unlocking synergies across datasets, helping us reveal novel biological pathways and better understand cellular behavior. With machine learning, we can take this integration to the next level, making sense of complex data to drive forward breakthroughs in biology and medicine.

Course website: https://www.physalia-courses.org/-courses-workshops/multiomics/ In this hands-on course, you'll explore: Machine learning methodologies for integrating large biological datasets. Supervised and unsupervised approaches to Omics integration. Deep learning techniques tailored to multi-omics data. Best practices and tools for single-cell Omics integration. For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops)

Best regards, Carlo

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Online NetworkAnalysis Oct17-18 Nov18-22

Hi everyone

Instats is offering a 2-day course From Basic to Advanced Network Analysis in R, running Oct 17 - 18 by professor Antonio Zinilli. This course offers a comprehensive understanding of network analysis and its application in R, which is valuable for evolutionary biologists as it provides the tools to analyze and visualize complex networks. These can be used to study relationships and interactions within ecological and evolutionary systems. The course provides a strong theoretical foundation and hands-on experience in analyzing and visualizing complex networks, equipping participants with practical skills needed to apply network analysis in their own research. Professor Zinilli has extensive experience and expertise in network analysis, and will lead participants through the underlying theory of networks coupled with a large variety of hands-on applications, demonstrating the value of network analysis for academic research across multiple fields.

https://instats.org/seminar/from-basic-to-advanced-network-analysis-6 We also have a new 5-day Computational Network Science Using Python course, running Nov 18 - 22 by professor Moses Boudourides, for those who prefer a computational approach using Python.

https://instats.org/seminar/computational-network-science-using-pyth2 Best wishes

Michael Zyphur Director Institute for Statistical and Data Science *instats.org* < http://instats.org >

Michael Zyphur <mzyphur@instats.org>

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Online PalaeobiologyWithR Nov25-29

DEAR COLLEAGUES,

TRANSMITTING SCIENCE IS OFFERING A NEW COURSE: "PALAEOBIOLOGY WITH R: METHODS FOR DEEP-TIME DATA ANALYSIS"

Course schedule: Online live sessions on November 25th-29th, 2024. From 14:00 to 18:00 (Madrid time zone).

Instructors: Dr. Lewis A. Jones [1], Dr. Alfio Alessandro Chiarenza [2], and Dr. Chris Dean [3] (University College London, UK).

Course Overview

In this introductory course to Analytical Palaeobiology attendees will be provided with an extensive guide to

the theory behind it, and tools available for getting started with reconstructing deep-time macroecological and macroevolutionary patterns.

First, key concepts such as the structure of the fossil record and associated geological and anthropogenic biases will be introduced, followed by the type of data and databases available for reconstructing deep-time biodiversity trends. Subsequently, we will introduce various tools available within the R environment for modelling deep-time macroecological and macroevolutionary patterns, and testing hypotheses.

R is one of the most popular languages in the world of Data Science and has been widely adopted by the paleobiological community to clean, analyse and plot data.

This course will provide an extensive introduction to palaeoverse, an R package that supports data preparation and exploration for paleobiological analysis. Additional packages developed by Palaeoverse [4], such as rmacrostrat, will also be introduced along with the versatility R has to offer.

This course will provide an opportunity for attendees to work with different researchers and gain experience working collaboratively in R to generate reproducible research.

Participants are encouraged to bring their dataset (but not required), as the schedule will include time for applying the tools presented in the workshop to their research questions.

More information and registration: https://-www.transmittingscience.com/courses/palaeobiology-with-r-methods-for-deep-time-data-analysis/
If you have any questions, please write to courses@transmittingscience.com

Best wishes

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com Twitter @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction. Disclaimer of liability. - The sending of this communication does not imply any obligation on the part of the sender to control the absence of viruses, worms, Trojan horses and/or any other harmful computer program, and it corresponds to the recipient to have the necessary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

Links: —— [1] https://-www.transmittingscience.com/lewis-a-jones/ [2] https://www.transmittingscience.com/-instructors/alfio-alessandro-chiarenza/ [3] https:/-/www.transmittingscience.com/chris-dean/

— / —

Online Phylogenomics Dec2-6

Dear all,

There are only a few seats available for our upcoming online course on Phylogenomics, running from December 2-6! This course covers essential tools and strategies for inferring phylogenetic relationships and divergence times using genome-scale data, with hands-on training on advanced models, Bayesian inference, and divergence time estimation.

Course website: (https://www.physalia-courses.org/-courses-workshops/phylogenomics/)

Ideal for researchers, PhD students, and postdocs looking to deepen their understanding of phylogenetic inference and tackle the challenges of multi-locus genomic data.

For the full list of our courses and workshpos, please visit: (https://www.physalia-courses.org/courses-workshops/-phylogenomics/)

Best regards, Carlo

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Online PythonforRusers Nov13

Hi everyone

Instats is offering a new 1-day seminar Python for R Users, running Nov 13 with professor Rebecca Barter from the Division of Epidemiology at the University of Utah School of Medicine. For researchers who are familiar with R, especially within the tidyverse ecosystem, transitioning to Python offers significant advantages, particularly for working with big data and machine learning or deep learning methods. Python's versatility and broad applicability in the field of Evolutionary Biology make it a crucial tool for complex data analysis and model building. To facilitate this, the seminar is designed to help PhD students, academics, and professional researchers leverage their existing R knowledge to quickly gain proficiency in Python, focusing on translating concepts and techniques familiar in R to the Python environment. Participants will gain a robust understanding of Python's libraries and data structures, enabling them to integrate Python into their research workflows efficiently and expand their analytical capabilities, including with Python's substantial toolkits for machine learning and deep learning such as Scikit-learn and Keras (for machine learning and deep learning).

https://instats.org/seminar/python-for-r-users2 Sign up today and don't miss out on this unique opportunity to easily transition from R to Python!

Michael Zyphur Director Institute for Statistical and Data Science *instats.org* < http://instats.org >

mzyphur@instats.org

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online RADseqUsingStacks Nov18-22

Dear all,

There are only a few seats left for our upcoming online course on RAD-Seq Data Analysis using Stacks, taking place from the 18th to the 22nd of November.

Course website: https://www.physalia-courses.org/-courses-workshops/course16/ This five-day course will cover essential steps in processing RAD-seq data using Stacks for population genetics, phylogenetics, and association studies. Participants will engage in both lectures and hands-on practical sessions, working through key steps to obtain informative genome variants from short-read data.

This course is ideal for researchers and technical staff working with RAD-seq, ddRAD, 2bRAD, GBS, and other reduced representation sequencing methods.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

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Online RNAseqInR Nov4-15

Dear all,

We have just a few spots left for our "Analysis of RNA Sequencing Data with R/Bioconductor" course, taking place online from 4-15 November.

This course provides practical statistical skills for analyzing high-throughput genomic data, perfect for biologists and bioinformaticians with basic R knowledge. You'll cover key concepts like hypothesis testing, genomic region analysis, differential expression, and gene set analysis everything needed to rigorously analyse RNA-seq data.

Course website: (https://www.physalia-courses.org/-courses-workshops/course19/)

Key Highlights: Learn to use Bioconductor and R for RNA-seq analysis Gain hands-on experience with tools like DESeq2 and SummarizedExperiment Understand statistical concepts behind high-throughput data analysis

Six sessions from 12:00 to 15:00 (Berlin time), featuring lectures, discussions, and practical exercises.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course19/)

Best regards,

Carlo

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Online RNAseqNonModelOrganisms Nov18-22

Dear all,

We are excited to announce that there are a few seats remaining for our online course "RNA-Seq Analyses in Non-Model Organisms" taking place from 18th to 22nd November.

Course website: (https://www.physalia-courses.org/-courses-workshops/course11/)

This course offers a comprehensive guide to RNA-Seq data analysis, with a focus on non-model organisms. Participants will learn de novo transcriptome assembly (using tools such as Trinity), expression analysis, and functional annotation. Additionally, hybrid assemblies using both short-read (Illumina) and long-read (PacBio IsoSeq) data will be explored.

Programme Highlights: Day 1: High Throughput Sequencing, 2nd generation

Day 2: NGS data de-novo transcriptome assembly Day 3: Long-read (3rd gen) sequencing and hybrid assembly Day 4: Transcript quantification, differential expression (using R/Bioconductor) Day 5: Differential expression analysis, final discussion

Target Audience: Biologists with basic bioinformatics skills and familiarity with Linux and R, seeking to explore transcriptome sequencing in organisms without a reference genome.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course11/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

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Online scRNASeqInR Nov4-8

Dear all,

We have just a few spots remaining for our upcoming course, Single-cell RNA-seq analysis with R/Bioconductor, taking place online from 4-8 November. This course is an excellent opportunity for biologists and bioinformaticians to dive into scRNA-seq workflows and analysis, from filtering data to downstream analysis of cell clusters and temporal ordering.

Course website: https://www.physalia-courses.org/-courses-workshops/course18/ Key topics include:

- Data processing, QC, and normalization - Batch effect correction, cell clustering, and annotation - Pseudo-time inference and temporal differential expression - Practical hands-on sessions with R/Bioconductor

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards,

Carlo

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Online SeascapeGenomicsInR Oct28-Nov1

Dear all,

we would like to inform you that there are only 3 seats available for the Seascape Genomics in R online course.

Dates: October 28th - November 1st

Course website: (https://www.physalia-courses.org/-courses-workshops/course70/)

You'll start by exploring how to extract and use environmental data from public databases to understand the seascape's structure. Learn to harness remote sensing tools to track sea temperature changes and water movements. Then, shift gears to genomic analysis discover how to evaluate genetic structures in marine populations and assess their connectivity. You'll uncover genomic signatures of local adaptation to environmental pressures and delve into methods for interpreting and validating results, particularly in conservation contexts. The course wraps up with key insights on designing seascape genomics experiments, from sampling strategies to formulating impactful scientific questions.

For the full list of our courses and workshops: (https://www.physalia-courses.org/courses-workshops/-course70/)

Best regards, Carlo

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Online SeascapeGenomics Oct28-Nov1

Dear all,

there are only 4 seats left for the online SEASCAPE GENOMICS IN R course, taking place from 28 October to 1 November.

Course website: (https://www.physalia-courses.org/-courses-workshops/course70/)

This course offers hands-on training in extracting environmental data from public databases, performing genomic analyses, and combining both data types to study local adaptation in marine organisms. Topics include the use of remote sensing data, genetic structure assessment, population connectivity, and the application of these insights in conservation and management.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

Should you have any questions, please feel free to contact us.

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

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Online SingleCellDataAnalysis Nov26

Hi everyone

Instats is offering a 1-day seminar on Single Cell Data Analysis in R and Python, running Nov 26 with professor Nikolay Oskolkov. Single-cell analysis provides unprecedented insights into cellular heterogeneity, enabling researchers to explore complex biological systems at the most granular scale. With applications in cancer research, developmental biology, and immunology,

among others, mastering the techniques of single-cell data analysis is essential for researchers aiming to push the boundaries of modern science. This one-day workshop offers an in-depth exploration of the computational tools and methodologies essential for high-level single-cell data interpretation.

https://instats.org/seminar/single-cell-data-analysis2
Sign up today to secure your spot in this unique seminar.

Best wishes

Michael Zyphur Director Institute for Statistical and Data Science instats.org

Michael Zyphur <mzyphur@instats.org>

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Online Two GenomeAssemblyAnnotation EcolCommunities

ONLINE COURSE ' Genome Assembly and Annotation (GAAA01)

We only have 4 places left on next week's course!

https://www.prstats.org/course/genome-assembly-and-annotation-gaaa01/ 4th - 6th November 2024

Please feel free to share!

COURSE OVERVIEW - Genome assembly is the process of piecing together fragments of DNA to reconstruct the original genome. The genome provides crucial information for understanding genetic structure, function and variation.

In recent years, long-read sequencing technologies have revolutionized genome assembly. These long reads can span repetitive sequences and structural variations making genome assembly simpler but also reducing gaps and fragments in the genome, resolve repeats, help with the detection of structural variation as well as improved haplotype phasing.

During this course we will look at data generated using PacBio and Oxford Nanopore, discuss the pros and cons of both sequencing technologies and the effect they might have on genome assembly. During the course we will look at different tools available to generate assemblies, focussing on de novo genome assembly. Polishing using short or long reads and the introduction of Hi-C sequencing can increase completeness of the genomes. At the difference steps during the assembly process we will look at the contiguity, completeness and correctness of the generated genomes, thereby evaluation the status of the genome.

Once a genome has been assembled the next step is annotation. Genome annotation involves identifying and mapping locations of genes and other functional elements within the sequenced genome. We will take a look at the differences between prokaryote and eukaryote genomes and the tools available for annotation. We will talk about steps to improve annotation once the automatic annotation has been made.

By the end of the course, participants should:

Know the difference between Nanopore and PacBio data Be able to assembly genomes Be able to assess the generated genomes Assemble genomes integrating Hi-C data Know how to annotate a genome

Please email oliverhooker@prstatistics.com with any questions.

Oliver Hooker PhD.

PR stats

ONLINE COURSE - Multivariate Analysis Of Ecological Communities Using R With The VEGAN package (VGNR07)

https://www.prstats.org/course/multivariate-analysis-of-ecological-communities-using-r-with-the-vegan-package-vgnr07/ 31st - March - 4th April 2025

Please feel free to share!

We encourage attendees to bring their own data, you will receive opportunities to discuss your data with the instructor throughout the course, if you would like guideline on how to organize your data prior to the course please ask oliverhoooker@prstatistica.com

This course is suitable for researchers (PhD and MSc students, post-docs, primary investigators) and environmental professionals who are interested in implementing best practices and state-of-the-art methods for modelling species' distributions or ecological niches, with applications to biogeography, spatial ecology, biodiversity conservation and related disciplines.

This 5-day course will cover R concepts, methods, and tools that can be used to analyze community ecology data. The course will review data processing techniques relevant to multivariate data sets. We will cover diversity indices, distance measures and distance-based multivariate methods, clustering, classification and ordi-

nation techniques using the R package VEGAN. We will use real-world empirical data sets to motivate analyses, such as describing patterns along gradients of environmental or anthropogenic disturbances, and quantifying the effects of continuous and discrete predictors. We will emphasise visualisation and reproducible workflows as well as good programming practices. The modules will consist of introductory lectures, guided computer coding, and participant exercises. The course is intended for intermediate users of R who are interested in community ecology, particularly in the areas of terrestrial and wetland ecology, microbial ecology, and natural resource management. You are strongly encouraged to use your own data sets (they should be clean and already structured, see the document: "recommendation if you participate with your data".

Classes will run from 08:00 - 13:00 for the morning lecture and 14:00 - 16:00 for the practical (UK time) with an evening time session tbc for US, Canada etc. attendees. The course will be recorded and made available each day and will remain available for 28 days after the course for you to revisit any lectures.

DAY 1 - Module 1: Introduction to community data analysis, basics of programming in R - Module 2: Diversity analysis, species-abundance distributions

DAY 2

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

Paris PolygenicAdaptation Mar10-14

On behalf of the organizing committee, it is my pleasure to announce the workshop "Polygenic adaptation: from quantitative genetics to population genomics", part of the QLife Quantitative Biology Winter School Series.

Topic: Adaptation to novel environments depends on many alleles with largely undetectable fitness effects. With the advance of DNA sequencing technologies, the combination of genome-wide association analyses with genomic prediction methods has become the state-of-the-art approach to link adaptive trait responses to genetic changes at the molecular level. The workshop will introduce students to evolutionary theory and the tools employed to test alternative models of polygenic adaptation. Current advances in detecting polygenic adaptation in experimental and natural populations will be discussed. The course will introduce the participants to the analysis of phenomic and genomic data covering the latest software.

When and where: March 10-14, 2025; Ecole Normale Superieure, 46 Rue d'Ulm, 75005 Paris - France.

Faculty: Neda BARGHI, Vienna/Ploen; Nicholas BARTON, Vienna; Timothée FLUTRE, Paris; Frédéric GUILLAUME, Helsinki; Susan JOHNSTON, Edinburgh; François MALLARD, Paris Katrina McGUIGAN, Brisbane; Luisa PALLARES, Tübingen; Patrick PHILLIPS, Eugene;— Christian SCHLÃTTERER, Vienna; Bertrand SERVIN, Toulouse; Erik SVENSSON, Lund; Jacqueline SZTEPANACZ, Toronto; Henrique TEOTÃNIO, Paris; Céline TEPLITSKY, Montpellier; Pierre de VILLEMEREUIL, Paris; Ben WÃLFL, Vienna

Organizers: Patrick CHARNAY, Paris; Christian SCHLÃTTERER, Vienna; Henrique TEOTÃNIO, Paris

Format: The course will include introductory and research lectures in the mornings, followed by computer practicals in the afternoons. The evenings will include keynote speaker seminars and poster presentations by the students. Common lunches and dinners with the speakers and instructors will foster informal discussions.

Public: The winter school is limited to 25 participants. It is open to advanced master students, PhD students,— as well as postdocs and junior scientists, with backgrounds in life sciences, physics, computer science or mathematics.

Requirements: Strong interest in evolutionary genetics, and experience in file manipulation under Unix/Linux and Python or R programming.

Apply by January 8, 2025, at : https://-forms.office.com/e/1VySeNcY0Y. A participation fee of 150 euro includes access to materials, lunches and some dinners Monday to Friday. Please send a CV, a motivation letter and a supporting letter from a supervisor as a single pdf file with "Qlife Polygenic Adaptation Winter School2025_LASTNAME" as subject header to Aida.Fakhr@curie.fr. Informal inquiries are welcome: teotonio@bio.ens.psl.eu

Additional information including a detailed program at: https://www.edu.bio.ens.psl.eu/spip.php?article287 Henrique Teotónio Institut de Biologie de l'ENS 46 Rue d'Ulm 75005 Paris, France https://www.ibens.ens.fr/-?rubrique28 teotonio@bio.ens.psl.eu

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Phoenix RADSeq Nov9

RADCamp Phoenix 2024

This workshop is designed to guide participants through generating reproducible bioinformatic assembly and analysis of RAD-seq datasets using ipyrad, a simple, user-friendly, and powerful toolkit. It is intended as a bootcamp for early career scientists to learn best practices. The content of the workshop will broadly follow that of previous RADCamp workshops (e.g. RADCamp 2024 San Francisco: https://radcamp.github.io/-SanFrancisco2024/), including bioinformatics taking raw Illumina reads to output files, and several popular downstream popgen/phylogenetic analyses.

The workshop fee is $20 (waivers available upon request).

Workshop registration: https://forms.gle/-sw6GkLFChMzngwuLA Workshop date/time/location:

November 9, 2024 (9am-5pm)

Urban Systems Engineering Building, Room 108 Arizona State University Tempe, AZ

RADCamp Phoenix Organizing Team Isaac Overcast (California Academy of Sciences) Natalie Payne (University of Arizona) Nathan Upham (Arizona State University)

isaac overcast <isaac.overcast@gmail.com>

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SanDiego CitizenSciGenomics Jan14

WHERE: San Diego, US

WHAT: Workshop at Plant and Animal Genome 32 (PAG 32) International Conference

WHEN: Tuesday January 14th, 2025

Please also find the info on the INCREASE news

https://www.pulsesincrease.eu/news/call-for-abstracts-workshop-on-participatory-and-citizen-science-genomics-at-pag32 Call for Abstracts

Participatory and Citizen Science Genomics

Plant and Animal Genome 32 (PAG 32) International Conference http://www.intlpag.org/ January 10-15, 2025 Town and Country Convention Centre, San Diego, California

The Participatory and Citizen Science Genomics workshop is confirmed at the Plant and Animal Genome 32 (PAG 32-2025) International conference.

You are invited to attend this Workshop and submit abstracts for oral presentations.

Participatory approaches and citizen science are more and more commonly used to address multiple scientific questions and, at the same time, exploit the potential of directly involving stakeholders and citizens. This enhances research dissemination and favors a more effective innovation pipeline multiplying the societal impact of scientific research. Indeed, worldwide scientists are increasingly engaged with open science, open innovation, and open-to-the-world principles. A main aspect of the success of citizen science is also the opportunity of taking advantage of cutting-edge digital technologies, to make science and innovation more collaborative and global. Open Science and Participatory research represent innovative ways to perform scientific research and processes based on cooperative work and new approaches to disseminate and share knowledge using digital technologies and new collaborative tools. Participatory and Citizen Science Initiatives in the Research Area are incredibly increasing in the last five years and many projects in plant and animal sciences are nowadays exploiting the potential of exploring participatory and citizen science, particularly in biodiversity conservation and crop improvement. This workshop will give the opportunity to keynote scientists and projects to illustrate the Participatory and Citizen Science experiments they are putting in place and highlight the genomics contributions in agriculture, for plants and animal conservation, and for agroecological sustainability.

The Workshop will take place on Tuesday January 14, with a provision for 6 invited speakers. Invited presentations will be selected from the submitted abstracts. Please send your abstract and details using the form at the link https://forms.gle/jHXs9Wb1PgCo2pU29, no later than November 6, 2024.

Please make sure to include affiliations of all authors and email address of the corresponding author/speaker.

You will be notified by November 18, 2024 whether your abstract has been selected for an oral presentation.

Thereafter, the selected presenters will need to submit their abstract to the PAG website. Authors whose abstracts are not selected for oral presentations are highly encouraged to present a poster at the conference.

For information and questions regarding the Participatory and Citizen Science Genomics workshop, please contact Roberto Papa (and/or Elisa Bellucci) or write to PAG.citizenscience@gmail.com

Organizer:

Roberto Papa - r.papa@univpm.it

Department of Agricultural, Food and Environmental Sciences, Università Politecnica delle Marche Ancona, Italy

Co-organizer:

Elisa Bellucci - e.bellucci@univpm.it Department of Agricultural, Food and Environmental Sciences, Università Politecnica delle Marche Ancona, Italy

ROBERTO PAPA <r.papa@staff.univpm.it>

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SanDiego ConservationGenomics Jan10

ORG.one Genomes for Conservation Workshop at PAG32

Dear Colleagues,

We are excited to solicit abstracts for the upcoming workshop at PAG 32: ORG.one genomes for conservation of endangered species. The workshop will be held on Friday, January 10, 2025 from 10:30 AM to 12:40 PM in room Pacific E at the Town and Country Resort in San Diego, CA.

We are soliciting abstracts from interested individuals and groups to present at the workshop. Any project that relies on Org.one or ONT sequencing for conservation genomics is appropriate for submission. This includes wet lab and bioinformatic methods, de novo genome sequencing projects, population genetic projects, outreach initiatives, or other projects derived from participation in the ORG.one project.

To submit an abstract, please email it format to the workshop organizer before Friday, November 15, 2024. Selected abstracts for oral presentations will be 15 minutes long. Presenting authors will be contacted in early November to provide a title. Early bird registration is ending soon (Oct. 31st) with rates increasing on Nov. 1st, however, workshop speakers can obtain 'early-bird' registration rates after November with a discount code.

If you have questions, please get in touch!

Karl Fetter (Organizer) Jill Wegrzyn (Moderator) Kara Dicks (Moderator)

Karl C. Fetter, PhD

USDA NIFA Postdoctoral Fellow Plant Computational Genomics Lab Department of Ecology and Evolutionary Biology University of Connecticut kcf@uconn.edu hemlock@uconn.edu

karl.fetter@gmail.com

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SanDiego PopulationConsGenomics Jan10-15

Call for Abstracts - Reminder Population and Conservation Genomics Workshop Plant and Animal Genome 32 (PAG 32) International Conference https://-www.intlpag.org/2025/ January 10-15, 2025 Town and Country Convention Centre, San Diego, California

The annual Population and Conservation Genomics workshop will be held at the Plant and Animal Genome 32 (PAG 32) International conference. You are invited to attend this Workshop and submit abstracts for oral presentations on any population and conservation genomics aspect of both plants and animals. The topics may include (but not limited to): population genomic diversity and structure; molecular evolution; pangenomes; phylogeography; landscape genomics; seascape genomics; natural selection and local adaptation; ecological and evolutionary genomics; population epigenomics; paleogenomics; eDNA; bioinformatics in population and conservation genomics; population genomics of speciation; metapopulation genomics; application of genomics in breeding, forensics, biogeography, demography inferences, and conservation and management of genetic resources; genomic effects of domestication, management practices, fragmentation, bottlenecks, climate and environment change, and transgenic deployment; and gene conservation; etc.

The Workshop will have 2 sessions (11 and 13 January)

with a provision for 12 invited speakers. Most of the invited presentations will be selected from the submitted abstracts. Please send your abstract of no more than 250 words by e-mail to Om Rajora (Om.Rajora@unb.ca) as an attached Word file no later than October 31, 2024. Please make sure to include complete affiliations of all authors and email address of the corresponding author. You will be notified by November 7, 2024 whether your abstract has been selected for an oral presentation. Thereafter, the selected presenters will need to submit their abstract to the PAG website. Authors whose abstracts are not selected for oral presentations are highly encouraged to present a poster at the conference.

Inquiries and Abstract Submission

For information and questions regarding the Population and Conservation Genomics workshop, please contact Om Rajora at the following coordinates.

Dr. Om P. Rajora University of New Brunswick Fredericton, NB E3B 5A3, Canada. E-mail: Om.Rajora@unb.ca Tel: (506) 458-7477

Om Rajora <om.rajora@unb.ca>

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UAutonoma Madrid EvoDevoTechnologies Dec16-19

There are still some spots available for the course:

"New Technologies for Developmental Evolutionary Biology Studies"

Where: Centro de Investigacion en Biodiversidad y Cambio Global, Universidad Autonoma de Madrid, Spain (CIBC-UAM)

When: 16th-19th December 2024

Language: English

Applications: September 20th to October 25th

Course website: https://urldefense.com/v3/__https://sites.google.com/view/evodevo2024/-home__;!!D9dNQwwGXtA!XreKWS7wCpCG_2Wt_T8z57W0vMYiyA6-dqRyUp96TjJZOVdyeSLafLoROR2xs2ubaPVKvS5NdntjBydxOL796qwIz0j5Pi0Thg$

The Centro de Investigacion en Biodiversidad y Cambio Global- Universidad Autonoma de Madrid (CIBC-UAM) offers this intensive theoretical and hands-on course for advanced graduate students, postdoctoral fellows, and senior researchers who seek to stay updated on the hot topics in evolutionary developmental biology research.

For four days, internationally renowned experts will teach basic concepts and skills in evolutionary developmental biology, with a particular emphasis on the latest techniques developed for addressing these studies. Additionally, all sessions will include a practical component where students will perform data analysis and interpretation.

This course, with a strong theoretical foundation and an intense practical component, aims to update students' knowledge in evolutionary developmental biology and stimulate their creativity, expanding the range of techniques to be used in their respective research projects.

Topics covered:

* comparative transcriptomics
* single cell transcriptomics
* bulk transcriptomics
* spatial transcriptomics
* ATAC-seq technique
* phylogenomics
* comparative genomics
* gene regulation
* plastic phenotypes
* evolutionary novelties

If you have any questions, please send an email to (eco-evodevo.cibc@gmail.com)

Kind regards,

The organizers

David Buckley Dpto. Biologï¿½a (Genï¿½tica) y Centro de Investigaciï¿½n en Biodiversidad y Cambio Global (CIBC-UAM) Universidad Autï¿½noma de Madrid (UAM) c/ Darwin 2, 28049-Madrid, Spain

https://www.researchgate.net/profile/David_Buckley4 https://scholar.google.com/citations?hl=en&user=-qEFTmfkAAAAJ David Buckley Iglesias <david.buckley@uam.es>

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UPretoria SouthAfrica ConservationGenetics

Conservation Genetics and Wildlife Management Course and Workshop:

Theme: Applications of Genetics in Wildlife Management, Molecular Ecology, and Conservation Genetics.

When: December 9-15, 2024 at the University of Pretoria, South Africa. UP is one of Africa's top universities and the largest university in South Africa.

Course Objective: To train participants to understand and use population genetics principles and DNA-marker data to improve biodiversity conservation. The course will teach research approaches, monitoring, data analyses, and interpretation (RADseq, amplicon-seq, targeted capture, WGseq). The course will help bridge the gap between research and management to improve conservation (e.g., Allendorf et al. 2022, Chapter 24). This course is urgently needed and timely given the extinction crisis and the recent Kunming-Montreal Global Biodiversity Framework in which 196 parties committed to reporting the status of genetic diversity for all species wild and domestic (Mastretta-Yates et al. 2024; Hoben et al. 2024). For details on ConGen-Africa: see https://www.umt.edu/ces/conferences/congen/africa/ Who should apply: Advanced Undergrads, M.S. & Ph.D. students, post-docs, faculty, agency researchers, and population biologists. To maximize benefits from days 3-5, attendees should have taken a course in population genetics and population ecology - or understand most of Chapters 4-10 in the book Allendorf et al. 2024). Participation on days 3-5 is limited to ˜30 people to allow efficient instruction with hands-on computer exercises.

Dates and Content: Monday - Friday, Dec. 9-13, 2024. 9 am to 4 PM daily. The first two days include basic concepts (mechanisms of evolutionary change) and applications of genetics for conservation. Days 3-5 include hands-on data analysis and interpretation using microsatellites, SNPs, and next-generation sequence datasets) using popular programs like Structure, NeEstimator, GeneClass/RUBIAS, and packages in Rstudio on days 4-5.

You will learn (or review) the following including real-life examples (as in the book Allendorf et al. 2022):

1. mechanisms of evolutionary change: genetic drift, gene flow, selection, & mutation (days 1-2) 2. importance of testing for Hardy-Weinberg proportions and linkage disequilibrium (some basic knowledge of HW- and LD-testing is recommended mainly for days 3-5) 3. basic use of R (writing simple command line arguments to make graphs, and conduct statistical tests, including HW tests and PCAs for population structure assessment. We'll teach use of R and command line programs during an online Zoom lecture one week before the course. R is the most widely used software and language in statistics and biology and increasingly for population genetics (Pardis 2020; Jombart & Ahmed 2011; Kamvar et al. 2015, 2016; Kardos & Luikart 2021; Kardos et al. 2022; Hemstrom & Jones 2023; Zhang et al. 2023; Yang et al. 2023; Jenkins 2024; Bailey 2024). 4. Participants should have an advanced understanding of spoken and written English

Field trips to Kruger National Park & Mabula Hornbill Sanctuary are possible, including wildlife safari drives (TBA).

Main Instructors: Gordon Luikart, Will Hemstrom, Other local and international instructors to be announced

"Luikart, Gordon" <gordon.luikart@mso.umt.edu>

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Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral

positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to me at Golding@McMaster.CA. In addition, if it originates from 'blackballed' addresses it will be sent to me at Golding@McMaster.CA. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

To be removed from the EvolDir mailing list please send an email message to Golding@McMaster.CA. Note that 'on vacation', etc, style messages are automatically filtered and should not be transmitted to the list (I hope), but should you wish to avoid the e-mail's your code can be temporarily changed to 000000.

To send messages to the EvolDir direct them to the email evoldir@evol.biology.McMaster.CA. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. . . . plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be send to me at Golding@McMaster.CA and processed later. In either case, please do not expect an instant response.

Afterword

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LaTeX do not try to embed LaTeX or TeX in your message (or other formats) since my program will strip these from the message.