E v o l D i r

October 1, 2023

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

Copenhagen Hologenomics Jun30-Jul2

We are delighted to advertise an upcoming conference, on Hologenomics, to be held in Copenhagen (Denmark) from Sunday June 30th until Tuesday 2nd July, 2024.

The conference is hosted in Central Copenhagen, by the Center for Evolutionary Hologenomics at the University of Copenhagen, and serves as a follow up to our prior Hologenomics meeting held in Bilbao in September 2022 at which ca 300 people attended in person and online, to general great enthusiasm.

Overall the aim of the conference is to present state of the art applications of hologenomics (ie combined analyses of host genomic and microbiomic datasets) across a range of basic and applied systems, with one of the principal attractions being that the talks can act as a source of great inspiration as to how taking such approaches can benefit your own work.

We anticipate that again we will be able to host both attendees in person, but also via the internet.

Thanks to generous sponsorship principally from the NovoNordisk Foundation, the conference will be free to attend (including lunches, coffee and snacks etc), although there will be a mandatory sign up for attendees to enable us to appropriately cater for the event. Those attending in person will be welcome to submit abstracts for consideration in both poster and oral presentations.

More details, including the range of topics covered as well as the confirmed invited speakers can be found at the conference website.

https://www.appliedhologenomicsconference.eu/ We look forward to hosting some of you in Copenhagen next summer,

On behalf of the organisers,

Tom Gilbert

Director DNRF Center for Evolutionary Hologenomics

Professor of Palaeogenomics, The Globe Institute, University of Copenhagen & Professor II, NTNU University Museum

ster Farimagsgade 5A 1353 Copenhagen Denmark tgilbert@sund.ku.dk +45 23 71 25 19

“tgilbert@sund.ku.dk” <tgilbert@sund.ku.dk>

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

Edinburgh MutationsInTimeAndSpace Apr23-25

Dear colleagues,

Technological and theoretical advances have driven recent insights into mutational processes active across var-

ious biological scales. From species to tissues, through clonal lineages and specific genomic features, we'll come together at this conference to explore the wider significance of mutagenesis and genetic variation.

Conference: Mutations in Time and Space

Dates: 23-25 April 2024

Location: Edinburgh, UK

An early bird discount is available for the first 20 registrees and registration includes attendance of the conference dinner and ceilidh, which is a traditional Scottish dance. There are limited guest places available for the conference dinner. Members of the Genetics Society are offered a discount. Please ensure you add your membership number or transaction ID from joining when you register.

Website: www.mutationmeeting.com Registration: https://www.epay.ed.ac.uk/conferences-and-events/college-of-medicine-and-veterinary-medicine/-edinburgh-medical-school-medical-education/-mutations-in-time-and-space Abstract deadline: 14/12/23

Organisers:

Prof Martin Taylor, MRC Human Genetics Unit, University of Edinburgh

Dr Michelle Trenkmann, Senior Editor, Nature

Dr Raheleh Rahbari, Wellcome Sanger Institute

Prof Veronica Kinsler, Francis Crick Institute

Dr Craig Anderson, MRC Human Genetics Unit, University of Edinburgh

Confirmed Speakers:

Dr Peter Campbell, Wellcome Sanger Institute

Dr Kelley Harris, University of Washington

Prof Joakim Lundeberg, KTH Royal Institute of Technology

Prof Anne Goriely, University of Oxford

Dr Inigo Martincorena, Wellcome Sanger Institute

Dr Kamila Naxerova, Harvard University

Dr Tim Coorens, Broad Institute

Dr Caroline Watson, University of Cambridge

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.

Craig Anderson <Craig.Anderson@ed.ac.uk>

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Helsinki EuroEvoDevo Jun25-28 ProposalDeadline

Dear EvoDevo researchers,

This is a reminder that the deadline for symposium proposal for the *9th meeting of the European Society for Evolutionary Developmental Biology* (EuroEvoDevo) is *30th September 2023*. EuroEvoDevo is scheduled for 25th - 28th June 2024 in Helsinki, Finland (http://-www.euroevodevo2024.fi/).

We are committed to stimulating interdisciplinary dialogue and enhancing international collaboration. Therefore, we strongly encourage symposium proposals encompassing broad, integrative topics of potential interest to researchers from various fields such as developmental biology, genetics, paleontology, theoretical biology, ecology, genomics, comparative biology, all underpinned by an evolutionary focus. Symposium proposals that synergize animal and plant studies, with a particular emphasis on evolutionary mechanisms, are also highly encouraged. As part of our commitment to promoting new voices and diverse perspectives in our field, we also strongly encourage the submission of symposium proposals to those interested in exploring controversial or emergent topics.

In our ongoing commitment to promoting new perspectives and inclusive dialogue, we are particularly interested in receiving proposals from first-time applicants and early-career researchers (postdocs, junior PIs). Additionally, we are dedicated to promoting diversity, equity, and inclusion within our scientific community, and we strongly encourage proposals from researchers across various countries and diverse backgrounds.

Each symposium will accommodate four invited speakers, with a time allotment of 25 minutes for each speaker (20 minutes for presentation and 5 minutes for discussion). Please remember that speakers can only present in one symposium. To facilitate the selection process, *please follow this link* (https://elomake.helsinki.fi/-lomakkeet/124795/lomake.html), which will guide you to a submission forms submission page. The form will ask for the following details:

1. Title of Symposium. 2. Provisional List of Proposed Speakers. 3. Abstract Length Description of the Sym-

posium, including a brief indication of each speaker's contribution. 4. Brief justification of why the symposium is appropriate for an EED meeting (e.g., timeliness, general interest, interdisciplinarity, integration of evo and devo) 5. Contact Information of all symposium organizers and additional details. 6. Indicate whether you intend to seek external financial support for your symposium (Please note that while we don't provide financial support for invited speakers, we strongly encourage symposium organizers to seek external support). 7. Feedback for the organizers

Our selection process is designed to be transparent and fair and is based on the criteria stated above and in the form. It is driven by our commitment to reflect the broad spectrum of interests and perspectives within our field and demonstrate a clear attempt to integrate Evolutionary and Developmental Biology.

We look forward to receiving your symposium suggestions!

Also, please feel free to contact me in case you have any questions (sylvie.retaux@cnrs.fr).

On behalf of the scientific committee,

Sylvie Rétaux, Program Officer EED

https://evodevo.eu/about-euro-evo-devo/ <sylvie.retaux@cnrs.fr>

Euro Evo Devo 2024

European Evolutionary Developmental Biology society meeting

June 25 - 28, 2024 in Helsinki, Finland

http://www.euroevodevo2024.fi/ https://twitter.com/-EED2024 https://ecoevo.social/@EED2024 EED Society <eed.soc@gmail.com>

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Helsinki EuroEvoDevoSymposiumProposals Oct14Deadline

Dear EvoDevo researchers,

Due to multiple requests we are extending the deadline for symposium proposals for the *9th meeting of the European Society for Evolutionary Developmental Biology* (EuroEvoDevo) to *14th October 2023*. EuroEvoDevo is scheduled for 25th - 28th June 2024 in Helsinki, Finland (http://www.euroevodevo2024.fi/).

Each symposium will accommodate four invited speakers, with a time allotment of 25 minutes for each speaker (20 minutes for presentation and 5 minutes for discussion). Please remember that speakers can only present in one symposium. To facilitate the selection process, *please follow this link* (https://elomake.helsinki.fi/-lomakkeet/124795/lomake.html), which will guide you to a submission forms submission page. The form will ask for the following details:

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We look forward to receiving your symposium suggestions!

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Euro Evo Devo 2024

European Evolutionary Developmental Biology society meeting

June 25 - 28, 2024 in Helsinki, Finland

http://www.euroevodevo2024.fi/ https://twitter.com/-EED2024 https://ecoevo.social/@EED2024 EED Society <eed.soc@gmail.com>

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Lyon FrenchSocEcoEvol Oct21-25 2024

Dear colleagues,

Mark your calendars!

We are delighted to announce that the next colloquium of the French Society of Ecology and Evolution will be held in Lyon from October 21 to 25, 2024. The meeting website, where you'll find the names of our guest speakers, is already open: https://sfe2-2024.fr/fr At a time when our society is facing a climate crisis that has been predicted for decades by scientists the world over, declining animal and plant biodiversity, soil degradation, dwindling water and mineral resources, more than ever research in ecology and evolution seems necessary to understand the mechanisms, evolutionary trajectories, accumulate knowledge and seek new solutions.

We therefore invite you to join us in the 'capitale des Gaules' for a friendly meeting covering all aspects of ecology and evolution.

A call for symposia will open in September. SFE2 2024 Organizing Committee

Patricia Gibert <patricia.gibert@univ-lyon1.fr>

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NatlUSingapore AsiaEvo Dec16-18 Deadline

Dear Colleagues,

The 3rd Asia Evolution (AsiaEvo) Conference will be held at the National University of Singapore from December 16-18, 2023.

We would like to invite you to submit an abstract for our symposium, entitled:

"Novel Insights Regarding Genome Architecture Evolution in the Arthropoda"

Abstract Submission site (Deadline October 1): https://phylorf.org/ Full list of Symposia: An evolutionary perspective on pollinator biodiversity, systematics, and conservation Behavioral evolution in vertebrates: diversity, genomics, and mechanisms Early evolution of vertebrates from evo-devo and paleontological perspectives Fitness landscapes bridge evolution and molecular biology Frontiers in vertebrate functional-morphological evolution studies Genetics of adaptation and evolution of novel traits Genomic diversity in nonequilibrium populations Green computational technologies for evolutionary analysis Impact of introgressive hybridization on tropical diversification Marine Evo-Devo: new frontiers from emerging marine model systems Novel insights regarding genome architecture evolution in arthropods Paleo- and macro- ecology in tropical Asia The evolution of invertebrate sensory ecology and behaviors The genomics of adaptation and speciation Virus evolution: from basic research to public health applications Why sex? Insights from asexual genomes Open Category

Carol Eunmi LEE, Ph.D. Professor

Department of Integrative Biology 430 Lincoln Drive, Birge Hall University of Wisconsin Madison, WI 53706 carollee@wisc.edu

http://carollee.labs.wisc.edu

Carol Eunmi LEE <carollee@wisc.edu>

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NatlUSingapore AsiaEvol Dec16-18 2

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http://carollee.labs.wisc.edu Carol Eunmi LEE <carollee@wisc.edu>

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NatlUSingapore InvertSensoryEvol AsiaEvo Dec16-18

Dear Colleagues,

We would like to invite you to submit an abstract for our symposium 'Evolution of invertebrate sensory ecology and behaviors' which will be part of the 3rd AsiaEvo conference at the National University of Singapore, December 16-18, 2023. Information about the conference can be found here: https://phylorf.org/ Abstract: Invertebrates have evolved a variety of sensory systems allowing them to thrive in diverse ecological niches. The evolution of sensory systems has been affected by a range of selective pressures, including predation, mating, habitat selection, to name a few, which has in turn shaped the evolution of behaviour under various environmental contexts. This symposium will explore the evolution of sensory ecology in invertebrates, with a focus on the behaviours, their mechanisms and the ecological context that have shaped these systems. All the sensory modalities and species will be considered. We also welcome research that explores the impact of anthropogenic environmental disruption on the evolution of sensory systems, and the potential for these changes to alter ecological interactions and thus, drive speciation.

Please, submit your abstract here: https://phylorf.org/-abstract-submission/ Submission deadline: 1st of October 2023

Regards,

Emilie Dion and Aswathy Nair Butterfly Lab National University of Singapore Biological Sciences https:/-/lepdata.org/monteiro/ https://linktr.ee/emiliedion "Dion, Emilie Julie Pauline" <emilie.dion@u.nus.edu>

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Online ESEB STN Speciation Oct-3

Dear colleagues,

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 03 October 2023, 5 pm CET.

The upcoming session addresses the topic of "Paleontological views of micro and macroevolution". We welcome speakers Josef Uyeda (Virginia Tech, USA) and Michael Landis (WUSTL, USA).

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/68558254391 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 on this front 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. In order to maximise the geographic diversity of attendees, we will alternate between two time slots every other month: 5 pm CET and 9 am CET. Please help us to circulate this email to 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. People who wish to automatically receive the programme and other news from the IOS network can sign up to the network mailing list from 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 MicrobialEvolution Jan9-11

Dear evoldir community,

We are very excited to announce that abstract submission and registration are now open for MEEhubs2024 < https://meehubs.org/ > on Jan 9 - 11, 2024!

MEEhubs is a hub-based microbial ecology and evolution conference that connects six live hubs < https://virtual.oxfordabstracts.com/#/event/4373/information?page=17 > across the world in the USA, Mexico, and Europe. We are very much looking forward to this hybrid event with its focus on scientific exchange and networking while exploring a new format of conferencing that puts less pressure on the planet and is more inclusive to the wider scientific community < https://virtual.oxfordabstracts.com/#/event/4373/information?page95 >.

Submit your abstract to share your work at your nearest hub or virtually; register to listen to great science < https://virtual.oxfordabstracts.com/#/event/4373/information?page96 > and connect with old and new science friends locally and across the world. Note that virtual only participation is also possible and we encourage local 'watch parties' for those who cannot or do not want to travel to one of the hubs.

We are delighted to offer registration to this conference free of charge thanks to our main sponsor NCCR Microbiomes < https://nccr-microbiomes.ch/ >!

Submit your abstract < https://-auth.oxfordabstracts.com/?redirect=/stages/5822/-submitter > before Sept 29, 2023.

Register < https://register.oxfordabstracts.com/event/-4373?previewÃ¤lse > before November 24, 2023.

For more information, please visit our website: https://-meehubs.org Follow us on Twitter for updates: @MEEhubs < https://twitter.com/MEEhubs/ >

We are looking forward to meeting you at one of the hubs or seeing you, once again, virtually.

The MEEhubs2024 organising committee:

Erik Bakkeren (University of Oxford, UK), Ayari Fuentes-Hernandez (UNAM, Mexico), Elisa Granato (University of Oxford, UK), Ellie Harrison (Sheffield University, UK), Sergey Kryazhimiskiy (UC San Diego, USA), Sara Mitri (University of Lausanne, Switzerland), Wolfram Moebius (Exeter University, UK), Babak Momeni (Boston College, USA), Maria Rebolleda-Gomez (UC Irvine, USA), Nic Vega (Emory University, USA), Xuedan (Holly) Wang (University of Oxford, UK)

Sara Mitri <sara.mitri@unil.ch>

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Online PlantBioticInteractions Sep27

Hi all,

A reminder that the first seminar of the CIGENE Autumn series 2023 takes place this Wednesday 27th September, 12:00-12:40.

Speaker: Hernï¿½n A. Burbano, Associate Professor, University College London, UK

Title: Plant biotic interactions combining present-day and historical samples

Abstract: In this talk, I will delve into the realm of plant-pathogen coevolution by integrating present-day and historical samples to examine the interactions between crop and wild plants and their fungal and bacterial pathogens. Furthermore, I will explore the role of bacteriophages in shaping inter-bacterial competition and influencing the outcomes of bacterial infections in metapopulations of historical and modern plant pathogens. To shed light on the multifaceted nature of these interactions, I will

contrast the results of plant-pathogen relationships in cultivated crops with those found in natural ecosystems.

Zoom link: https://nmbu.zoom.us/j/67064421833 Hope to see you there. More information on upcoming talks in the Autumn series is available on the CIGENE website < https://cigene.no/cigene-seminar-series/ >.

Best regards,

Junsoung Kwak

Junsoung Kwak <junsoung.kwak@nmbu.no>

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Online SORTEE Oct17-18

We are one month away from the conference. Do not forget to register and win a T-shirt!

Dear Colleague,

We are less than one month away from the third conference of the Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology (SORTEE). The conference will be held virtually from 17 October 0700 UTC to 18 October 0830 UTC, and will run continuously in order to cover all time zones.

To register, please go here. The conference is free for SORTEE members (and we are very accommodating, so please

check out all the different payment options!)

T-shirt lottery! If you register for the conference before the 25th of September you will be eligible to win one SORTEE t-shirt (5 to win in total)! And there is more! If you recommend a friend/colleague to register for the conference before the 25th of September, they can then fill in this form and you will both have one more chance to win a t-shirt!

Schedule available here! You can access the events' details and convert the program to your local time zone.

The conference will showcase:

Unconferences: Facilitated discussions of ideas for how to make ecology, evolutionary biology, and related disciplines more open, reliable, and transparent. Facilitation involves moderating the conversation with ideas and examples, but there are no formal presentations.Hackathons: Group projects with well-defined goals (papers, techniques, software, protocols, organizations, etc.).Workshops: Facilitators will teach tools for implementing open, reliable, and transparent research practices.

If you have any questions about the conference do not hesitate to contact us at conf.sortee@gmail.com

We hope to see you in October.

Sincerely, The SORTEE Conference Committee

Disclaimer: We use flodesk to manage our emails. This email service collects analytical data on how people handle the emails we send. We value transparency on everything we do, and unfortunately there is no way to opt-out of this system.

2355 State St Ste 101

Salem, OR 97301-4541, USA

conf.sortee@gmail.com

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Online YoungSystematistsForum Nov10

25th YOUNG SYSTEMATISTS' FORUM

Friday 10th November 2023, 9:30 am GMT

ZOOM Online

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/events/ysf/ 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.

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.

Abstracts must be submitted by e-mail in English and in Word format no later than Saturday 14 October 2023. The body text should not exceed 150 words in length. Title, authors, and their professional affiliations/addresses should be included with the abstracts.If the presentation is co-authored, the actual speaker must be clearly indicated in BOLD text. The file should be in editable format (.doc or .odt, not pdf) and titled Surname_First-name_YSF2023.doc, for example Doe_Jane_YSF2023.doc.

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.We welcome postdocs to present at our postdoc session planned for the Systematics Association Biennial next summer in Reading, UK (https://systass.org/events/biennial/).

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).

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 2023 Organising Team: Ellinor Michel, Ana Serra Silva, Kalman Konyves, Peter Mulhair, Katie Collins, PabloMuñoz-Rodrguez

With additional sponsorship from: The Natural History Museum, London, Kew Botanical Gardens, CRC Press

Ellinor Michel <e.michel@nhm.ac.uk>

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Prague Biogeography Juan7-11

Dear Colleagues,

11th International Biogeography Society conference You are all invited to submit your presentations for the 11th International Biogeography Society biennial meeting which will be held between January 7 and 11, 2024 in Prague, Czechia. The deadline for abstract submission and early bird registration is October 15, 2023. More information can be obtained here:https://-/www.biogeography.org/prague2024_home/ IBS Dissertation award If you recently (between now and 2020) completed your PhD dissertation with significant contribution to the knowledge of biogeography, you are encouraged to apply for the IBS Dissertation award. To read more about this and apply, visit: https://www.biogeography.org/news/news/2023-ibs-doctoral-dissertation-award/ The winner will receive an official award and will be invited to give a presentation during the conference in Prague. Please share with your colleagues, former PhD students, and postdocs.

–

Israel Borokini, Ph.D. Assistant Professor,Department of Ecology, Montana State University - Bozeman, Office: 117 A.J.M. Johnson Hall, Bozeman MT 59717.

Tel: (406) 994-5670

David H Smith Conservation Research Fellowship & Postdoctoral Scholar, University of California Berkeley (2021-2023) Board member, Public Library of Science (PLoS) Associate Editor, Conservation Science and Practice Associate Editor, Economic Botany Board Member, International Biogeography Society

Personal website: https://tbisrael.wixsite.com/-website Google Scholar: https://scholar.google.com/-citations?user=zvXrKpUAAAAJ&hl=en Israel Borokini <iborokini@berkeley.edu>

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Singapore AsiaEvo Dec16-18

Dear Colleague,

We would like to invite you to submit an abstract for our symposium 'Genomic diversity in nonequilibrium populations' which will be held as part of the 3rd AsiaEvo conference at the National University of Singapore from December 16-18, 2023.

Contrary to the assumption in most empirical and theoretical studies, natural populations are not in equilibrium. An understanding of genetic diversity in such populations is essential to assess the evolutionary forces shaping the population trajectories and inferring population-genetic parameters. In this symposium, we invite a discussion of genetic variation in nonequilibrium populations using computational, theoretical and experimental methods, and empirical applications to population genomic data.

Our invited speakers include: Daniel Balick, Harvard Medical School Christian Huber, Penn State Univ Joanna Masel, Univ of Arizona

The abstracts can be submitted here: https://-phylorf.org/abstract-submission/ Submission deadline: September 15, 2023

Regards, Kavita Jain (JNCASR, India) and Parul Johri (Univ of North Carolina, USA)

jain@jncasr.ac.in

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SSE IntlSymposiaForMandarinSpeakers Nov11

The Society for the Study of Evolution (SSE) is pleased to announce the call for speakers for the International Symposium for Mandarin Speakers in East and Southeast Asia on November 11, 2023. SSE invites Mandarin-speaking evolutionary biologists of all career stages in East and Southeast Asia to apply to share their research in this free, virtual event.

Instructions for how to apply can be found here: http:/-/www.evolutionsociety.org/international-symposia-series/third-international-symposium-for-mandarin-speakers-in-east-and-southeast-asia.html Deadline to apply: September 29, 2023

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*Kati Moore*she/her *Communications Manager* *Society for the Study of Evolution* communications@evolutionsociety.org www.evolutionsociety.org SSE Communications <communications@evolutionsociety.org>

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

UStAndrews Scotland PopGroup Jan8-10

The UK Population Genetic Group #57 is now open for registration.

The Population Genetics Group (or 'Pop Group') is an annual meeting of population and evolutionary geneticists held in the UK since 1968. The meetings have been influential in promoting population and evolutionary genetics in the UK and elsewhere. The 57th Pop Group meeting will be held in University of St Andrews, Scotland from 8-10 January 2024. This will follow the usual practise of being a relaxed and fun meeting, mainly featuring talks from ECRs. Everyone is welcome.

Please see our web site: https://-www.populationgeneticsgroup.org.uk/ The deadline for registration and abstract offers is 10th December.

We look forward to welcoming both familiar and new faces in St Andrews in January.

Enquiries can be sent to PopGroup57@st-andrews.ac.uk

The PopGroup57 organising committee.

Population Genetics Group 57 <PopGroup57@st-andrews.ac.uk>

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GradStudentPositions

AuburnU EvolutionaryEcol

PhD Opportunities in Evolutionary Ecology The Bassar lab at Auburn University is inviting applications for PhD students interested in evolutionary ecology starting in fall 2024. Members of the lab address diverse topics in evolutionary ecology including eco-evolutionary feedbacks and their role life history evolution, the evolution of species coexistence, and host-parasite interactions. We address these questions in a diversity of ways, including the development of theory and empirical research. Most of the empirical research involves studies of fish communities (guppies and killifish) on the Caribbean Island of Trinidad. Both fish species are amenable to experiments in the lab, in seminatural artificial streams, and natural populations. Students working on their dissertation research have access to each of these facilities and to a long-term experimental evolution study of guppies in Trinidad run by my collaborators and me.

Please visit my webpage (https://ronbassar.squarespace.com/) for more information about the lab group and The Guppy Project page (https://theguppyproject.weebly.com/) for more information about the long-term experimental research in Trinidad.

The Biological Sciences Department at Auburn is a growing group researchers interested in a diversity of questions. Graduate students in the department receive guaranteed funding for 5 years, typically in the form of Teaching Assistantships. I also have funding for several Research Assistantships.

Prospective students should email Ron Bassar at rdb0057@auburn.edu. Please include a cover letter describing your research interests, future goals, and how doing a PhD in the group will help you to achieve those goals. Please also include a CV and contact information for two references.

Ron Bassar Assistant Professor Department of Biological Sciences Auburn University

Personal Webpage: www.ronbassar.squarespace.com Guppy Project Webpage: www.theguppyproject.weebly.com Ronald Bassar <rdb0057@auburn.edu>

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Basel Switzerland ViralPhylogenetics

The newly established group Epidemiology and Virus Evolution (EVE) led by Dr. Emma Hodcroft is currently looking for a PhD student in the evolution and phylogenetics of endemic respiratory viruses.

The EVE Group is searching for an enthusiastic PhD student with an interest in viruses, evolution, phylogenetics, and programming. You will use the Nextstrain toolchain to develop new phylogenetic resources for EVs, analyze regional and global transmission patterns, investigate patterns in demographics, and characterize genetic evidence of natural selection. The project is ideal for someone interested in expanding their computational and programmatic skills in a biological field. The details and scope of the project can be adapted to the interests and expertise of the successful applicant. Research will focus on Enteroviruses and their evolution and interaction with human immunity. Please note the EVE Group is entirely computational and does not have wet-lab space.

For more details and to apply, please see: https://jobs.swisstph.ch/Vacancies/927/Description/2 The Swiss Institute of Tropical and Public Health (Swiss TPH) is part of the University of Basel and is located on the edge of Basel in Allschwil, Switzerland. Basel is a truly international city with numerous festivals, 40 museums, and a beautiful, swimmable river. Quality of life in Switzerland is consistently ranked as one of the highest in the world.

Emma Hodcroft <emma.hodcroft@unibas.ch>

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BielefeldU EvolutionaryGenetics

Bielefeld University - The Faculty of Biology, Department of Evolutionary Biology, has the following job opening:

Research Position (PhD candidate) in Evolutionary Genetics ID: Wiss23571 - Start: as soon as possible - part-time 65 % - salary according to remuneration level 13 TV-L - fixed-term

The PhD position is part of the "Freigeist" research project "Plasticity-led evolution in the phenotype of a freshwater snail: from the epigenome to genetic change" funded by the Volkswagen-Stiftung. Phenotypic plasticity allows organisms short-term adaptation to environmental changes. The epigenetic mechanisms underlying this ability might influence the genome in the long-term. This hypothesis is intended to be tested, using experimental evolution in the freshwater gastropod Physella acuta which is a simultaneous hermaphrodite. The aim is to track phenotypes, epigenotypes and genotypes over many generations to gain a better understanding regarding the role of plasticity in the evolutionary process.

Your Tasks research tasks (95 %): - experimental work with freshwater gastropods - preparation of epigenetic and genetic libraries - analysis of epigenetic and genetic data - collaboration with other researchers - preparation of contributions for scientific conferences - writing scientific publications for international journals

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

The employment is designed to encourage further academic qualification.

We offer - salary according to Remuneration level 13 TV-L - fixed-term (3 years) (ç 2 (1) sentence 1 of the WissZeitVG; in accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases)

- part-time 65 % - internal and external training opportunities - variety of health, consulting and prevention services - reconcilability of family and work - flexible working hours - job ticket for regional public transport network - supplementary company pension - collegial working environment - open and pleasant working atmosphere - exciting, varied tasks

Your Profile

We expect - completed scientific university degree (e. g. Master of Science or equivalent) in evolutionary ecology, genetics, epigenetics, bioinformatics or any related field

- experience in experimental work with living animals - proven skills in the preparation of genetic and epigenetic libraries as well as in the bioinformatic analysis of epigenetic (ATAC-Seq) and genetic (ddRAD-Seq, whole-genome sequencing) data or high motivation to rapidly acquire such skills

- excellent oral and written English language skills - independent, self-reliant and dedicated style of work - strong organizational and coordination skills - ability to cooperate and work in a team

Preferred experience and skills - experience in preparing scientific publications - experience with R - experience with antipredator phenotypic plasticity - experience in working with gastropods or with the model species Physella acuta

Application Procedure

We are looking forward to receiving your application. To apply, please use the following link: https://jobs.uni-bielefeld.de/job/apply/2809/-research-position-phd-candidate?page_lang=en application deadline: 18.10.2023

Contact Dr. Denis Meuthen denis.meuthen@uni-bielefeld.de

Postal Address Universität Bielefeld Faculty of Biology Dr. Denis Meuthen Postfach 10 01 31 33501 Bielefeld

Denis Meuthen <denis.meuthen@uni-bielefeld.de>

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CharlesDarwinU InsectVectorEvolution

PhD opportunity - Understanding gene flow and population structure in an animal disease insect vector

Charles Darwin University (CDU), Darwin, Australia is offering a 3 year PhD scholarship valued at $46,000 AUD per annum for a PhD candidate to undertake an exciting project applying cutting edge genomics and bioinformatics tools and epidemiological modelling to understand gene flow and population structure in an animal disease insect vector in northern Australia and

South-east Asia.

About the project: Culicoides biting midges, are important disease vectors for a range of viruses, bacteria and nematodes with the potential to introduce exotic animal diseases into Australia. The proposed project will apply genomic methods to understand population structure and gene flow in Culicoides midges across northern Australia and South-east Asia. The project will also analyse blood meal from populations using metabarcoding to obtain information on diet and host range. The project will provide crucial data for modelling dispersal of Culicoides midges in northern Australia and identify sampling approaches for future surveillance efforts.

Research environment: The National Industry PhD Program is an Australian Government initiative that connects PhD students with industry partners, to undertake a research project that addresses a sector-specific problem. The PhD candidate will be based at the new Research Institute of Northern Agriculture (RINA) at the CDU Casuarina campus but will also spend up to 50% of their candidature with the industry partner working in an animal biosecurity diagnostic and research laboratory. RINA is a new CDU initiative to help northern Australia realise its potential as a food production heartland in the Asia Pacific region. Northern Australia is recognised as a high-risk zone for the introduction of exotic pests and pathogens, due to its vastness, remoteness and high vulnerability. The Tropical Biosecurity Group provides research to support a science-based approach to prepare, respond and manage pests, diseases and weeds with a focus on the development and implementation of genomic tools for improving biosecurity and biodiversity outcomes.

Scholarship and financial support: A National Industry PhD Scholarship valued at $46,000 per annum, for a maximum of 3 years from commencement, is open to Australian citizens/residents or New Zealand citizens. International applicants are also welcomed to submit an expression of interest. If suitable, the student will be invited to apply for the International Research Training Program Scholarship scheme, and a tuition fee waiver scholarship.

Who are we looking for:

* First-class Honours or a Masters degree containing a substantial research component in a relevant field such as genomics, molecular biology or bioinformatics. * Interest in pursuing a career in biosecurity diagnostics and research. * Be willing to live and work in Darwin

Benefits to you:

* Generous stipend and support for project costs. * Develop highly desirable skills and knowledge for a career pathway in biosecurity. * Integral part of a multidisciplinary research team providing ample opportunity for professional development as well as career progression following completion of the PhD. * Access to Student Support Services and Wellbeing Support Program. * Work with a University committed to changing people's lives for the better through training, education and research.

Essential selection criteria:

* An Australian citizen or permanent resident, or a New Zealand citizen. International applicants are also welcomed to submit an expression of interest. If suitable, the student will be invited to apply for the International Research Training Program Scholarship scheme, and a tuition fee waiver scholarship * First-class Honours or a Masters degree containing a substantial research component in a relevant field such as genomics, molecular biology or bioinformatics * Publications, e.g. research reports, journal publications are highly desirable

How to apply:

* Interested applicants should contact Dr Maxine Piggott by email at maxine.piggott@cdu.edu.au to submit an expression of interest, attaching a CV including details of 2 academic referees and a brief statement describing your background, research experience and interest in this research project.

Deadline for applications: 20/9/23

Commencement date: ASAP

Principal supervisor: Dr Maxine Piggott, Professor of Tropical Biosecurity, RINA, Faculty of Science and Technology. Contact maxine.piggott@cdu.edu.au or (08) 89466763

Maxine Piggott <maxine.piggott@cdu.edu.au>

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CharlesU WildlifeConservation

Three-year PhD position within a prestigious EU-funded MSCA doctoral network BioAcAi (Bioacoustic AI for wildlife protection):

YELLOWHAMMER: Individual acoustic monitoring to study song culture evolution within and between dialect areas

PhD position offers: - gross monthly salary ca 1980 EUR

(incl. mandatory health and social insurance) - extra allowance for relocation, and for family/special needs if required - close collaboration with artificial intelligence and biodiversity experts from several European countries (Netherlands, Germany, France, Belgium, Czechia, Finland, UK)

The PhD project is based at the Department of Ecology, Charles University, Prague. The study should start in March 2024.

To apply, please submit *(1) a letter of motivation, (2) your academic CV, (3) the names and contact details of two references.

Submit these as a single PDF document to: tereza.petruskova@natur.cuni.cz

The application deadline is October 30, 2023.

For more information, see:

https://www.natur.cuni.cz/biology/ecology/research/-ongoing-projects/bioacoustic-research-group/phd-position-announcement https://www.natur.cuni.cz/-biology/ecology/research/ongoing-projects/-bioacoustic-research-group https://bioacousticai.eu/
Javier Oñate Casado <javiatocha@gmail.com>

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CityUNewYork EvolutionaryBiology

The Calamari lab at the City University of New York (CUNY) seeks applicants for a PhD position to study the intersection between gene expression and regulation and anatomical variation in fossil and living animals. United by our focus on changes in gene expression and regulation during development, geometric morphometrics, and phylogenetic comparative methods, the successful applicant will join our ongoing efforts to understand the evolution of new morphology, especially horns, antlers, and other bony cranial outgrowths in even-toed hoofed mammals (cattle, antelopes, deer, giraffes, etc.).

The Calamari lab is located at Baruch College in Manhattan and works extensively with the facilities at the American Museum of Natural History (AMNH). The graduate student will have ample opportunities to join Calamari lab collaborations on a variety of morphological and genomics topics.

The ideal candidate will have some experience in programming related to bioinformatics (in particular single-cell/single-nucleus sequencing, high-throughput RNA sequencing, or ATAC sequencing) and wet lab experience in preparing histological slides of soft tissues and bone. Qualified applicants with backgrounds in biology, paleontology, or other related fields are welcome.

Potential applicants should contact Zachary Calamari (zachary.calamari@baruch.cuny.edu) with a description of their experience, research interests, and CV. The successful applicant will be enrolled full time at the CUNY Graduate Center in the Ecology, Evolutionary Biology, and Behavior subprogram of the Department of Biology. Applications to the CUNY Graduate Center to start in the Fall 2024 semester are due January 1, 2024. More information about applying to the program can be found here: https://www.gc.cuny.edu/Prospective-Current-Students/Prospective-Students/Admissions . The Calamari lab and CUNY are inclusive research communities; students from backgrounds underrepresented in STEM are strongly encouraged to apply.

Zachary Calamari, PhD Assistant Professor Department of Natural Sciences PhD Program in Biology Baruch College and the Graduate Center, CUNY Pronouns: he, him

Zachary Calamari <Zachary.Calamari@baruch.cuny.edu>

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ConcordiaU EvolutionCooperation

ConcordiaU Montreal Canada Evolutionary Mechanisms of Cooperation

A PhD (or MSc) research position is available in Prof. Robert Weladji's lab in Montreal, Quebec, Canada starting on January 2024.

Project description:

The aim of the project is to test key predictions of evolutionary explanations of cooperation and their interactions using female Norway rats living in semi-natural colonies as a model system. This research will involve using video recording of food donations and affiliative and agonistic interactions (cooperation, altruism, decision rules of cooperation, kin selection, reciprocity, enforcement). This project may involve working in the University of Gottingen (Germany).

Qualifications:

Suitable candidates will have an MSc (or BSc) in Biology or a similarly recognized degree. The ideal candidate must have: Very strong quantitative skills (statistics) - Be determined to complete a PhD degree - Have a good academic background (good GPA). The candidate should be ready to work in Canada and in Germany, and to work with a team.

I am particularly interested in candidate with some experience or background in the Evolution of Social Behaviour/Cooperation (or willing to invest in it).

Financial support is available for 4 years (PhD) or 2 years (MSc), but if eligible, candidates will be encouraged to apply for external grants (FQRNT and NSERC).

Application:

If interested, send me by email (robert.weladji@concordia.ca) before August 31st, 2023: a copy of your CV, transcript and a short statement of purpose, as well as the name and email addresses of 2 references.

Robert Weladji Department of biology Concordia University robert.weladji@concordia.ca www.robertweladji.com

Message en français

Un poste de doctorat (ou Maitrise) en écologie est disponible dans mon laboratoire, débutant en Janvier 2024.

Description du projet:

L'objectif du projet est de tester certaines prédictions clés des explications évolutionnaires de la coopération et leurs interactions en utilisant des rats de Norvége femelles vivant dans des colonies semi-naturelles comme systéme modéle. Cette recherche impliquera l'utilisation d'enregistrements vidéo de dons de nourriture et d'interactions affiliatives et agonistiques (coopération, altruisme, régles de décisions, sélection de parentéle, réciprocité, la contrainte). Ce projet implique également de travailler Ã— l'Université de Gottingen, en Allemagne.

Qualifications:

Le candidat idéal doit posséder: Trés bonnes compétences quantitatives (analyses statistiques) - Expérience dans le domaine de la recherche sur le terrain - ÃÂtre déterminé Ã— obtenir un doctorat - Avoir une bonne formation académique (bonne moyenne cumulative). Le candidat doit ÃÂtre prÃÂt Ã— travailler au Canada et en Allemagne et Ã— travailler en équipe.

Je suis particuliérement intéressé par les candidats ayant une expérience avec l'évolution des comportement sociaux / la coopération (ou prÃÂt Ã— s'y investir).

Une bourse est disponible pour 4 ans (PhD) ou 2 ans (MSc), mais la personne recrutée sera encouragée Ã— poser sa candidature pour obtenir des financements complémentaires (FQRNT et NSERC).

Application:

Si vous ÃÂtes intéressé, veuillez faire parvenir par courriel idéalement (robert.weladji@concordia.ca) d'ici le 31 aout 2023: votre CV, un relevé de notes et une lettre de motivation, ainsi que le nom et l'adresse électronique de 2 personnes pouvant fournir des références.

Contact me for details / Me contacter pour plus de détails Robert Weladji Department of biology Concordia university robert.weladji@concordia www.robertweladji.com Sacha C. Engelhardt, Ph.D. Postdoctoral researcher Sociobiology/Anthropology Johann-Friedrich-Blumenbach Institute for Zoology und Anthropology University of Gottingen Kellnerweg 6 37077 Gottingen Germany +49 551 39 27358

"Engelhardt, Sacha Christoph" <sacha.engelhardt@uni-goettingen.de>

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Czechia
EvolutionPigmentsMicroalgae

PhD student in Evolution of pigment biosynthesis in microalgae

Algal Evolution and Ecology group at Centre Algatech, Institute of Microbiology Trebon (Czech Republic) is led by Jan Janouskovec and Eva Horakova. We study evolution, ecology, and molecular biology of microalgae and heterotrophic protists (PNAS 114:E171-E180; Curr Biol 27(23), eLife 8:e49662; Nat Commun 13:7075).

We are looking for a Ph.D. student with a background in molecular biology for a project on microalgal photosynthesis. The project aims to understand the evolution and biogenesis of chlorophylls and carotenoids, and to use this knowledge to explore pigment synthesis in vitro. The work will focus on model phototrophs Synechocystis, Chlamydomonas and Phaeodactylum. The degree will be conferred by the University of South Bohemia.

We seek candidates with: - a Master's degree in molecular biology or related field: experience with cloning, cell transformation, nucleic acid and protein analysis and basic biochemistry is an advantage. - independent

thinking, motivation and strong communication skills. - a record of independent contribution to research ideally publications in peer-reviewed journals.

We offer: - strong, individual mentorship. - opportunities to network, work abroad and present data at regional and/or international meetings. - a 4-year Ph.D. stipend with full health and dental insurance coverage. - International work environment and collaboration with universities in the EU and UK.

Centre Algatech hosts several internationally recognized groups in microbiology research with a high proportion of foreign researchers and a friendly, collegial atmosphere, and English as working language. We have been funded by prestigious awards (ERC, EXPRO), have outstanding facilities for molecular biology and biochemistry research and have strong ties with the University of South Bohemia and the Czech Academy of Sciences.

Department of Molecular Biology and Genetics was established in 2016 at the University of South Bohemia in Ceske Budejovice. Research activities are focused on functional analysis of genes using various model organisms. Ph.D. students are trained in modern methods of molecular genetics, including mutagenesis, transgenesis, and cell culture techniques. The department is closely associated with the Czech Academy of Sciences and offers a Ph.D. programme in Integrative Biology.

To apply: Please send a single PDF document in English containing the following information to Eva Horakova (horakova@alga.cz) by October 31, 2023. However applications will be reviewed until December 31, 2023, if no candidate has been selected. The programme start date is flexible but preferred in January 2024.

- Motivation letter detailing your fit for the position (max.1 page) - Curriculum vitae with a complete list of peer-reviewed publications (max.2 pages) - Contact information for 2 academic referees (please do not include letters with the application)

Jan JanouÂkovec <janjan.cz@gmail.com>

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EEBMentorMatch Online

The Diversity Committee at American Society of Naturalists (https://www.amnat.org/about/governance/-Diversity.html) is happy to announce the 2023 edition of the EEB Mentor Match:

https://eebmentormatch.com/ The program provides support to grad school applicants in the US with their applications for fellowships and grad programs. Signup forms for both mentors and mentees can be found at the link above. Mentors and mentees are matched based on their research interests and backgrounds. More information can be found on our FAQ section:

https://eebmentormatch.com/faq-2/ The program is volunteer based and is really valuable to the students applying, so please consider signing up as a mentor if you have experience with the US grad school system. Also, please spread the word to both potential mentors and mentees. We are happy to answer any questions, so feel free to contact me (ravi.ranjan@hifmb.de) if you have any.

On behalf of the ASN DC, Ravi Ranjan Helmholtz Institute of Functional Marine Biodiversity Oldenburg, Germany

Ravi Ranjan <ravi.ranjan@hifmb.de>

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FlindersU Three PopulationGenomics

Reminder: *Apply by 1 October 2023*

3 PhD top-up scholarships in Conservation, Ecological and Fisheries Genomics in Australia

We are looking for bright candidates for three PhD positions available in 2024 as part of the projects: - Conservation genomics of fragmented and declining vertebrate populations - Adaptive resilience to climate change - Fisheries genomics: connectivity and adaptation of aquatic resources

Competitive applicants will have interests in ecology, evolution, natural history, and genomics. They will hold a MSc or a 1st Class Honors.

They will be join a leading and supportive team of biologists, work directly with industry partners, and be based in the leafy surrounds of the Flinders University campus, in Adelaide.

Our team applies advanced knowledge from genomics and environmental sciences to address problems faced by conservation managers, the fisheries sector and other end-users, and to stimulate public and government interest about the importance of managing and conserving biodiversity. Our lab's alumni have secured competitive academic and research government positions in the six inhabited continents.

Stipend: AUD$43,000 pa tax free (Aust Gov stipend + project top-up) Application deadline: 1 October 2023 (flexible PhD starting dates)

Information about eligibility and selection criteria for DOMESTIC applicants: https://www.flinders.edu.au/-scholarships/australian-government-research-training-program-scholarship-domestic Our lab website: https://molecularecology.flinders.edu.au/ Contact for project details and other information: Luciano.Beheregaray@flinders.edu.au

Luciano Beheregaray Matthew Flinders Professor of Biodiversity Genomics Research Section Lead of Ecology, Evolution and Environment Head, Molecular Ecology Lab Flinders University Bedford Park SA 5042, Australia P: +61 8 8201 5243 List of Publications Lab Facebook Page Staff Profile Page

E: Luciano.Beheregaray@flinders.edu.au

luciano.beheregaray@flinders.edu.au

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GeorgeWashingtonU EvolutionaryBiology

The Zhang Lab (visit https://zhanglabgwu.weebly.com/ for more information) is currently seeking a highly motivated PhD student to join our team in the Department of Biological Sciences at George Washington University, with the expected start date in the fall of 2024. The deadline for application is December 1 st, 2023.

The Zhang lab focuses on understanding two fundamental evolutionary processes: adaptation and speciation. To address these questions, we mainly study herbivore insects that specialized on a few host plants including gall-forming insects and *Lycaeides* butterflies. Interdisciplinary approaches are adopted including field surveys, natural history, behavior observation, manipulative experiments, simulations, and genomic techniques.

The successful applicant has the chance to develop their own projects that are within PI's realm of interests in evolutionary biology. Experience in field work, programming language (e.g. R, python, unix), molecular biology skills (DNA-based lab work), and quantitative analysis are strongly preferred. This position is guaranteed for five years of funding including summer stipends. It consists of two years of TA and three years of fellowship.

Detailed application documents can be found here (http://bulletin.gwu.edu/arts-sciences/biological-sciences/phd/#admissionstext).

Prior to applying to the department of Biological Science at GWU, please contact Dr. Zhang at linyi.zhang@gwu.edu. In the email, please include (1) CV, (2) an unofficial transcript (3) a brief statement describing your research interests, relevant research experience, and motivation for joining the lab.

Linyi Zhang

Department of Biological Science

George Washington University

Linyi Zhang <linyizhangecnu@gmail.com>

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GriffithU Australia AncientDNA

Scholarship/Project name Deep time extinctions informed by DNA in Australian underwater caves

The opportunity We are currently looking for a PhD candidate to join our research team in the examination of cave sediments in Australia using ancient and environmental DNA (aDNA) techniques. The primary focus of this role is to reconstruct whole Australian fossil ecosystems using widescale genetic investigations of sediment and water samples from the unique submerged Mt Gambier cave deposits. The underwater deposits of Mt Gambier fill a critical gap in cave palaeontology and preserve exquisite specimens of megafauna species including the rare Propleopus, a giant carnivorous kangaroo, the giant short-faced kangaroos Simosthenurus, and the marsupial tapir Palorchestes. There is potentially ˜95,000 years of critical information locked in the Mt Gambier caves, in the form of ancient environmental DNA as well as cave sediments in conditions beneficial for the preservation of ancient DNA, that can shed light on the dramatic biodiversity loss that occurred during the Pleistocene and the factors that drove this change. Success in this role requires collaboration with interdisciplinary experts in archaeology, genetics, and palaeoecology, as well as with Indigenous communities to ensure the ethical and respectful use of cultural heritage materials.

About us

This project will be undertaken through the Australian Research Centre for Human Evolution (ARCHE), with cross supervision from the Griffith Centre for Social and Cultural Research (GCSCR). ARCHE is a world leader in research and education on all aspects of human evolutionary studies. We provide a dynamic and cooperative research environment that seeks to understand how humans and their societies across the globe evolved over time. We emphasise the study of the biological and cultural evolution of humans and our place in the natural world, with a growing focus on Indigenous peoples of Australia, Asia, and the Pacific. Dr Mark de Bruyn and A/Prof Julien Louys are based in ARCHE and together have a wealth of experience in studying past environmental change, human-faunal interactions through time, and the use of DNA to examine biological questions. Dr Yinika Perston is based in GCSCR and is a member of ARCHE with extensive experience on archaeology and past cultures.

This position will be held at Griffith University Nathan Campus

About you The selection of applicants for the award of higher degree research scholarships at Griffith University involves consideration of your academic merit and research background. To be successful in a research project on sedaDNA and cave palaeontology, you will be able to demonstrate a strong foundation in genetics and molecular biology, as well as familiarity with ecology, archaeology/palaeontology, and biogeography. You will have evidence of a passion for biodiversity conservation and a desire to understand why and how biological communities have changed through time. You will ideally have experience in fieldwork, data collection, and analysis, as well as the ability to work independently and collaboratively with stakeholders from diverse backgrounds. Overall, a successful candidate for this research project will be highly motivated, innovative, and committed to making a positive impact on the environment.

Expressions of interest are welcome from domestic and international applicants.

Applicants must have completed, or expect to complete, a Bachelor's degree with Honours equivalent to first class honours or a Master's degree (AQF Level 9) incorporating a significant research component of a standard comparable to a bachelor honours degree or be regarded by Griffith University as having an equivalent level of attainment in accordance with Schedule One of the HDR Scholarship Policy <https://sharepointpubstor.blob.core.windows.net/-policylibrary-prod/Higher Degree Research Scholarship Policy.pdf>. For further information on the eligibility requirements for the program refer here < https://-www.griffith.edu.au/research-study/degrees >.

About the scholarship The 2023 Griffith University Postgraduate Research Scholarship has an annual stipend of $32,192 (indexed) for a period of up to three years of full-time study. Please see the GUPRS Conditions of Award < https://www.griffith.edu.au/research-study/-scholarships/guprs > for more information.

A successful International applicant will also be awarded a Griffith University International Postgraduate Research Scholarship to cover tuition fees for up to three years. Please see the GUPRS Conditions of

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GriffithU AustralianAncientDNAFeralCats

Scholarship/Project name Feral cats in the Australian Anthropocene

The opportunity We are currently looking for a PhD candidate to join our research team in the examination of feral cat distribution in Australia using ancient DNA (aDNA) techniques. The primary focus of this role is to investigate the impact of feral cats on the Australian ecosystem during the Anthropocene, the current geological age characterised by significant human impact on the planet. This project includes analysing aDNA from cat remains obtained from various archaeological and palaeontological sites across Australia to reconstruct the historical distribution and genetic diversity of feral cats. Success in this role requires collaboration with interdisciplinary experts in archaeology, genetics, and palaeoecology, as well as with Indigenous communities to ensure the ethical and respectful use of cultural heritage materials. About us

- This project will be undertaken through the Australian Research Centre for Human Evolution (ARCHE), with cross supervision from the Griffith Centre for Social and Cultural Research (GCSCR) and the Department of Archaeology, Max Planck Institute of Geoanthropology, Germany. ARCHE is a world leader in research and education on all aspects of human evolutionary studies. We provide a dynamic and cooperative research environment that seeks to understand how humans and their societies across the globe evolved over time. We emphasise the study of the biological and cultural evolution of humans and our place in the natural world, with a growing focus on Indigenous peoples of Australia, Asia, and the Pacific. A/Prof Julien Louys and Dr Mark de Bruyn are based in ARCHE and together have a wealth of experience in studying past environmental change, human-faunal interactions through time, and the use of genetic and phylogenetic data to examine evolutionary questions. Dr Tim Maloney is based in GCSCR and an affiliate member of ARCHE and has been working on the archaeology of Australia for nearly 10 years and has a keen interest in the management of feral cat species. Professor Nicole Boivin's research explores how archaeological data can inform present-day issues ranging from climate change and the Anthropocene to globalization, food security and migration.

- This position will be held at Griffith University Nathan Campus

About you The selection of applicants for the award of higher degree research scholarships at Griffith University involves consideration of your academic merit and research background. To be successful in a research project on aDNA and the impact of feral cats in Australia, you will be able to demonstrate a strong foundation in genetics and molecular biology, as well as familiarity with conservation biology, archaeology/palaeontology, and wildlife management. You will have evidence of a passion for biodiversity conservation and a desire to address the negative impact of feral cats on Australian wildlife. You will ideally have experience in fieldwork, data collection, and analysis, as well as the ability to work independently and collaboratively with stakeholders from diverse backgrounds. Overall, a successful candidate for this research project will be highly motivated, innovative, and committed to making a positive impact on the environment.

- Expressions of interest are welcome from domestic and international applicants.

- Applicants must have completed, or expect to complete, a bachelors degree with honours equivalent to first class honours or a Masters degree (AQF Level 9) incorporating a significant research component of a standard comparable to a bachelor honours degree or be regarded by Griffith University as having an equivalent level of attainment in accordance with Schedule One of the HDR Scholarship Policy <https://sharepointpubstor.blob.core.windows.net/-policylibrary-prod/Higher Degree Research Scholarship Policy.pdf>. For further information on the eligibility requirements for the program refer here < https://-www.griffith.edu.au/research-study/degrees >. Please note:

- If you would prefer candidates with specific backgrounds or experience, you should add these details in this section and list them as desired.

About the scholarship The 2023 Griffith University Postgraduate Research Scholarship has an annual stipend of $32,192 (indexed) for a period of up to three years of full-time study. Please see the GUPRS Conditions of Award < https://www.griffith.edu.au/research-study/-scholarships/guprs > for more information.

A successful International applicant will also be awarded a Griffith University International Postgraduate Research Scholarship to cover

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HelmholtzInst UGreifswald BiodiversityData

We offer a PhD position as part of a large collaborative project involving the Helmholtz Institute for One Health (HIOH) and the University of Greifswald (UG), entitled Innovative approaches for monitoring and integrating environmental and biodiversity data.

Application: https://www.helmholtz-hzi.de/en/-career/jobs/phd-theses/phd-theses/view/job/details/-doctoral-researcher-fmd-pathogen-evolution/ Deadline: October 8th, 2023

Broadly, this project aims to tackle the challenge of monitoring micro- and mesoscale heterogeneity in environmental factors and biodiversity to contribute to the implementation of a One Health framework and ultimately hopefully contributing to the improvement of human, animal, and environmental health. Evidence suggests hosts and their pathogens may persist or disappear in an area depending on a complex interplay of microclimate and local biodiversity, which can vary drastically on a scale of meters to millimeters. The project will explore a variety of techniques to develop a monitoring toolkit that can be deployed in Mecklenburg-Vorpommern and tropical Sub-Saharan Africa, with the ultimate aim of contributing to the HIOH's One Health Surveilence Core Unit (OHS).

While we plan to give the PhD candidate considerable freedom in developing the specific PhD topic, we envision a project that incorporates molecular biology and the use of environmental DNA/RNA (eDNA/eRNA) to describe vertebrate and microbial communities, as well as the deployment of a large network of automated temperature loggers that will be combined with drone and satellite data. Data generated with these approaches could be combined to ask questions about how biodiversity varies along environmental gradients and work has the potential to include a specific disease angle. We hope to harness recent advances in molecular biology and environmental monitoring to provide insights into variation in environments and communities of hosts and their microorganisms at a high resolution, to contribute to understanding factors governing community assemblages and disease risk across heterogeneous landscapes. Field work in MV could involve drained and rewetted mire habitats, including areas being developed for solar power, forests, and surrounding farmland. Field work in the Côte d'Ivoire could involve an environmental gradient from the interior of Taï National Park to surrounding villages, as well as areas being targeted for reforestation. Field work will be coordinated with the HIOH's OHS and the UG. Key partners who will help shape the PhD project at the HIOH are Drs. Sébastien Calvignac-Spencer, Jan Gogarten, Lorenzo Lagostina, and Fee Zimmermann. At the UG key partners who will help shape the PhD project are Drs. Mia Bengtsson, Mathilde Borg Dahl, Philipp Lehmann, Tim Urich, and Haitao Wang. A post doc will be hired as part of the broader project, providing further opportunities for collaboration and supervision, while logger network infrastructure, including 600 ground loggers and 2,400 tree loggers are available for deployment for the project.

Helmholtz-Zentrum für Infektionsforschung GmbH | Inhoffenstraße 7 | 38124 Braunschweig | www.helmholtz-hzi.de Vorsitzende des Aufsichtsrates: Frau MinDir'in Prof. Dr. Veronika von Messling, Bundesministerium für Bildung und Forschung Stellvertreter: MinDirig Rüdiger Eichel, Niedersächsisches Ministerium für Wissenschaft und Kultur Wissenschaftlicher Geschäftsführer: Prof. Dr. Josef Penninger - Administrativer Geschäftsführer: Christian Scherf Gesellschaft mit beschränkter Haftung (GmbH) Sitz der Gesellschaft: Braunschweig Handelsregister: Amtsgericht Braunschweig, HRB 477

Unsere Hinweise zum Datenschutz finden Sie hier: https://www.helmholtz-hzi.de/de/-service/datenschutz/ "Gogarten, Jan Frederik" <jan.gogarten@helmholtz-hioh.de>

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IllinoisStateU MammalianReproductionUrbanEvolution

MS and PhD openings are available in my research group (Javier delBarco-Trillo) in the School of Biological Sciences at Illinois State University to start in the fall of 2024. My research topics are quite diverse, including mammalian sperm competition, olfactory communication, and urban ecology/evolution. I'm happy to supervise projects in topics and organisms beyond what you can read in my website (about.illinoisstate.edu/jdelbar)

as long as the project is feasible given my expertise and available resources. I'm mostly interested in supporting self-driven, independent, and imaginative students with high proficiency in written and spoken English.

There is a formal application process, but I will be conducting a preliminary selection. Please send (jdelbar@ilstu.edu) a copy of your CV, and a one-page cover letter explaining your background, any research outcomes to date, your future research interests and expectations, and what type of research projects you would envision developing in my lab. Please include "Graduate Student Application 2024" in the email subject line. I will make an initial selection of a group of candidates that I think could be a good fit in my lab, set up short zoom conversations with those candidates in October-November, and then I will tell a subset of candidates to go ahead and submit an application. The application deadline is February 1, 2024.

All accepted applicants into our program are guaranteed Teaching Assistantships and full Tuition Waivers (you must still pay fees). This support is 6 semesters for MS and 10 semesters for PhD students provided sufficient progress and performance are maintained. There is no need to apply for these until acceptance into the program.

The application procedure including requirements is laid out here: https://biology.illinoisstate.edu/graduate/bio-as-graduate/application-procedure/. International admission requirements are here: https://illinoisstate.edu/admissions/international/requirements/ .You can find more information about the School of Biological Sciences here: https://biology.illinoisstate.edu Javier delBarco-Trillo, PhD Assistant Professor of Evolutionary Physiology School of Biological Sciences Campus Box 4120 Illinois State University Normal, IL 61790-4120

Pronouns: he, him, his email (ISU): jdelbar@ilstu.edu email (personal): delbarcotrillo@gmail.com website: about.illinoisstate.edu/jdelbar ORCID: 0000-0002-9948-6674 < https://orcid.org/0000-0002-9948-6674 > tel: +1 (309) 438 2666

Javier delBarco Trillo <delbarcotrillo@gmail.com>

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KULeuven GlobalChangeDaphniaMicrobiotaEvol

Two PhD positions on evolution to global change stressors in the water flea Daphnia magna and its gut microbiome

The Evolutionary Stress Ecology and Ecotoxicology < https://bio.kuleuven.be/eeb/rs > research group (Department of Biology, University of Leuven) is looking for two PhD candidates to study the evolution of tolerance to global change stressors. Organisms are increasingly facing multiple global change stressors, hence have to evolve tolerance not only to single but also to combined stressors. Yet, the extent to which this is possible and the underlying mechanisms remain poorly understood. The focus will be on the single and combined effects of pollution and a second stressor in the water flea Daphnia magna and the underlying role of the gut microbiota. PhD1 will focus on the single and combined effects of pollution and warming, and includes gut microbiota transplant experiments between control and stressor-adapted D. magna clones, gene expression analyses (RNAseq) and experimental evolution of gut bacteria.

PhD2 will focus on the single and combined effects of pollution and fish predation risk (both related to changes in land use in a natural landscape), and includes targeted field sampling, controlled laboratory exposure experiments, physiological assays, and gut microbiota transplant experiments between control and stressor-adapted D. magna clones.

We are looking for highly motivated students with an excellent academic record (great distinction or equivalent), a strong interest in evolutionary ecology and microbiology, and a high ability for accurate lab work. A very good command of both spoken and written English is required. Proven experimental, microbiological and bio-informatic (RNAseq, PhD1) skills are an asset, but training can be provided.

We offer a full-time job initially for a period of one year, but extendable to a total of four years pending good evaluation. Funding is available for the entire period, but we expect and give full support to apply for a scholarship.

You will be embedded in an international, enthusiastic and dynamic team lead by Prof. Robby Stoks with

ample expertise in using aquatic invertebrates and their microbiota as model systems to address key questions at the intersection of ecology and evolution (https://-bio.kuleuven.be/eeb/laeec/whoiswho/00034380). Our team has excellent experimental and culturing facilities, and well-equipped ecophysiology and microbiology laboratories. These PhD projects are structurally embedded in larger research programs on eco-evolutionary dynamics in natural multistressor landscapes, guaranteeing strong expertise and intensive collaborations throughout all steps of the PhD projects. You will be co-supervised by Dr. Janne Swaegers, Dr. Julie Verheyen and Prof. Luc De Meester (PhD1), and Prof. Ellen Decaestecker and Prof. Luc De Meester (PhD2).

Leuven is a beautiful historical university city with a very high and pleasant standard of living. Leuven is a 15-minute train ride away from Brussels International Airport and a 20-minutes train ride from Brussels itself. Brussels is one of the best-connected cities in Western Europe; Amsterdam, Paris and London are all reachable within 2 hours by train. The university, founded in 1425, has a top research and teaching standard. The KU Leuven features consistently in Europe's top-15 universities and has been elected by Reuters as most innovative university in Europe for several years in a row. PhD students will be enrolled in the Arenberg Doctoral School (https://set.kuleuven.be/phd) where they will receive training both as future scientists and as scientifically trained professionals.

Interested? Please send your 2-page CV, a 1-page letter of motivation including relevant experience, a transcript of your bachelor and master study results, and the contact information of two referents as a single PDF to Prof. Robby Stoks (robby.stoks@kuleuven.be) with the subject 'PhD_Global change Evolution_Name'. Indicate in your email which PhD topic you are most interested in. Shortlisted applicants will be interviewed. The application deadline is 22 September 2023. The starting date is 1st of December 2023 (can be negotiated).

Robby Stoks <robby.stoks@kuleuven.be>

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MississippiStateU EvolutionNfixingSymb

The Folk lab at Mississippi State University is recruiting two students at the PhD level for Fall 2024! We are looking for students interested in plant-microbe interactions and coevolution. We work broadly on projects at the intersection of plant evolution and ecology.

Recruited students will work with Ryan Folk and MSU collaborator Heather Jordan on an NSF-funded project (https://www.nsf.gov/awardsearch/-showAward?AWD_ID=2316266) on the ecology of symbioses between plants and nitrogen-fixing microbes. This is a large-scale project that focuses on modeling microbial diversity and plant interaction networks using data from field sites across North America. We will use these models to assess how environment, space, and phylogeny shape partner matchup in nitrogen-fixing symbioses. The project will involve field, wetlab, and computational components and will offer substantial opportunities for students to pursue their own research questions.

We stress interdisciplinary student training, and all of our work has strong wetlab, computational, field, and herbarium-based components. We work with students to develop their own projects in these areas or related themes, and put a stress on student ownership of the work. Additional information about us can be found at: http://www.ryanafolk.com/. Students will be supported a full 12 months through a combination of research assistantships and TA appointments; research assistantship support is anticipated to be 3 years in total per student. We are highly collaborative and aim for an inclusive environment that focuses on students' career aims and professional development goals. We particularly encourage POC and LGBTQ+ individuals to consider us for their graduate careers.

Those interested should contact me directly by email (rfolk@biology.msstate.edu) before applying with an attached CV and some information on your research interests. Our graduate admissions deadlines are flexible but applications before December 31, 2023 are preferred. Mississippi State is located in Starkville, northeastern Mississippi, and a half-hour drive from excellent outdoor opportunities including Noxubee Wildlife Refuge and Tombigbee National Forest. We are 1.5 hours from Tuscaloosa, 3 hours from Memphis, and 4.5 hours

from New Orleans. Additional departmental details can be found at: https://www.biology.msstate.edu/ "Folk, Ryan" <rfolk@biology.msstate.edu>

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NorthCarolinaStateU GeneticsGenomics

The North Carolina State University Genetics & Genomics Academy is recruiting students for the Genetics & Genomics (GG) Scholars program (deadline: January 15th, 2024). The GG Scholars program prepares future scientists for cutting-edge, interdisciplinary research across the life sciences and is built on the philosophy that the exploration of genes and genomes informs all fields of biology. The GG Scholars program is open to incoming PhD students. Throughout Ph.D. training, GG Scholars are provided with an array of opportunities for development as scientists, including a world-classï¿½GGA Seminar Series < https://gga.ncsu.edu/seminar-series/ >, interactions withï¿½GGA Research Interest Groups < https://gga.ncsu.edu/research/ >, and a network of partnerships at the University and beyond to support careers in research, education, outreach, policy, and industry.

Learn more about the program by visiting our websiteï¿½here < https://ggscholars.org/ > or in the attached flyer. There are 16 differentï¿½affiliated PhD programs < https://ggscholars.org/affiliated-graduate-programs/ > to the GG Scholars where students will complete their PhDs after their first-year fellowship and training. There are two pathways toï¿½apply < https://-ggscholars.org/admission-process/ > to the GG Scholars program and new students will join this program either through an affiliated program or the GG Scholars program itself. More details about the application process, links to the application, and application materials can be found on the website and below. Applications are open as of September 1st.

Please share this program with anyone who you think might benefit from an umbrella graduate training program in Genetics and Genomics. If you have any questions please direct them to Dr. Martha Burford Reiskind (mbreiski@ncsu.edu), program coordinator Rebecca Stojancic (rsstojan@ncsu.edu), or email them directly to the GG Scholars program (gg_scholars@ncsu.edu).

Fred Gould <fgould@ncsu.edu>

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OsnabrueckU Germany SynergisticCoevolution

Name: OsnabrueckU_Germany, SynergisticCoevolution

Text:

The Department of Ecology at the School of Biology/Chemistry is seeking to appoint a Research Assistant (m/f/d)(salary grade E 13 TV-L, 65%)to commence at the earliest possible date. The position is limited for three years.

Background:

A major challenge in evolutionary biology is to understand how interactions between different organisms shape the process of coevolution. While this issue is well-understood for antagonistic interactions (e.g. between parasites and their hosts), our knowledge on synergistic coevolution is rather poorly developed. Specifically, it remains unclear how ecological interactions determine the evolutionary dynamics of coevolving populations and thus the mutational trajectories of the individuals involved. This includes in particular the question whether and how synergistic coevolution affects the rates of molecular evolution and phenotypic diversification within interacting consortia. This project will address these issues by taking advantage of a previously performed coevolution experiment, in which a cooperative mutualism evolved between two genotypes of the bacterium Escherichia coli. In collaboration with Dr. Alexander Herbig (MPI for Evolutionary Anthropology, Leipzig), both isolated strains and whole populations will be longitudinally sequenced to unravel the order and distribution of mutations that arose during synergistic coevolution. In addition, isolated and genetically reconstructed strains will be subjected to carefully designed coculture experiments to clarify how individual mutations affect the evolutionary dynamics of interacting genotypes on both a cell- and a population-level. In this way, the experimental tractability of the focal model system will help to identify the underlying eco-evolutionary mechanisms and thus help to understand other types of mutualistic interactions, in which similar analyses are frequently not possible.

Your Duties: - Participate in the DFG-funded project "Eco-evolutionary causes and genomic consequences of

synergistic coevolution " - Perform coculture and coevolution experiments with different bacterial strains - Reconstruct mutations in different genetic backgrounds - Conduct growth experiments to analyse fitness consequences of mutations - Determine the cooperativity of bacterial strains by quantifying their amino acid production rates (LC-MS/MS) - Spatio-temporal analysis of bacterial aggregates using tools of microfluidics and fluorescence microscopy - Flow cytometric analyses - Close collaboration with cooperation partners Dr. Alexander Herbig (Max Planck Institute for Evolutionary Antrhropology) and Dr. Alexander Grünberger (Karlsruhe Institute of Technology) - The successful candidate will have the opportunity to work towards a PhD

Requirements: - Completed degree (M.Sc. or comparable) in biology or a related field - Solid practical experience in microbiological techniques and molecular biological methods - Excellent command in written and spoken English

Additional Qualifications: - Sound knowledge of ecological and evolutionary concepts and theory - An excellent university degree - Creative way of working - Strong motivation and curiosity - Ability to work in an interdisciplinary team - Structured and independent way of working - Experience in using high-resolution fluorescence microscopy - Knowledge of quantitative working methods and statistical analysis procedures - Working knowledge in using programming languages (e.g. Python) - Ability to develop and analyse theoretical models (population dynamics, individual-based models) is a plus

We Offer: - An exciting and highly topical research project - Working in an interdisciplinary and international research team - Collaboration with other partner groups - Participation in the excellent graduate education programs at Osnabrück University (ZePrOS, IRTG) - Access to the state-of-the-art research infrastructure at the School of Biology/Chemistry (CellNanOs) - Live and work in the vibrant and liveable city of Osnabrück

Osnabrück University is a family-friendly university and is committed to helping working/studying parents balance their family and working lives. Osnabrück University seeks to guarantee equality of opportunity for women and men and strives to correct any gender imbalance in its schools and departments. If two candidates are equally qualified, preference will be given to the candidate with disability status.

Please submit your application (including a letter of motivation, CV, copies of certificates) by October 13, 2023 as one PDF file via email to the Dean of the School of Biology/Chemistry (Email: bewerb-bio@uni-osnabrueck.de).

Please contact Prof. Dr. Christian Kost (email: christian.kost@uni-osnabrueck.de, homepage: kost-lab.com) for further information. We are very much looking forward to receiving your application.

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Prague AvianSongEvolution

Three-year PhD position within a prestigious EU-funded MSCA doctoral network BioAcAi (Bioacoustic AI for wildlife protection):

YELLOWHAMMER:ï¿½ Individual acoustic monitoring to study song culture evolution within and between dialect areas

PhD position offers: - gross monthly salary ca 1980 EUR (incl. mandatory health and social insurance) - extra allowance for relocation, and for family/special needs if required - close collaboration with artificial intelligence and biodiversity experts from several European countries (Netherlands, Germany, France, Belgium, Czechia, Finland, UK)

The PhD project is based at the Department of Ecology, Charles University, Prague. The study should start in March 2024.

To apply, please submit *(1) a letter of motivation, (2) your academic CV, (3) the names and contact details of two references.

Submit these as a single PDF document to: tereza.petruskova@natur.cuni.cz

The application deadline is October 30, 2023.

For more information, see:

https://www.natur.cuni.cz/biology/ecology/research/-ongoing-projects/bioacoustic-research-group/phd-position-announcement https://www.natur.cuni.cz/-biology/ecology/research/ongoing-projects/-bioacoustic-research-group https://bioacousticai.eu/
Adam Petrusek <petrusek@cesnet.cz>

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PurdueU PlantCLimaticAdaptation

PhD opportunity: Mechanisms of climatic adaptation in plants

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

The Oakley lab in the Department of Botany and Plant Pathology at Purdue University is recruiting a PhD student for Fall 2024 for an NSF funded project 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. This project (in collaboration with the Dilkes lab in Biochemistry at Purdue) is a unique opportunity to investigate the effects of a naturally occurring sequence polymorphism in a key regulatory gene on molecular and organismal phenotypes and fitness in contrasting conditions that mimic the native environments in which the ecotypes evolved. There are many opportunities for new directions building off the main themes of the project. 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 2024), as is a strong interest in learning to use transcriptomic and metabolomic tools to answer evolutionary questions. No specific skills are required, but some combination of experience in experimental biology, molecular genetics, plant care, and bioinformatics/quantitative analysis 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 Nov. 15th, 2023 and do NOT require the GRE. 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 oakleyc@purdue.edu https://-btny.purdue.edu/labs/oakley "Oakley, Christopher G" <oakleyc@purdue.edu>

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Seville Spain QuailSympatricDifferentiation

Dear all,

we are looking for a PhD candidate to work with us on the project *Origin and impact of chromosomal inversions on the evolution and physiology of common quails (*PI–143216NB-I00), at the Doï¿½ana Biological Station (EBD-CSIC, Seville, Spain) and under the supervision of Carles Vilï¿½ and Ines Sanchez-Donoso.

Our research group has found a chromosomal inversion that affects more than 10% of the genome of common quails, more than 1200 genes. This inversion is found with high frequency in the south of the Iberian Peninsula, north of Morocco, and Macaronesian islands. The inversion is associated with phenotypic effects and quails with the inversion are larger, darker, and have reduced migratory movements. However, the origin of this inversion is still unknown and the impact of the coexistence of the two chromosomal variants in the same populations is not fully understood.

We are looking for candidates for a 4 year PhD contract that could: - participate in field efforts to sample quails with and without the inversion, mainly in southern Spain, - participate in laboratory work to prepare genomic libraries and hormone and stable isotope analyses, - carry out phylogenomic and population genomic analyses including quails sampled in Spain and other parts of the world.

More about the project and the PhD position: https://consevol.org/projects/evolquail.html https://-consevol.org/jobs.html Candidates are encouraged to contact us: carles.vila@ebd.csic.es.

Please, spread the word.

Best regards,

Ines Sanchez-Donoso PhD

*Conservation and Evolutionary Genetics GroupEstaciï¿½n Bioloï¿½gica de Doï¿½ana (EBD - CSIC) * *http://www.consevol.org* Ines Sanchez-Donoso <inessanchez@ebd.csic.es>

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Smithsonian InvertebrateSystematics

Dear Colleagues,

The Smithsonian National Museum of Natural History has several upcoming opportunities for graduate students through senior researchers. The ones related specifically to research in invertebrate zoology are:

- Together the SIFP and Buck Fellowships provide graduate student through postdoc opportunities for question-driven research in all departments (~10 weeks to 2 years).

- The Reed Fellowship provides funding for graduate students through senior researchers working on North American Freshwater Copepods (~1-12 weeks).

- The Fauchald Fellowship provides funding for graduate students through senior researchers working on collections-based polychaete research at USNM (~1 week to 6 months).

- The Boss Fellowships provide funding for graduate students to visit the USNM Department of Invertebrate Zoology to conduct collections-based research (~1-10 weeks).

For more information, please see https://-naturalhistory.si.edu/research/invertebrate-zoology/-opportunities . If you have questions, please contact me, the contact person for the specific fellowship you are interested in, or the mentor you would like to work with. These funds and fellowships are open to all persons regardless of citizenship.

Please feel free to forward these opportunities to anyone you know who may be interested in applying.

Warmly, Karen

– Karen Osborn Research Zoologist/Curator of Polychaetes, Peracarids and Plankton Department of Invertebrate Zoology w 202.633.3668 osbornk@si.edu http:/-/orcid.org/0000-0002-4226-9257 Mail: Department of Invertebrate Zoology, Smithsonian National Museum of Natural History, MRC-163 P.O. Box 37012, Washington, D.C. 20013-7012 USA

Courier Address: Smithsonian Institution, MR 0163, Natural History, West Loading Dock, 10th and Constitution Ave NW, Washington, D.C. 20560

"Osborn, Karen" <OsbornK@si.edu>

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SouthDakotaStateU GenomicsBioinformatics

A Ph.D. student position for plant genomics/bioinformatics is available for enrollment in spring 2024 in the Department of Biology and Microbiology, South Dakota State University, Brookings, South Dakota. The incumbent will deploy genomic and bioinformatic pipelines to analyze next-generation sequencing data and work on plant genome assembly, annotation, genome-wide comparison and mutation analysis in wheat and Arabidopsis and assist on analysis of wheat proteomics data.

The candidate should have a B.Sc. or M.Sc. degree in biology, computer science, or a related major and experience of one year or more on plant genomics, bioinformatics, computational biology, or a closely related field and is familiar with the Linux system and R programming. Other requirements will include a demonstrated ability to manage multiple projects with flexibility and a proven ability to work closely with colleagues.

Detailed information about the Department of Biology and Microbiology can be found at the website https://www.sdstate.edu/biology-and-microbiology. The following links will provide an overview of ongoing activities in the respective Li and Fenster labs: https://wheatgenomics-sdsu.github.io/ https://-charlesbfenster.wordpress.com/ SDSU is a land-grant university and the state's largest institution of higher education well equipped with a high-performance computing network (https://www.sdstate.edu/geography-and-geospatial-sciences/high-performance-computing).

As a typical college town, Brookings has a population of ~23,000, an excellent K-12 education system, an active cultural and social environment, and many lakes and parks. Brookings is about a 40-minute drive to Sioux Falls, the largest city of South Dakota with district airport.

To apply, send a cover letter with a CV and contact information (phone and email) for three references to Drs. Wanlong Li and Charles Fenster at wanlong.li@sdstate.edu and charles.fenster@sdstate.edu.

"Fenster, Charles" <Charles.Fenster@sdstate.edu>

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Switzerland ForestGenetics

Title: Switzerland.ForestGenetics

The Swiss Federal Institute for Forest, Snow and Landscape Research WSL is part of the ETH Domain. Approximately 600 people work on the sustainable use and protection of the environment and on the handling of natural hazards.

The Research Unit Biodiversity and Conservation Biology investigates the diversity of life in its various forms, from genetic diversity to the diversity of species and ecosystems as well as their interactions. Its Evolutionary Genetics Group is interested in understanding the roles of demography and natural selection in shaping the life-histories and the genetic composition of forest tree populations across the landscape. The group uses field experiments, statistical models, and individual-based computer simulations to answer fundamental evolutionary questions and to aid adaptive forest management decisions. In the framework of the ERC Consolidator Grant "MyGardenOfTrees", the Evolutionary Genetics Group offers a 3-year position starting 1 December 2023 or soon after: PhD student in evolutionary genetics of forest trees.

The aim of MyGardenOfTrees (https://-www.mygardenoftrees.eu/) is to evaluate the growth and regeneration capacity of silver fir (Abies alba Mill.) and European beech (Fagus sylvatica L.) through an unprecedented number of experimental gardens across Europe. Observations obtained from these gardens will be combined with genomic data and used to develop a prediction tool for foresters to help them build forests better adapted to climate change. The field component of the project is based on participatory science and involves foresters across Europe, and is coordinated by a dedicated senior researcher.

The project is hiring a total of three PhD students working on complementary topics. The current PhD position will focus on addressing the role of gene-environment interactions in seedling performance using a combination of genomics, common garden experiments and environmental data. The ultimate goal is to describe the reaction norms (phenotypic expression) of different populations and lineages across a large range of environments and incorporate this information into a genomic prediction model. The position principally involves data analysis and modeling; lab or field components are minor.

We are looking for a curious and hard-working student who is passionate about evolutionary biology and likes statistics. She/he holds a Masters degree with training and research experience covering at least some of the following fields: evolutionary biology, population/quantitative genetics, plant/animal breeding, forestry or plant science, computational biology, statistics and data science. Experience in working with forests is not essential but is an advantage. The successful candidate should be fluent in English, have excellent written and oral communication skills and can work both independently and in a team. French or German knowledge are not necessary, but can be helpful. The PhD thesis will be supervised by Dr Katalin Csilléry (Evolutionary Genetics Group, WSL) and Prof Dr John Pannell (Department of Ecology and Evolution, University of Lausanne). The PhD student will be based at WSL in Birmensdorf, close to Zurich, but will also spend time in the Pannell lab in Lausanne. The PhD will be awarded by the CUSO Doctoral Program in Ecology and Evolution and the UNIL (https://biologie.cuso.ch/ecology-evolution/welcome). The position could be extended for a 4th year depending performance and funding.

Applications, including a CV, motivation letter, a summary of past relevant accomplishments, and the names and contact details of two referees should be sent to Michele Bucher, Human Resources WSL, by uploading the requested documents through the WSL webpage. Applications via email will not be considered. The position remains open until filled. A first evaluation of the applications will start on the 1st of October 2023. Katalin Csilléry, katalin.csillery(at)wsl.ch, phone: +41 44 739 23 43 will be happy to answer any questions or offer further information. The WSL strives to increase the proportion of women in its employment, which is why qualified women are particularly called upon to apply for this position.

–

Katalin Csilléry, Group Leader, Evolutionary Genetics Group, Biodiversity and Conservation Biology Unit

Swiss Federal Research Institute WSL, Zürcherstrasse 111, 8903 Birmensdorf, Switzerland Office: Bi MG E floor, Tel: +41 44 739 2343, Email:

katalin.csillery@wsl.ch

Web:

evolgenetgroup and MyGardenOfTrees

Katalin Csillery <katalin.csillery@wsl.ch>

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TexasAMU DeNovoGenes

Ph.D. POSITION IN DE NOVO GENE FUNCTION AND EVOLUTION

A Ph.D. position is available in the Casola Lab at Texas A&M University (http://agrilife.org/casolalab/) to conduct research on de novo genes.

Prospective students may be accepted through any of the following graduate programs at Texas A&M:

Genetics (http://genetics.tamu.edu/)

Ecology and Evolutionary Biology (http://eeb.tamu.edu/)

Experience in comparative genomics, evolutionary genomics and programming with common bioinformatics languages is required. Prospective students should contact Dr. Claudio Casola (ccasola@tamu.edu) and to submit a CV and a brief statement of interest before formally applying to any Graduate Program.

Claudio Casola, Ph.D. Associate Professor Department of Ecology and Conservation Biology Texas A&M University Phone: (979) 845-8803 email: ccasola@tamu.edu http://agrilife.org/casolalab/ Claudio Casola <Claudio.Casola@ag.tamu.edu>

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TexasTechU EvolutionaryGenomics

The Manthey research group in the Department of Biological Sciences at Texas Tech University is recruiting 1-2 PhD students to work on funded genomics projects beginning Fall 2024.

We currently have funded projects to investigate landscape genomics, population genomics, and genome evolution in carpenter ants and their microbial symbionts. Graduate students would be encouraged to develop their own projects under these broad themes. For more information about these lines of research and our lab more generally, please visit: mantheylab.org.

Interested individuals should email a CV/resume to Dr. Joseph Manthey (jdmanthey@gmail.com or joseph.manthey@ttu.edu), as well as an informal statement of how your interests overlap with the research projects in the lab.

The Department of Biological Sciences has a strong and dynamic group of scientists with a focus in ecology and evolutionary biology. The department has strengths in multiple areas of genomics, bioinformatics, and specialized disciplines of ecology and evolutionary biology. The departmental website can be found here: http://www.depts.ttu.edu/biology/- ~Deadline for applications~ Our department has a deadline of January 1 for applicants applying to start the following fall. Please find all application details here: http://www.depts.ttu.edu/biology/academics/-graduate/prospective-students/ All qualified applicants are encouraged to contact me with their statement of interest. While academic scores have a role in admissions, motivation and enthusiasm for genomics and research experience are highly valued.

Joseph D. Manthey, Ph.D. Assistant Professor, Biological Sciences Texas Tech University Email: jdmanthey@gmail.com | joseph.manthey@ttu.edu https://mantheylab.org/ Joseph Manthey <jdmanthey@gmail.com>

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UBarcelona GutMicrobiotaEvolutionInsularLizards

A PhD position is available at the Department of Evolutionary Biology, Ecology and Environmental Sciences of the University of Barcelona (Spain) to study the "Coevolution of the symbiosis between host and the gut microbiota in insular lizards from the Balearic Islands (Spain)". The project aims at combining multi-omics with individual and population-level data to understand the strength of the symbiosis over a short-evolutionary time frame (within and across populations of the same species) and the potential role of the gut microbiome

in extending host fitness landscape in resource-limited environments (small islands).

The contract is available for 4 years (full funded), starting in last trimester 2023 or beginning of 2024 and it is financed by the Agencia Estatal de Investigación under the recently funded project “

The island syndrome: toward an integration of life history traits, gut symbionts and population dynamics (ISLAB).”

The project will be a collaboration between the University of Barcelona (https://www.ub.edu/evok/) and the group of Giacomo Tavecchia at the Mediterranean Institute for Advanced Studies (IMEDEA) in Mallorca (Spain).

We look for a highly motivated PhD student, with passion for microbes, ecology, evolution and multi-omics data analysis.

The PhD candidate will be involved in:

Field sampling in the Balearic Islands Molecular lab work for data production (16S full-length, shotgun metagenomics and metabolomics)Gut microbiota analyses and integration with host metadata at individual-level (sex, age, morphometrics, genetics) and population/island level (life history traits, dynamics, diet, ecology)

Ideal candidates will have:

A B.Sc. or M.Sc. degree in biology degree in a field of biological sciences, and some prior research experience on microbial analysis Research and theoretical proficiency in microbiology, ecology, evolutionary theory Research experience in molecular lab work and bioinformatics (familiar with Unix and R programming)A strong interest in interdisciplinary research, with a focus on biological questions rather than the particular model organism. Strong written, oral, and interpersonal communication skills.

To apply, please send a cover letter with a CV and contact information for three references (phone and email) to prof. Laura Baldo baldo.laura@ub.edu

Laura Baldo, PhD Associate Professor

(Profesora agregada)

Department of Evolutionary Biology, Ecology and Environmental Sciences (BEECA),

Institut de Recerca de la Biodiversitat,

University of Barcelona Av. Diagonal, 643 (Margalef building),5th floor 08028 Barcelona, Spain email: baldo.laura@ub.edu phone: (+34) 9340 37144

https://scholar.google.es/citations?user=-jXAZPfAAAAAJ&hl=en Web page: http://-www.ub.edu/evok Laura Baldo <baldo.laura@ub.edu>

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UBern AlpineConservation

The Division of Conservation Biology at the Institute of Ecology and Evolution, University of Bern, Switzerland, offers 1 PhD position in conservation biology Within the research project:

PROTECTION OF HIGH-ALPINE ALLUVIAL HABITATS RELEASED BY MELTING GLACIERS AS A CONSEQUENCE OF GLOBAL WARMING The extremely rapid, and even accelerating, melting of glaciers in response to climate warming will pave the way for the formation of proglacial alluvial habitats in the Alps; these ice-free areas will gradually be colonised by pioneer species, followed by whole alpine communities via secondary succession, inducing changes in the composition and configuration of alpine landscapes in the long-term. However, the emergence of new subglacial alluvial habitats will also open opportunities for infrastructure development; for example, damming for hydropower production or water reserve retention (e.g., artificial snow for the tourist industry), or flooding for the same reasons, and/or management via heavy machinery (e.g., sediment removal) may all contribute to affect these habitats. The threats that human infrastructure represents to the conservation of the unique biodiversity values of subglacial alluvial landscapes are increasing driven by the rapid expansion of renewable energies in response to the emergent climatic and energy crises.

Tasks The candidate will identify, via predictive spatial models, where these proglacial alluvial habitats will develop in the coming decades, to forecast what their biodiversity values will be and whether the latter could be at risk because of the potential of these new formed landscapes for infrastructure development (e.g., renewable energy). The candidate will also work on the development of a biodiversity indicator for high-alpine alluvial zones and on understanding how values of this indicator change under different environmental conditions (e.g., elevation, microhabitat structure). The main outcome of the PhD project will be a hierarchical ranking of Swiss alpine landscapes based on their conservation value and vulnerability to potential infrastructure

development that will serve as a basis for deciding on the future use and management of these alluvial areas. Another goal is to provide guidelines for practical in situ management of these habitats to preserve and promote biodiversity.

Candidates are expected to actively participate in weekly lab meetings and present the results of their research both in scientific and plain language articles and at national and international conferences. The PhD student will also contribute to teaching (e.g., co-supervising BSc and MSc projects on the same topic) and oversee some minor administrative duties.

Requirements The candidate must hold a MSc degree in biology or equivalent, and ideally will show a strong interest in conservation science, environmental management and spatial analyses. Knowledge on alpine or alluvial habitats, advanced statistical techniques, R, or on spatial tools (GIS analyses) will be an advantage but it is not a prerequisite. Good command of English is important, while knowledge of French and/or German can be favourable, notably to deal with stakeholders. The Institute of Ecology and Evolution is committed to increasing diversity, equity and inclusiveness in ecology and evolution and especially encourage applications from underrepresented groups.

Conditions Salary according to Swiss National Science Fund (SNSF) rules for PhD students: CHF 47,390- gross annual salary. Start: October-November 2023. Duration: 3.5 years with a possibility of extension up to 4 years.

How to apply? Applications must be submitted to alejandra.moran@unibe.ch and should include a motivation letter describing your interests, experience and relevance for this position, a CV (including a list of publications when available), the MSc certificate or transcriptions, a summary of the MSc thesis (or an example of scientific writing), as well as the names and contact details for two referees (name, surname, institutional addresses, email and phone number).

Please send your application as a single PDF named ???application_firstname.lastname???. The application deadline is September 10th, 2023. Interviews in Bern are foreseen on the 26th of September 2023.

"alejandra.moran@unibe.ch"
<alejandra.moran@unibe.ch>

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UChicago PlantAdaptation

The Kreiner Lab at the University of Chicago is looking to recruit PhD Students interested in studying the genomics of rapid adaptation in contemporary environments, with a focus on plant adaptation to climate and agricultural change.

Our research uses cutting-edge population genomic approaches bolstered by spatio-temporal sampling designs (aDNA, herbarium genomics, field collections), theoretical inference, and quantitative experiments in non-model organisms.

Please visit the lab webpage for more information: www.kreinerlab.com The Department of Ecology and Evolution offers a renowned graduate program and a dynamic community of scholars brought together by our passion for ecology and evolutionary biology. The department also runs the Warren Woods Field Station, the first Passive House-certified laboratory in North America fully equipped with lab space and housing to facilitate field-based research in the Midwest. E&E ties with other departments (Human Genetics, Organismal Biology, Genomics & Systems Biology) and Chicago area research institutions, including the Field Museum and Argonne National Lab, provide faculty, staff, and students opportunities to expand the scope of their research. The city of Chicago is a vibrant, cultured, and affordable city.

Interested applicants should email me at: kreiner@uchicago.edu, with a short paragraph stating why you are interested in the lab and describing any past research experience. Please include your C.V., any publications, and contact information for a few references. *Informal contacts are also welcome!*

Julia Kreiner, Ph.D. Incoming Assistant Professor, Department of Ecology & Evolution University of Chicago

kreiner@uchicago.edu

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UFlorida SexualSelection

Ph.D. position: UFlorida.SexualSelection

A PhD position is available in the established research group of Christine W. Miller at the University of Florida. The successful applicant will start Fall 2024 to work on an NSF-sponsored project on male-male competition using techniques and perspectives from evolutionary biology, behavior, ecology, and biomechanics. Over the next year we will be hiring an additional Ph.D. student, a postdoc, and more; please see http://www.millerlab.net/opportunities.html for more information. We are a welcoming, diverse, inclusive, and enthusiastic research group.

We use the leaf-footed bugs, Family Coreidae, to understand broad patterns in evolutionary biology. These insects are excellent experimental subjects for student work. They wrestle with their hind legs over territories and have an amazing diversity of hind leg shapes. Other projects in the lab include studies of trade-offs between weapons and testes; the effect of nutrition and social environments on weapon structure, testes size, and male fighting behavior; and the evolution of phenotypic plasticity. Our new phylogeny of the Coreidae allows us to test hypotheses of weapon shape evolution.

The successful applicant for this position will have previous research experience and coursework in the fields of evolution, biomechanics, and/or animal behavior. Experience with insects is not necessary. This position pays over $30,000/year for 4 years and includes a tuition waver and health benefits. To be competitive, a M.S. degree in a related field and/or substantial research experience in one or more the fields mentioned above is required. Prospective students are encouraged to send application materials to Dr. Christine W. Miller, cwmiller@ufl.edu by October 2nd. Before sending an email, please first consult the laboratory's website, www.millerlab.net, to learn about our work and to peruse our publications.

Your email should include 1) a description of your interest in male-male competition, biomechanics, and/or animal behavior (broadly), 2) an explanation of how your previous research experience could contribute to the topics we investigate in this lab, 3) a brief overview of any publications, presentations, and your academic experiences, 4) a CV, 5) an unofficial transcript, and 5) why you feel you are ready for a Ph.D.

Information about Gainesville, Florida:

Situated in the rolling countryside of north central Florida, Gainesville, is close to world-class fishing, snorkeling, canoeing, tubing and kayaking. On land, there are opportunities for birding, hiking, biking, and fishing. Home of the University of Florida, Gainesville is progressive, environmentally conscious, and culturally diverse. The presence of many students and faculty from abroad among its 100,000-plus population adds a strong cross-cultural flavor to its historic small-town Southern roots. Its natural environment, temperate climate and civic amenities make Gainesville a beautiful, pleasant, and interesting place in which to learn and to live.

Christine W. Miller (She/Her) Associate Professor

Email: cwmiller@ufl.edu Phone: 352-273-2919 Twitter: @cwmillerlab Entomology & Nematology Department University of Florida www.millerlab.net "Miller, Christine W." <cwmiller@ufl.edu>

UFlorida SyntheticLifeInVitroEvolution

PhD Position Available in Synthetic Biology and In Vitro Evolution

Location: Gainesville, Florida, USA

Closing Date: 1 December 2023

The Abil lab in the Department of Biology at the University of Florida is seeking a highly motivated and collaborative PhD student with interests in synthetic biology and in vitro evolution.

As a PhD student, the candidate will have the opportunity to contribute to exciting projects centered around bottom-up engineering of a synthetic living system. We strive to better understand the general processes of life and life's origins by engineering synthetic life from non-living components. Our current research endeavors primarily focus on engineering cell-free processes that mimic the cyclically catalytic nature of living organisms. To achieve this, we will engineer in vitro transcription-translation-coupled self-replicating gene networks, or "autogene networks", in cell-like artificial compartments. We will study their collective biopolymer synthesis, evolutionary dynamics, adaptability, and ability to be integrated into more complex networks. Our research will

provide valuable insight on essential biogenic processes, such as biogenesis of ribosomes, translation factors, and energy regeneration complexes, which are difficult research subjects in vivo.

——The Abil lab—— Our lab opened in the Fall of 2023. We have access to state-of-the-art shared instruments for synthetic biology projects. We strive to establish an inclusive, supportive, and scientifically vigorous environment for all our members.

——Project overview—— We have a position available in our group to work on one of the following projects:

1. Self-Replicating Transcription and Translation Apparatuses. The goal of this research area is to better understand how factors required for replication, transcription, and translation work in synergy to enable ensemble autocatalysis in living systems. We will engineer gene circuits expressing these factors and study their populational persistence, evolvability, and variability.

2. Self-Replicating Minimal Genetic Decoding System. We will engineer autogene networks expressing factors for genetic decoding (tRNAs and amino acyl-tRNA synthetases). tRNA will be co-evolved with corresponding aminoacyl tRNA synthetases toward reduced or removed reliance on modification enzymes, and thus towards minimization of the genetic code apparatus.

——Qualifications—— The successful candidate should have a bachelor's or equivalent degree in biology, biotechnology, chemical or biomolecular engineering, molecular and cellular biology, biochemistry, biophysics, or adjacent field. Desirable skills include basic molecular biology techniques such as PCR and cloning. Experience with directed evolution, protein or nucleic acid engineering would be advantageous. Note that these skills are desirable but not required and our lab will provide many training opportunities.

Good written and verbal communication skills are required. He/she should be enthusiastic, collegial, have experience working in a team, and show wet lab and/or quantitative skills evidenced by coursework or previous projects.

It will be helpful to think about the following questions before you apply:

* Are you interested in building a synthetic cell? * Are you interested in using directed evolution and cell-free biology to better understand the general processes of Life and Life's origins? * Do you find our research exciting and what do you like about our work? * Why is our lab a good fit for you? * What makes you a strong candidate?

——Financial Support—— This PhD position is sponsored by the Biology Department graduate program at UF and will be funded through an initial two years of research assistantship. In addition, the Department will provide teaching assistantships to all students who do not receive fellowship support or research assistantships for the expected duration of the program, assuming the student continues to make timely and satisfactory progress in the program.

——Application—— If you are interested, please email Zhanar Abil at abilz[at]ufl[dot]edu to express your interest in applying for the position and include:

1. CV including a list of relevant coursework. 2. A research statement detailing research interests, experience, and why you are interested in joining the lab.

More information about the application process can be found on the department website: https://-biology.ufl.edu/graduate-programs/application/ . For more information about the lab, please visit https://-portal.clas.ufl.edu/biology–abil-lab-v1/ abilz@ufl.edu

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UGothenburg:TropicalForestChange

*Doctoral student in Natural Science, speci**alizing in biology*

At the Department of Biological and Environmental Sciences (BioEnv) we have teaching and research activities that span from the alpine ecosystem, through forests, cultivated land and streams, all the way into the marine environment. In these environments, we study different levels of biological organisation from genes, individuals and populations, to communities and ecosystems. We work within ecology, evolution, physiology, systematics and combinations of these fields in order to understand the impact of natural and anthropogenic changes of the environment.

The department is placed at three different localities: in the Gothenburg Botanical garden, at Medicinareberget in Gothenburg, and Kristineberg Marine Research Station. This position is located in our new facility, Natrium, located on Medicinareberget.

General information about being a doctoral student at the University of Gothenburg can be found on the university's doctoral student web-

pages < https://medarbetarportalen.gu.se/doktorand/-?languageId=100001&skipSSOCheck=true >

Project description

§The PhD will quantify forest change through time and across space

§The project will focus on forest response to human impact

§The project will consist of field and laboratory work, as well as data mining and statistical analysis

§The successful candidate will have Christine Bacon < https://scholar.google.se/citations?user=-_p4DcHgAAAAJ&hl=en > as main supervisor and Matiu Prebble < https://scholar.google.se/-citations?hl=en&user=AZT37l0AAAAJ > as co-supervisor

§The successful candidate will be highly encouraged to join ClimBECCo < https://www.cec.lu.se/education/-postgraduate-studies/climbeco >, a research school associated with the Swedish strategic research area on Biodiversity and Ecosystem Services in a Changing Climate(BECC < https://www.becc.lu.se/ >), where Christine Bacon is PI and part of the leadership. The successful candidate will also have ample opportunity to collaborate with other researchers at the Gothenburg Global Biodiversity Centre: (GGBC < https://-www.gu.se/en/ggbc-global-biodiversity >), where Christine Bacon is a member

Duties

The main task is to conduct the PhD thesis work under supervision, which includes development of the PhD student's methodological experience, analytical skills, as well as theoretical depth and breadth. Techniques used within the project include Bayesian statistical analysis, phylogenomics, and population genetics. The work will be conducted as field, laboratory, and computational studies. Shorter periods may also be spent as field work in French Polynesia, Cook Islands, Hawaii (USA), Aotearoa (NZ) or another country. In addition to working in Gothenburg and in the field, time may also be spent working in the group of Matiu Prebble (University of Canterbury, Åtautahi/Christchurch, New Zealand).

The tasks envisioned will include some or all of the following:

- Field work collecting palm and lake sediment material - DNA extraction of contemporary and sedimentary DNA - Bioinformatics and phylogeographical analyses - Data mining of fossil and human presence - Quantify forest change through time and space - Working with indigenous communities

Education at third-cycle level comprises four years of full-time study, and leads to a doctoral degree. As part of your employment as a doctoral student, you may have departmental duties corresponding to up to 20% of full-time employment, distributed throughout your study period. Departmental duties usually consist of teaching at first- and second-cycle levels, but may also include research and administration.

*Eligibility*Education at third-cycle level requires general eligibility and, where appropriate, specific eligibility as set out in the general syllabus for the subject.

The general eligibility requirements for education at third-cycle level are:

1. having completed a degree at second-cycle level, or the fulfilment of course requirements totalling at least 240 credits, of which at least 60 credits must be at second-cycle level, or

2. the acquisition of equivalent knowledge in some other way, either in Sweden or abroad.

To meet the specific entry requirements for third-cycle studies, applicants must:

1. have a second-cycle (advanced-level) degree in a relevant* subject area in the natural sciences, or

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UGuelph PlantEvolution

Graduate student position in plant evolutionary ecology at the University of Guelph

I am looking for a MSc student interested in studying the response of native plant populations to human-mediated pollinator decline.

For more information on my lab, check out:

www.christinamariecaruso.com The student will have considerable freedom to develop their project.Start date is Fall 2024.

Interested candidates should email me atcaru-soc@uoguelph.ca. Please include a statement of interest, CV, and transcript (unofficial is fine). Because of funding restrictions, preference will be given to candidates

who are Canadian citizens or landed immigrants.

Christina M. (Chris) Caruso Associate Professor

Department of Integrative Biology

University of Guelph

Guelph, OntarioN1G 2W1Canada

Christina Caruso <carusoc@uoguelph.ca>

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UHull EvolutionaryCancerModelling

This project is at the interface between Evolutionary mathematical modelling and modern machine learning in the context of cancer biology.

https://www.hull.ac.uk/study/postgraduate/-research/phd/funded/building-a-theoretical-framework-to-understand-multidrug-adaptive-therapy-for-neuroblastoma Applications are invited for individuals to apply for a PhD and Graduate Teaching Assistant position in Data Science.

Neuroblastoma is a paediatric cancer arising in the peripheral sympathetic nervous system. It is the most common extracranial solid tumour of childhood. It accounts for around 13 % of paediatric cancer mortality. Despite multi-modal therapy, the high-risk cases are prone to relapses. Their overall survival rate is less than 40 %. As in the general case of cancer treatment, one reason is the one-size-fits-all treatment protocol. During induction chemotherapy (rapid COJEC protocol), drugs are applied at their maximum tolerated doses until disease progression due to drug resistance. The entire human genome is susceptible to mutations, giving neuroblastoma cells innumerable resistance mechanisms, but they follow predictable evolutionary dynamics. Instead of the maximum tolerated doses, modern adaptive therapies use personalised schedules to exploit these vulnerabilities. A recent study combined a population model and a genetic algorithm to study neuroblastoma progression in the presence of two drugs. It identified novel therapies exploiting the cytotoxic difference between the two drugs and clonal competition for finite resources. However, the rapid COJEC protocol comprises five drugs. Furthermore, a promising therapeutic strategy is the use of ALK inhibitors to enhance rapid COJEC.

This project aims to build a theoretical framework to understand cancer progression in an environment with more than two drugs by combining evolutionary game theory, population dynamics, and agent-based modelling.

In the first stage, the student will design pay-off matrices to represent hypothetical relationships between cytotoxic activity and drug resistance. In the second stage, the student will search for evolutionary stable strategies (unchanging clonal compositions) in the corresponding replicator equations. Linked together, the games represented by the matrices, specifically their sequences of evolutionary stable strategies, constitute specific adaptive therapies.

The main objective is to generalise the findings about two drugs. As the number of strategies accessible to a population of neuroblastoma cells undergoes combinatorial explosion, how do the effective adaptive therapies change? The answers will be tested with more realistic models from eco-evolutionary dynamics. For example, the logistic equation can describe a tumour's carrying capacity, thus modelling clonal competition for finite resources.

These details will in turn be used to finetune the pay-off matrices. In the third stage, the student will fit the models to experimental data about the synergistic effects of rapid COJEC and ALK inhibitors, such as a study combining lorlatinib with chemotherapeutic agents. In addition, Dr Taschner-Mandl (CCRI, Austria) is using an imaging assay to assess the effects of various drug combinations on neuroblastoma cell viability. She has also collected data about the clonal compositions of neuroblastomas at different time points of the standard treatment protocol.

After revealing which of the theoretical adaptive therapies are clinically relevant, the student will solve the control problem of finding the drug doses necessary for steering the population dynamics through each sequence of evolutionary stable strategies corresponding to a relevant case.

In the final stage, the student will implement these drug schedules in a graph-structured agent-based model to study the interactions between adaptive therapies, the unique vulnerabilities of small populations, and spatial effects.

In addition, you will also be required to undertake up to 258 hours of demonstrating and teaching support related activity per academic year, supporting students studying the MSc Data Science and Artificial Intelligence and also undertake the Postgraduate Training Scheme (PGTS) as part of your research degree. Inter-

national students who require a student visa will usually be restricted to working a maximum of 20 hours per week during term-time of paid and unpaid work, for one or more organisations. The successful candidates will be based on the University of Hull campus and will be provided with a physical workspace and specific equipment to support their research.

The research will be part of the Centre of Excellence for Data Science, Artificial Intelligence and Modelling (DAIM), within the Faculty of Science and Engineering.

How to apply

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UIceland Systematics

PhD position in evolutionary biology at the University of Iceland with emphasis on evolution and biogeography of arachnids in Caribbean caves.

The Agnarsson lab (theridiidae.com) has funding for a 3 year PhD project in biology with emphasis on collection of specimens and data, and data analyses, regarding speciation and biogeography of arachnids (spiders and others) in Caribbean caves (CarBio, islandbiogeography.org). A master's degree or equivalent is required, hence the 3 year duration of the project which is entirely research, with no required teaching. However, the student will be expected to contribute to teaching in order to gain necessary career skills. The project will be done within the Biology section of the Faculty of Life and Environmental Sciences at the University of Iceland. The position is funded for three years by a University of Iceland Research grant, and other existing and pending funding.

Major projects and responsibilities

A major goal of the CarBio project is to investigate the biogeography, speciation history, and biodiversity of arachnids on Caribbean islands. The PhD project focuses on the role of caves in speciation at this famous biodiversity hotspot. The goal is to collect and analyze specimens from over 100 caves across the Caribbean archipelago and test the hypothesis that caves are speciation Âturbo enginesÂ that lead to extraordinary diversity of lineages that inhabit Caribbean caves. In order to reach that goal the PhD student will use samples from the Caribbean that the CarBio project has collected since 2011, in addition to new samples that the PhD student will in part collect in the field. We will employ powerful Next Generation Sequencing techniques (UCEÂs 3RAD seq) to analyze genomic variability in order to establish the relationships among individuals and species of at least four unrelated lineages that have replicate history of colonizing caves. With these data, we will estimate geneflow, number of species, speciation history and biogeography (when and how species colonized islands and caves) and ultimately test the above stated hypothesis. Another major goal is the description of new species from the project and evaluating the conservation importance of Caribbean caves. The project will collaborate closely with Drs. Jason Bond (University of California Berkeley) and Jonathan Coddington (Smithsonian Institution), two of the worldÂs leading arachnologists in the fields of systematics/phylogenetics, evolution, biogeography and speciation patterns.

Background: Detecting the fundamental factors underlying the generation of biodiversity is a central goal in evolutionary biology. Many recognized hotspots of biological diversity are island archipelagos that combine richness with exceptionally high endemicity. Habitats, like mountaintops and caves, can be effective 'islands' when surrounded by a matrix of 'non-habitat'. If the nature of islands drives diversification, geographically nested 'islands within islands' should generate high levels of spatially structured diversity. The 7000 caves of the Caribbean islands are an ideal arena for testing this prediction. Preliminary data indicate that many arachnid lineages in caves have undergone radiation among cave 'islands'. Thus, Caribbean caves represent a vast but largely uncharted dimension of diversity within this biodiversity hotspot. The project performs the first systematic inventory of Caribbean cave arthropods (emphasis on arachnids) to test the hypothesis that cave systems on archipelagos islands within islands act as biodiversity 'turbo engines'. The PhD student will complete work on existing specimens, and to lead new sampling effort and research to greatly expand the CarBio project. This project opportunistically banks on an ongoing mega-transect of epigean Caribbean arachnids setting the ideal stage to study the origin, biogeography, and comparative diversification patterns of related subterranean and epigean lineages.

Qualifications

A master's degree (or comparable) in biology, molecular biology, computer sciences with emphasis on biology, or related disciplines.

Good knowledge of evolutionary biology, genetics, and

ecology is preferable.

Thorough understanding of the main tools of molecular biology in relation to systematics (DNA extraction, PCR, sequencing, sequence analyses).

Good programming skills and/or experience in the use of the R statistical environment.

Excellent control of English, both spoken and written.

Excellent communicative skills and the ability to both work in groups and highly independently.

A determination that you want nothing more than a career in biology!

Hiring is conditional on a formal application for PhD studies at the University of Iceland within the School of Engineering and Natural Sciences, and on the student's acceptance into the program.

Further information on the position

The project is funded for 3 years of research, with no TA requirements.

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UJyvaskyla EvolutionaryGenetics

A position for a Doctoral Researcher (graduate student) in Evolutionary Genetics, is available in the group of Ilkka Kronholm at the department of Biological and Environmental Sciences at the University of Jyväskylä. Starting data is flexible, preferably beginning of January 2024, for a maximum of fixed term of four years.

The genetics, epigenetics, and evolution group lead by Ilkka Kronholm studies the properties of mutations and spontaneous epigenetic changes, parental effects, and genetic architecture of complex traits. Our research questions are focused on understanding how different intrinsic and extrinsic factors affect evolutionary adaptation. As model systems we use the filamentous fungus Neurospora crassa and fission yeast.

Recent work from the group includes developing mutation accumulation lines for the filamentous fungus Neurospora crassa, and analysis of how chromatin modifications affect mutation rate, see: Villalba de la Peña et al. 2023. Chromatin structure influences rate and spectrum of spontaneous mutations in Neurospora crassa. Genome Research 33: 1-13 https://doi.org/10.1101/gr.276992.122 The researcher will join an ERC-funded project that studies the properties of epistatic interactions. Epistatic effects are non-additive effects of combining two or more mutations. Epistatic interactions are known to play an important part in certain aspects of evolution, such as speciation. However, the role of epistasis in adaptation has remained controversial. In this project, we will measure mutational effects and their interactions in a microbial system. We have previously generated mutation accumulation lines, and we know the mutations that these lines carry. Through genetic analysis, and genotyping by high-throughput sequencing we can estimate effects of individual mutations and their epistatic effects. With our collaborators we can parameterize evolutionary models with the empirical data and model the role of epistasis in adaptation. The doctoral researcher will participate in collecting the phenotypic and genotypic data for these lines and in the analysis. As well as designing and performing new experiments involving these lines.

The doctoral researcher is expected to contribute to the current project, plan and perform research, write manuscripts, and finally a PhD thesis. While the major outlines of the project are fixed, it is possible to tailor parts of the project according to the interests of the candidate. Participating in limited amount of teaching can also be arranged.

You are the person we are looking for if you have a master's degree in evolutionary biology, population genetics, genetics or a related discipline with strong interest in evolutionary genetics. Previous experience with fungal genetics is not required. Experience in analysis of sequencing (NGS) data can be an advantage, as well as good computational skills and solid understanding of statistics, and in particular the R environment. Good written and oral communication skills in English are required. At JYU we value diversity and encourage qualified applicants apply, regardless of their background.

The requirements for graduate studies at the University of Jyväskylä apply (mainly proficiency in English), for further details please see the link in the application. Please note that Finnish is not a language requirement for this position, the information in the University webpage is unfortunately not very clear about this.

What does the University of Jyväskylä offer as an employer?

At the University of Jyväskylä, you are a recognized member of our community with an ample opportunity to be drawn into international research. You get to

participate in our international and multidisciplinary community, where everybody's welfare is essential. You will work in an inspiring and lively campus area and in an environment that supports a healthy and active lifestyle.

Finland has a high standard of living with healthcare, free schooling (also in English), affordable childcare, and good family benefits. The city of Jyväskylä is located in central Finland amidst Finnish lakes and has excellent opportunities for different nature, outdoor, and sports activities. It is a major educational center, whose large student population is responsible for a vibrant cultural scene. To find useful information about the University of Jyväskylä, the City of Jyväskylä, and living in Finland, see the University's International Staff Guide.

The initial annual salary will be approximately 28,000 EUR (gross income, including a holiday bonus). With progress of the thesis work, the salary will be revised in accordance with the Collective Agreement of Finnish Universities. The employment starts with a trial period of six months.

Please attach the following documents to the online application form:

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ULisbon EvolutionaryEcology

Dear Evoldir community,

A fully funded 4-year PhD position is available at the University of Lisbon (cE3c/FCUL) in the Adaptation to Complex Environments research group, starting between October 2023 and February 2024. The PhD project is to be developed within the framework of an ERC starting grant (DYNAMICTRIO), but we welcome the selected candidate to contribute their own perspectives and shape the focus and objectives of their PhD research.

The Adaptation to Complex Environments group focusses on how interactions between species shape the evolutionary trajectory and stability of systems with two or more levels of biological interactions. We use an experimental tri-trophic ecosystem wherein rapid-cyclingBrassica rapaplants are attacked by spider-mites (Tetranychusurticae), while predators (Amblyseiusswirskii) prey on the spider-mites. The aim of the DYNAMICTRIO project is to quantify the impact of ecosystem stability on evolution and to test how evolutionary changes may affect resilience to perturbations. We use a combination of tools, including experimental evolution, theoretical modelling, phenotypic assays, and genomic analyses.

We seek a highly motivated PhD candidate who is interested in working at the interface between ecology and evolution and is enthusiastic about working with a diverse set of organisms. The candidate should be a flexible team player, able to adapt to changing circumstances and new tasks, and open to collaborate with colleagues from different backgrounds. The applicant must hold an MSc degree in evolutionary biology or ecology or a similar field and should have experience in planning and executing laboratorial experiments.

To apply for this position, please followthe link provided below:

https://www.euraxess.pt/jobs/139683 The following documentation needs to be provided in support of the application:

-Curriculum vitae.

-Certificate of completion of MSc degree.

-Motivation letter.

-Contact information for two academic references.

Deadline: 15th September 2023

For any queries please contact: irfragata@fc.ul.pt

This position is funded by an ERC starting grant: https://shorturl.at/vyGP8 . For more information about the group at cE3c/FCUL: https://-ce3c.ciencias.ulisboa.pt/sub-team/ace Inï¿½s Fragata <irfragata@ciencias.ulisboa.pt>

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"Foitzik, Susanne" <foitzik@uni-mainz.de>

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UMainz Germany AntGenomics

Doctoral Researcher Position (PhD): Behavioral, neurobiological, and transcriptomic consequences of genomic changes during the evolution of ant social parasitism

Join our international team as a graduate student to investigate the consequences of genomic changes during the evolution of dulotic social parasitism. Follow up on the recent discovery that these raiding parasites have lost odorant and gustatory receptors and investigate their ability to perceive odors. What are the consequences of these genomic changes for their behavior and processing of odorant information in the brain?

This innovative, interdisciplinary project combines behavioral and neurobiological experiments as well as gene expression and bioinformatics analyses.

To reveal whether hosts can perceive more odors than parasitic ants, we will perform odor perception screens using antennal electrophysiology. We will examine antennal transcriptomes to uncover shifts in the expression of odorant receptor genes. Our goal is also to study brain anatomy to determine whether the loss of odorant receptor genes has led to shifts in the antennal lobes. Finally, candidate genes will be identified and functionally characterized through the RNAi and behavioral screens.

Work in an international team with neurobiologist Carlotta Martelli, evolutionary biologists J??rgen Heinze and Barbara Feldmeyer, and bioinformatician Erich Bornberg-Bauer, and direct supervisor Susanne Foitzik.

Funding is secured over 3 years, and the position could potentially be extended.

You will be integrated into the GenEvo graduate program (https://www.genevo-rtg.de/), which provides a close-knit community of graduate students and molecular and evolutionary biology training and methodological courses such as on bioinformatics.

Applications are open until October 3rd, 2023. To apply, please send a letter of motivation, CV with publication list, and contact information for two reviewers to Susanne Foitzik at foitzik@uni-mainz.de.

Prof. Dr. Susanne Foitzik Institute of Organismic and Molecular Evolution Johannes Gutenberg University Mainz Biozentrum Hanns Dieter H??sch Weg 15 D-55128 Mainz Germany Tel: +49 (0) 6131 39 27 840 Fax: +49 (0)6131 39 27 850 Email: foitzik@uni-mainz.de

UMainz Germany AntSlaveryEvolution

Doctoral Researcher Position (PhD): Consequences of genomic changes during the evolution of ant slavery Join our international team as a graduate student to investigate the consequences genomic changes during the evolution of dulotic social parasitism. Follow up on the recent discovery that slavemaking ants have convergently lost odorant receptors and investigate the ability of these ants to perceive odors. What are the consequences of these changes for their behavior and processing of odorant information in the brain? This innovative project combines behavioral and neurobiological experiments as well as gene expression and bioinformatics analyses. Our aim is to reveal whether hosts can perceive more odors than slavemaking ants, by performing odor perception screens using antennal electrophysiology. We will examine antennal transcriptomes to uncover shifts in the expression of odorant receptor genes. Our goal is also to study brain anatomy to determine whether the loss of odorant receptor genes has led to a reduction in glomeruli in the antennal lobes. Finally, slavemaker specific candidate genes will be identified and functionally characterized through the use of RNAi and behavioral screens. Work in an international team with neurobiologist Carlotta Martelli, evolutionary biologists Jï¿½rgen Heinze and Barbara Feldmeyer, and bioinformatician Erich Bornberg-Bauer, and direct supervisor Susanne Foitzik. Funding is secured over 3 years, and the position could potentially be extended. You will be integrated into the GenEvo graduate program (https://www.genevo-rtg.de/), which provides a close-knit community of graduate students and molecular and evolutionary biology training and methodological courses such as on bioinformatics.

Applications are open until October 1, 2023. To apply, please send a letter of motivation, CV with publication list, and contact information for two reviewers to Susanne Foitzik at foitzik@uni-mainz.de.

Prof. Dr. Susanne Foitzik Institute of Organismic and Molecular Evolution Johannes Gutenberg University Mainz Biozentrum Hanns Dieter Hï¿½sch Weg 15 D-55128 Mainz Germany Tel: +49 (0) 6131 39 27 840 Fax:

+49 (0)6131 39 27 850 Email: foitzik@uni-mainz.de

“Foitzik, Susanne” <foitzik@uni-mainz.de>

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UMiami Bioticinteractions

UMiami.Bioticinteractions_BiogeochemicalCycling

We are looking for PhD students interested in joining our research group at University of Miami (amyzanne.org).

Students would join an interactive lab group and develop an independent research focus in line with ongoing lab projects.

Broadly we study how biotic interactions impact biogeochemical cycles. Many in our group explore how plant construction influences community structure and function (from morphology to genes) of biotic decay agents, such as microbes and termites. Our lab also examines the consequences of these interactions for ecosystem carbon and nutrient cycles, especially in USA, Australia, Chile and Brazil as climate changes.

New lab projects will be based in the New World Tropics including south Florida coastal systems, Chilean fjords and Antarctica coastal systems in collaboration with Eduardo Castro (University of Talca) and Brazilian savannas and wetlands in collaboration with Rafael Oliveira and Natashi Pilon (University of Campinas).

Other lab projects include solar radiation impacts on litter and wood decay, microbiome assembly on leaves and fruits, and macroevolution and functional ecology of plants, termites and microbes around the globe.

The fully funded graduate program will be completed at University of Miami. If you are interested in working with us, send an email to me (Amy Zanne: aezanne@gmail.com) with brief details about your research interests and experiences, why our group is a fit for you and why you want to go to graduate school. A TOEFL exam may be required depending on applicant background.

For information about applying to the program, go to the University of Miami, Department of Biology website (https://biology.as.miami.edu/graduate/-index.html). For fall 2024 admission, the application deadline is 1 December 2023. Students from Brazil and Chile especially encouraged to apply. I am happy to answer any further questions you might have.

Amy Zanne <aezanne@gmail.com>

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UOslo EvolutionaryBiology

Applications are invited for a position as PhD Research Fellow in Evolutionary Biology available at the Natural History Museum (NHM) at the University of Oslo.

The fellowship period is 4 years including 25% duty work that may consist of collection work, teaching, supervision duties and/or research assistance depending on the needs of NHM and the applicant’s qualification.

The goal of the PhD project is to investigate whether intraspecific variation within mammalian lineages play a crucial role in predicting evolutionary differences between mammalian species. The project involves characterizing the phenome of mammalian skulls and postcranial elements using techniques such as photogrammetry, automated landmark annotation, and geometric morphometrics. Data will be analyzed using evolutionary quantitative genetics and phylogenetic comparative methods.

For more information and how to apply, please go to https://www.jobbnorge.no/en/available-jobs/job/-250273/phd-research-fellow-in-evolutionary-biology Kjetil Lysne Voje Associate Professor Natural History Museum Oslo University of Oslo

k.l.voje@nhm.uio.no

https://kjetillysnevoje.wordpress.com/ Kjetil Lysne Voje <k.l.voje@nhm.uio.no>

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UOslo SystematicMycology

PhD UOslo: Systematic Mycology

https://www.jobbnorge.no/en/available-jobs/job/-248954/phd-research-fellow-in-systematic-mycology Job description At the Natural History Museum (NHM), University of Oslo (UiO), we have a vacancy

for a four-year PhD research Fellow in Systematic Mycology. The position includes one year of duty work (distributed over the employment period) that includes various meriting activities (e.g., teaching, specimen curation, outreach activities, and student supervision). Starting date: January 1st 2024, or as soon as possible thereafter.

More about the position This PhD opportunity allows you to engage in a self-developed and innovative systematics research project on fungi, or plants in combination with fungi. The successful candidate for this position will work in close collaboration with staff members of the ISOP research group, primarily with Mika Bendiksby and Charlotte BjorÃ¥. In our research, we focus on the discovery, understanding, protection, and utility of fungal and plant diversity. We often use a phylogenetic approach on genomic data to study a range of biological aspects in fungi and plants, and fungarium- and herbarium specimens are important data sources and depositories in our research. An ideal project will effectively utilize NHMs fungal and/or plant collections, include fieldwork for collecting new materials, and align with our research profiles and ongoing activities. The ISOP group has a strong record for field-based research in the Arctic, Nordic countries, east- and southern Africa, and Indonesia. It is desirable that the proposed PhD project aligns well also with at least one of the research themes at our museum-wide research hub STADIS. The hub focuses on stability and discontinuity within and between different biological system levels, such as genomes, phenotypes, species, communities, and ecosystems. For almost 200 years, specimens of fungi and plants have been collected, studied and preserved at NHM. The improvement, maintenance and use of scientific collections is central to our work. The herbarium and fungarium comprise over 1.2 million plants and 600,000 fungal specimens, of which the majority are Nordic. The museum provides excellent research facilities in-house, including various molecular- and microscopy laboratories. NHM has ten research groups that pursue research and education within basic and advanced biosystematics and biodiversity as well as geological studies.

Qualification requirements The candidate must have:

* A degree equivalent to a Norwegian master's (MSc) in biology. Other relevant backgrounds might be considered upon individual evaluation. For candidates not having finished their master's degree, the thesis must have been submitted for evaluation by the closing date of the call. It is a condition of employment that the master's degree has been awarded with at least an equivalent to grade B in the ECTS grading scale. * The ability to work independently and in a structured manner * The ability to cooperate with others * Excellent communication skills (including written and spoken English)

It is preferable that the candidate has (and can document) one or more of the following competences:

* A degree equivalent to a Norwegian master's (MSc) in systematic mycology/botany * Knowledge and research experience with DNA-based techniques applied in biosystematics and biodiversity studies * Experience in relevant analytical/statistical methods and bioinformatics tools (e.g., phylogenetics, R) * Data management skills following best reproducible open science practices * Experience with microscopy * Ability to do field work in remote and potentially challenging environments * Hold a driver's license * Experience with scientific publication and outreach * Experience in collection-based research (using physical and/or digital specimen data) * Strong team- and networking skills

Personal skills We are looking for a highly motivated, creative, and structured candidate with excellent collaborative qualities. Research experience, ambitions, and potential will also count when evaluating the candidates.

We offer

* a dynamic, friendly and professionally stimulating working environment * salary NOK 532 200 - 575 400 per annum depending on qualifications and seniority as PhD Research Fellow (position code 1017) * membership in the Norwegian Public Service Pension Fund * attractive welfare benefits

How to apply The application must include the following six elements as separate documents:

* A one-page (maximum) application/cover letter with a brief account of your motivation for applying for the position

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UPittsburgh EvolutionOfPolyploidy

PhD opportunity in Evolutionary Ecology

The Ashman and Turcotte labs at the University of Pittsburgh are looking to co-advise a PhD student interested in ecological and evolutionary impacts of whole

genome duplication (polyploidy). The student will utilize our rapidly growing experimental duckweed system to test various hypotheses concerning the benefits and limitations of this widespread important major evolutionary change. Projects will involve species interactions and will especially appeal to those interested in plant-microbial, plant-herbivore, and plant-plant interactions, as well as of intraspecific variation in these. Additional opportunities exist for involvement in genomic and gene expression studies.

Please visit our lab webpages for more information: https://ashmanlab2012.wixsite.com/ashmanlab www.martinturcotte.net The Department of Biological Sciences is a dynamic and growing team of enthusiastic researchers and educators. All graduate students in the department are provided with a competitive stipend and benefits for 5 years through a combination of fellowships, TAships, and research assistantships.

Prospective students should email us: tia1@pitt.edu and turcotte@pitt.edu to express interest and describe your past research experience. Please include your C.V., any publications, and contact information for a few references.

Tia-Lynn Ashman, Ph.D., Distinguished Professor Martin Turcotte, Ph.D., Assistant Professor Department of Biological Sciences University of Pittsburgh

“Turcotte, Martin” <TURCOTTE@pitt.edu>

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UPittsburgh ExpEvolutionPollution

PhD opportunity in Evolutionary Ecology

The Turcotte Lab of Experimental Evolutionary Ecology at the University of Pittsburgh is looking for a PhD student interested in studying rapid evolution in response to environmental pollution using experimental evolution. The research would utilize our rapid and manipulatable duckweed system allowing for a combination of field, mesocosm, and lab experiments.

Please visit the lab webpage for more information: www.martinturcotte.net The Department of Biological Sciences is a dynamic and growing team of enthusiastic researchers and educators. The department also runs the Pymatuning Lab of Ecology, which is equipped with lab space and housing to facilitate field-based research in northwestern Pennsylvania. The City of Pittsburgh is a vibrant and beautiful place to live. All graduate students in the department are provided with a competitive stipend and benefits for 5 years through a combination of fellowships, TAships, and research assistantships.

Prospective students should email me at: turcotte@pitt.edu with a short paragraph stating why you are interested in the lab and describe your past research experience. Please include your C.V., any publications, and contact information for a few references.

Martin Turcotte, Ph.D. Assistant Professor, Department of Biological Sciences University of Pittsburgh

“Turcotte, Martin” <TURCOTTE@pitt.edu>

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USouthBohemia Czechia ProtistEvoMolBiology

Laboratory of Molecular Biology of Protists of the Institute of Parasitology, Biology Centre, Czech Academy of Sciences and Department of Molecular Biology and Genetics, Faculty of Science, University of South Bohemia in -esk?? Bud??jovice are looking for highly motivated candidates for a PhD position in Protist Molecular Biology.

We are a well-established laboratory studying several molecular aspects of (mostly) parasitic protists. We are interested in various aspects of biology of the trypanosomatid and diplonemid flagellates. These are protists that branched off the main eukaryotic lineage and contain numerous departures from the prototypical eukaryotic cell. In trypanosomes we explore (by knock-downs and -ins, tagging, overexpression) proteins involved in RNA editing, tRNA import and modifications, heme metabolism, and mitochondrial morphogenesis. In diplonemids we explore their evolution, diversity, morphology, metabolism, and structure of mitoribosomes.

More info: (https://www.paru.cas.cz/en/sections/-molecular-parasitology/laboratory-of-molecular-biology-of-protists/).

The joint University and Academy campus in -esk?? Bud??jovice provides a vibrant research environment.

The research topic will be focused on various aspects of molecular biology of marine protists (for publications see here: https://www.paru.cas.cz/-

en/sections/molecular-parasitology/laboratory-of-molecular-biology-of-protists/list-of-publications/).

What do we offer

- we possess a strong and continuous funding, which allows to supplement the standard PhD salary

- PhD fellowship & part-time job employment on research grants

- support for career development and mentoring

- stimulating English language environment

- international team and collaboration and opportunities to travel

- meals allowance, full health insurance, student benefits,

- administration support with relocation & settlement in the Czech Republic,

- work-life balance in a middle-sized university city offering options for outdoor, sport & cultural activities.

Requirements

- Master degree in Life Sciences

- strong interest in research

- fluency in English

- flexibility and ability to work both independently and in a team

THE APPLICATION DEADLINE IS Sept 30 2023.

Preferred starting date is autumn/winter 2023 but is negotiable.

To apply please send your application including a complete CV, a copy of your degree certificate (the master degree in Life Sciences is required), a letter detailing your motivation to apply with a concise summary of your previous research activities, and contact information of one referee to veronikaprantlova@gmail.com

Please note that selected candidate will also need to submit an application for admission as a graduate student. More information : https://www.prf.jcu.cz/data/files/-8/148/153/4340prihlaskaeng2019.pdf Butenko Anzhelika <anzhelika.butenko@paru.cas.cz>

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USouthCarolina PlantEcolEvolGenetics

The Toll lab at the University of South Carolina is recruiting graduate students (master's or PhD). Students will develop a project on the genetic basis or ecological significance of traits underlying adaptation and speciation in monkeyflowers. Monkeyflowers (*Mimulus*, *Erythranthe*, *Diplacus*) are an ecological genetic model system with a wealth of natural phenotypic, genetic, and ecological (life history, mating system, habitat, etc.) diversity, coupled with genomic tools to address fundamental evolutionary questions. We are currently working on projects about the genetic basis of abiotic and biotic stress tolerance, adaptive divergence and the coexistence of closely related species, and ecological specialization and endemism to harsh and unusual soils.

The Department of Biological Sciences at the University of South Carolina has a great ecology and evolution group and a large graduate student community. In addition to our lab, there are many related labs including the labs of Drs. Carrie Wessinger (plant evolution, pollination), Brian Hollis (speciation, evolutionary genetics), and Eric LoPresti (plant-insect ecology and evolution). Columbia is a small city with many parks within the city boundaries and Congaree National Park less than half-hour away, with Charleston, Charlotte, and Greenville also within a couple hours. The cost of living is very reasonable and stipends for graduate students are competitive ($26,000/year for master's and PhD students).

A bachelor's degree in biology and an interest in plant ecology and evolutionary genetics is required. Previous experience with any of the following is preferred but not required: plant growth, molecular biology lab work, bioinformatics, and field experience. I encourage all interested students to reach out, nomatter your background, GPA in college, or country of residence. We do not require GRE scores for applicants and consider both potential master's and doctoral students equally. In addition, the graduate school is waiving all graduate application fees this year.

Katherine Toll

Incoming Assistant Professor (January 2024)

Department of Biological Sciences

University of South Carolina

Email: ktoll@mailbox.sc.edu

Website: https://sites.google.com/view/katherinetoll/
Katherine Toll <tollkath@gmail.com>

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UToronto Mississauga InvertSystematics

We are currently looking for graduate students to join our team in invertebrate systematics and genomics at the University of Toronto Mississauga (UTM) for fall 2024. At the broadest level, our group applies omics tools to advance understanding of invertebrate diversity and the underlying evolutionary and ecological processes generating this diversity. We have a particular interest in molluscan systems (marine, freshwater and terrestrial) but we welcome candidates with diverse interests and questions spanning any invertebrate group and bridging macro and microevolutionary scales. Our current projects include: resolving the phylogeny of hyperdiverse molluscs and the role of introgression in shaping these patterns, identifying the genomic basis of colour pattern variation in aposematic molluscs,and understanding adaptive capacity and its role in climate change response in endangered molluscs.

Applications are due to the university by the end of the calendar year, but first, students should reach out to me (karakslayton@gmail.com) to discuss. When reaching out, please attach a short CV and a few sentences describing your research interests and motivation for pursuing graduate studies. Our group welcomes, supports and encourages diversity in academia. Please don't hesitate to ask how my supervisory approach, and the research group more broadly, can best meet your needs.

We are located in the Department of Biology at UTM but graduate students will be enrolled in the Ecology and Evolutionary Biology (EEB) program that spans all three campuses of UT. The EEB graduate student community is vibrant and diverse and UTM is a beautiful, urban campus surrounded by acres of green space, forest and the Credit River. Students can take advantage of the shuttle bus that runs between the St. George campus (UTSG) and UTM. For more information, please see https://www.utm.utoronto.ca/biology/ I look forward to hearing from you!

Dr. Kara Layton Lecturer (Asst. Professor) in Marine Biology School of Biological Sciences University of Aberdeen

Aberdeen, AB24 2TZ United Kingdom

E: kara.layton@abdn.ac.uk W: https://www.laytonlab.com/ T: @molluscular

Kara Layton <karakslayton@gmail.com>

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UTurku PasserineEvolution

Project researcher/ Doctoral researcher position in ecology - 44 months

PhD subject: Characterising thermal stress response in passerines: from underlying mechanisms to evolutionary consequences.

Introduction

The University of Turku is an inspiring and international academic community of 25,000 students and staff in Southwest Finland. We build a sustainable future with multidisciplinary research, education, and collaboration. With us, your work will have a significant impact and relevance in the changing world.

Project

Our ability to quantify and predict the magnitude of environmental global changes effects represents one of the major challenges of the 21st century. These changes are characterised by a gradual increase of ambient temperature through time, but also leading to an increased frequency of climate anomalies, such as heat waves. Habitat urbanisation, in particular, is a key driver of the increase of ambient temperature. The magnitude of such ambient temperature alterations also depends on latitudinal gradients. These temperature changes can drastically modify the phenology of species, their geographic distribution, food webs, interspecific interactions, but also life history trajectories, behaviour and physiology of individuals. Evidence suggests a central role of plasticity and local adaptation in species' responses to temperature changes. Yet, plasticity will be constrained by environmental gradients, and endotherms capacities to adapt to thermal stress remain poorly understood. In an urbanisation context along a latitudinal gradient, the aim of this project is to evaluate the harmful repercussions of pre and post-natal effects of thermal stress on the physiology of organisms, behaviour and on

their life history trajectories (reproduction and survival). Using a multidisciplinary and integrative approach on Great tits, this project aims to assess effects of thermal stress on different molecular and physiological mechanisms (metabolic rates, mitochondrial function, markers of ageing, stress, Hsp expression) by manipulating temperature under common garden conditions, during development and growth period and follow various life history traits such as growth and survival patterns.

This project will take place at the University of Turku - Finland, and the University of Strasbourg -France. The PhD candidate will benefit from co-tutoring (co-tutelle) between the two Universities and be supervised by Dr Sophie Reichert, Dr Antoine Stier, Pr Sylvie Massemin and Dr Suvi Ruuskanen. Starting date: December 2023 or January 2024.

Job description

Main activities will include:

- Conducting experiments on birds in aviaries and in the wild.

- Participating in field work in and around Strasbourg (France), Turku and Jyväskylä (Finland)

- Lab work (ageing markers, stress markers analyses).

- Analysing data and writing publications

- Contributing to the research and social environment of the University of Turku and University of Strasbourg (DEPE-IPHC).

Qualifications

The applicant must have an MSc (or equivalent) in biology/ecology/ecophysiology or related subjects with excellent grades, a passion for studying wild animals in their natural environment, a strong work ethic. Experience with bird handling and/or fieldwork, bird physiology, lab work are highly desirable. This project would require knowledge of statistical analyses and previous experience with R software. A full driver's license is needed. Strong communication skills, with abilities to speak and write in English.

Desirable qualifications

We are looking for a candidate with a clear capacity to self-organize, and a communicative personality who works team-oriented. We value equality and diversity in our work community and encourage qualified applicants, regardless of background, to apply for our open positions.

We offer: The duration of the position is 44 months.

Salaries

The salary for the position is determined in accordance with the university salary system for research personnel. For project researcher salary follows the levels 2-4 of teaching and research staff (2182,19 - 2720,86 EUR/month). In addition, a personal work performance component will be paid. The personal work performance component is 6-50% of the task specific salary component. The starting salary is ca. 2500 euro .

Trial period: The trial period will be six months.

How to apply

Applications must include a motivation letter in English describing your motivation, research interests and previous relevant experience with respect to the above listed requirements; Curriculum vitae including contacts of two referents; copies of MSc/BSc Diploma certificates.

The application should be submitted between the 02.10.2023 and no later than Wednesday 18.10.2023 (23:59; UTC+2) at the University's electronic recruitment system at

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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

UValencia EvolutionaryParasitology

We offer a 3+1 year PhD position in Ecological and Evolutionary Parasitology starting December 1st. This is a predoctoral contract (FPI fellowship) associated with the research project "Evolutionary and ecological determinants of specialization: Disentangling the drivers of host specificity in a fish-monogenean model" funded by the Ministry of Science and Innovation of Spain.

We seek a highly motivated graduate student interested in the ecology and evolution of fish parasites to study the determinants of ecological specialization. The research team is composed by faculty from four different centers across Europe: The Cavanilles Institute of Biodiversity and Evolutionary Biology (University of Valencia, Spain), the Observatoire Océanologique de Banyuls (Sorbonne Université, France), the Institute of Oceanography and Fisheries (Croatia), and the Institute of Parasitology (Biology Centre, Czechia).

The successful candidate will be trained in molecular biology, bioinformatics, microscopy and taxonomy of

fish parasites. The results of their research will help determine why and how some parasite species become highly specialized in a single host species, as opposed to others that readily infect a wider range of host species. The system under study involves Mediterranean sparid fish and monogeneans of the genus Lamellodiscus.

The primary research activities will be based at the Cavanilles Institute, situated in the Paterna-Burjassot campus. Additionally, as an integral part of the PhD program, stays abroad and visits to our partner laboratories will also be scheduled.

We have a strong track record of accommodating both international and local students, fostering a culture that values diversity and actively promotes international applications. Please address any additional enquiry to Juan Antonio Balbuena (j.a.balbuena@uv.es) or Ignasi Lucas (joiglu@uv.es).

Dr. Juan A. Balbuena Cavanilles Institute of Biodiversity and Evolutionary Biology Computational Biology Lab University of Valencia http://www.uv.es/~balbuena P.O. Box 22085 http://www.uv.es/cophylpaco 46071 Valencia, Spain https://github.com/Ligophorus e-mail: j.a.balbuena@uv.es tel. +34 963 543 658——— fax +34 963 543 733

*NOTE!*For shipments by EXPRESS COURIER use the following street address: C/ Catedrático José Beltrán 2, 46980 Paterna (Valencia), Spain.

Juan Antonio Balbuena <j.a.balbuena@uv.es>

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

UZaragoza Spain GrassFungalCoevolution

We are currently seeking an enthusiastic and motivated PhD student to join our Bioflora research group to work with us on co-evolution and adaptive speciation of pooid grasses and their fungal endophytes. We invite applications from ambitious candidates with relevant research experience and passion to conduct research and innovation activities on the framework of a project funded by the Spanish Ministry of Science and Innovation (PID2022-140074NB- I00). The main objective of this research is to advance knowledge on the potential large extent of lateral gene transfer (LGT) in pooids and how this mechanism has contributed to generating evolutionary novelty, and on potential co-evolution of grass-Epichloï¿½ holobionts and how this phenomenon has additionally contributed to the success of adaptive speciation in the temperate grasses. The specific objectives aim to (i) generate a large representative pan-genome and pan- transcriptome evolutionary framework of Pooideae for robust analysis of LGT events between phylogenetically distant lineages using newly sequenced genomes of Loliinae and Brachypodium species plus available genomes of other grass tribes, (ii) identify confident LGT events in Pooideae through comparative genome analyses using genome synteny, mapping, and coding-sequence scanning approaches, and phylogenetic filtering, (iii) analyze the level of expression of the laterally-transferred encoding genes in the recipient species and of the native genes, and identify the biological functions of the LGT genes that confer evolutionary novelty and putative enhanced adaptability, (iv) characterize the nature and abundance of transposon families across the analyzed genomes and lineages, and identify possible horizontal transposon transfer (HTT) linked to LGT and their potential effect on gene expression, and (v) search for potential horizontal gene transfer (HGT) events of fungal endophyte genes into the pooid genomes through comparative genomic analyses of grass genomes and newly generated and available Epichloï¿½ genomes and evaluate the expression levels of foreign genes and the potential evolutionary adaptive advantages conferred to the plant.

PhD characteristics: - Cotutored PhD thesis. Supervisor/s: Prof. Pilar Catalan (University of Zaragoza) and Prof. Jianquan Liu (Lanzhou University) - Job location: High Polytechnic School of Huesca, University of Zaragoza, Huesca (Spain) - Full-time position (37.5 h/week) - Terms of appointment: The duration of the PhD candidate contract will be for four years.

Tasks and responsabilities: The ones corresponding to a PhD student. The selected candidate will be enrolled at the PhD program of Agricultural and Environmental Sciences in the University of Zaragoza and will need to fulfil the academic requirements of the PhD program. The specific tasks include: - Perform literature review, field, garden and growth chamber work, laboratory analyses, and data collection and management. - Perform genomic assembly and annotations, comparative genomics, phylogenomics and population genomics. - Write Scientific articles - Contribute to the teamwork and team-spirit in the research line.

Required qualifications and experience: Candidates must hold one of the following - BSc degree: Biological Sciences, Agronomy, Biotechnology or similar. - Master degree: Plant genetics, Evolution, Biodiversity, Plant breeding or similar Candidates must be in a position to

access a doctoral program according to the requirements of Spanish universities (accrediting between 60 and 120 ECTS credits at an official university master's degree level or equivalent).

Candidates should not have a previous PhD degree. Desirable requirements: - Proficiency in English - Analytical and organizational capacities - Good communication skills - Ability to work as part of a team - Driver license

Application process: If you wish to be considered for this position, please, send an email message to Prof. Pilar Catalan (pcatalan@unizar.es) to the job post with reference FPI-PID2022-140074NB-I00 and upload your CV and motivation letter. All information will be treated in the strictest confidence.

Miguel Campos <minutoides@gmail.com>

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Vienna PolygenicAdaptation

Reminder:

Apply by September 17, 2023

PhD positions are available within the *Special Research Program (SFB)* < https://www.vetmeduni.ac.at/sfb-polygenic-adaptation >* "Polygenic adaptation: from single selected loci to the infinitesimal model" in Vienna, Austria*. Vienna is on top of the world's most liveable cities and home to one of the largest communities of evolutionary research in Europe (www.evolVienna.at).

The SFB program is funded by the Austrian Science Fund (FWF) and brings together eight research groups at four institutions in and around Vienna with the common goal of elucidating the evolutionary genetics of adaptation of complex phenotypes: *Neda Barghi* < https://www.vetmeduni.ac.at/en/population-genetics/research/barghi-lab/group-leader > *, **Robert Kofler* < https://www.vetmeduni.ac.at/en/-population-genetics/research/kofler-lab >*, **Christian Schlötterer* < https://www.vetmeduni.ac.at/en/-population-genetics/research/schloetterer-lab > * (Vetmeduni); **Joachim Hermisson* < https://-www.mabs.at/team/ >*, **Himani Sachdeva* < https://www.mabs.at/team/ >* (Univ. of Vienna); **Magnus Nordborg* < https://www.oeaw.ac.at/-gmi/research/research-groups/magnus-nordborg/ >*, **Kelly Swarts* < https://www.oeaw.ac.at/gmi/-research/research-groups/kelly-swarts >* (Gregor Mendel Institute); **Nick Barton* < https://-bartongroup.pages.ist.ac.at/people/group-leader/ >* (ISTA)*. For young scientists, this cluster offers a unique environment for interaction and personal growth.

The SFB aims to develop a framework for understanding polygenic adaptation and to establish new standards for the analysis of adaptive polygenic traits in GWAS and experimental evolution studies. We will combine model-based conceptual work and data-driven approaches from GWAS and experimental evolution to achieve this goal. The models and methods that will be developed integrate population genetic and quantitative genetic approaches to detect, analyze, and interpret genomic patterns of the "architecture of polygenic adaptation".

*SFB - a collaborative environment for research and learning: *The theoretical and empirical projects of the SFB are highly synergistic and the collaborative nature of the SFB will provide an inspiring academic environment and promote curiosity-driven research. The interaction between projects of the SFB is strongly facilitated by a long-standing track record of fruitful interactions among the PIs. The PhD students and postdocs in the SFB will benefit enormously from these tight interactions.

To ensure a good integration of experiment and theory, researchers have the opportunity to spend some time in a group from the other "camp". These regular exchanges will improve the mutual understanding of concepts and problems, ensure that the theoretical work is guided by experiments (and vice versa) and will represent a true added value of the SFB. In addition to the formal supervisor, both PhD students and postdocs will have at least one co-advisor with complementary expertise.

*Courses: *The recruited early-stage researchers in the SFB will have the opportunity to acquire experience beyond their own projects and working groups.

The SFB PIs participate in joint teaching activities and representatives of all institutions are contributing to the Vienna Graduate School of Population Genetics (www.popgen-vienna.at). The PhD students will be integrated in the Vienna Graduate School of Population Genetics, which offers a 5-week introductory course that covers subjects as diverse as statistics, population genetics, Drosophila genetics, programming, NGS data analysis (both DNA- and RNA-Seq) and quantitative genetics.

SFB postdocs will have the opportunity to participate in the teaching in introductory course in their areas

of expertise. But at the same time can attend specific modules of the introductory course together with the PhD students. This joint event will have a tremendous impact on team-building and can enable scientists from different host institutions to establish strong ties which can result in research collaborations.

The IST Graduate School offers more advanced courses in evolutionary

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Vienna PopulationGenetics

reminder: apply by Sept. 17

Over the past years, Vienna has developed into one of the leading centres 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.

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:

- Adaptation from reduced genetic variation. - Evolution from de novo mutations - influence of elevated mutation rates. - Evolution of sex-specific neuronal signaling. - Genomic and phenotypic patterns of adaptation in large experimentally evolved populations. - Inference of selection signatures from time-series data. - Long-term dynamics of local Drosophila populations. - Speciation from standing genetic variation. - Studying the evolution of gene expression with single cell RNA-Seq. - The extent of genetic redundancy in polygenic adaptation.

Only complete applications (application form, CV, motivation letter, university certificates, indication of the two preferred topics in a single pdf) received by *September 17, 2023* 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 2.464,80 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 Dr. Julia Hosp

Vienna Graduate School of Population Genetics Coordinator

www.popgen-vienna.at https://twitter.com/-PopGenViennaPhD c/o Institut für Mathematik, Universität Wien & Institut für Populationsgenetik, Veterinärmedizinische Universität Wien

T +43 1 25077 4302

"Julia.Hosp@vetmeduni.ac.at"
<Julia.Hosp@vetmeduni.ac.at>

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VrijeU Brussel Two SexChromosomeEvolution

Two graduate positions: Vrije Universiteit Brussel_Evolution_sex chromosome dynamics_heterochiasmy

2 ERC-grant funded PhD positions are available in the Ma lab (https://www.wmalab.com) at Vrije Universiteit Brussel (VUB), situated in the heart of Brussels, Belgium.The doctoral degree and coursework will be based in the Biology Department (https://we.vub.ac.be/en/-biology-department) at VUB.

The Ma lab is interested in how sex chromosomes evolve, and why the evolutionary trajectories of sex chromosomes differ dramatically across eukaryotes. For example, sex determination is very labile in reptiles, amphibians and fishes but highly stable in mammals and most birds. We study the drivers of sex chromosome recombination suppression, the genomic signature, and the evolution and genomic basis of sex determination as well as endosymbiont manipulation of host reproduction. We integrate comparative and functional genomics, transcriptomics, molecular genetics, artificial selection, and fieldwork sampling to reveal the genomic signature and genetic architecture of sex.

We strive to create a diverse, inclusive and highly interactive and collaborative lab culture. We welcome and encourage students and researchers from diverse cultural, racial and economic backgrounds to join our

lab. Your values and options matter to us and will help us shape our inclusive, constructive and collaborative lab environment. If this is something resonant to you, please consider applying for PhD positions below.

PhD position 1: Evolution and genetic drivers of sex chromosome dynamics

Unlike highly degenerated Y and W chromosomes in mammals and birds, many non-model organisms have shown a huge diversity in sex chromosome differentiation rate and genetic mechanism. Specifically, in amphibians, fishes, many reptiles and angiosperm plants, sex chromosomes are little degenerated and remain largely identical in size. Fascinatingly, many of these lineages show a frequent birth and death of sex chromosomes (turnover). The reason why sex chromosome evolutionary trajectories differ so dramatically across eukaryotes is an unresolved and fundamental question in evolutionary biology.

Frogs are excellent systems for advancing our understanding of sex chromosome diversity and evolution.This project will be focusing on identifying sex chromosome systems in various frog lineages in a phylogenetic framework and investigate the underlying evolutionary forces and genetic drivers for the frequent birth and death of sex chromosomes, involving functional molecular work on key candidate genes.

Applicants from a variety of backgrounds are welcome, but we are particularly interested in those with a strong interest in field sampling, evolution, genetics & genomics, and molecular biology.

Apply via VUB link (https://jobs.vub.be/job/-Elsene-Scholarship-in-Biology-evolution-and-genetic-drivers-of-sex-chromosome-dynamics/976692601/) by 10/October/2023:

1) a cover letter expressing your interest, your qualifications for the position, and your future career goals

2) your CV

3) a copy of your Master degree diploma and master transcripts

4) contact information of 2-3 professional references.

PhD position 2:Evolution of heterochiasmy and sex chromosomes in frogs and beyond

Males and females can have very different recombination patterns and rates during meiosis. Such heterochiasmy is extreme in many frog lineages, with one sex primarily recombining close to telomeres and the other showing even recombination across the chromosomes. However, these patterns do not always associate with the heterogametic sex (the XY or ZW individuals). Sexual dimorphism in recombination may be a by-product of mechanistic differences between male and female meiosis, or it may be adaptive and selected to promote tight linkage of sex-beneficial alleles on the Y or W chromosome.However, neither of these hypotheses can adequately explain sex differences in recombination in all animals. In various lineages, sex differences in recombination can vary in degree and direction even between closely related species.

This project aims to reveal the evolution and genetic mechanism of extreme heterochiasmy, and understand the interplay between the extreme heterochiasmy, sex chromosome recombination suppression and evolutionary dynamics of sex chromosomes in various frog lineages but can also extend beyond frogs into other animal/plant lineages.

Applicants from a variety of backgrounds are welcome to apply, but we are particularly interested in those with a strong interest in evolution, genetics, cytogenetic and/or theoretical biology, and molecular biology.

Apply via VUB link

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Warsaw EvolutionFlightlessArhtropods

Project title: Ring species and mixed geographic modes of speciation: what drives evolution of flightless arthropods in the Central Asian arid zone - using an extremely diverse tribe Dorcadionini (Coleoptera: Cerambycidae) as a model group

Offer: “We are looking for a highly motivated PhD student to participate in the project funded by the National Science Centre, Poland (”Ring species and mixed geographic modes of speciation: what drives evolution of flightless arthropods in the Central Asian arid zone - using an extremely diverse tribe Dorcadionini (Coleoptera: Cerambycidae) as a model group“).

A four-year, fully-funded PhD student position will be carried out at the Museum and Institute of Zoology, Polish Academy of Sciences in Warsaw, Poland. Candidates selected for the

PhD position will be asked to apply to the Bio-Planet School (https://szkoladoktorska-bioplanet.pl/-en/admissions/proposed-research-topics/) and participate in the entrance examination (via Zoom/Microsoft Teams). The school does not charge tuition fees and provides compulsory and optional courses (conducted in English) for doctoral students. Moreover, the selected student will be involved in three fully funded sampling expeditions to the region of Central Asian: Mongolia, Kazakhstan, and Kyrgyzstan!

Application deadline: 15 Sep 2023.

More details at: https://szkoladoktorska-bioplanet.pl/-en/admissions/proposed-research-topics/ https:/-/sites.google.com/view/lech-karpinski-phd/home/-projects/sonata-18/phd-student-position?authuser=0" Lech Karpiñski, PhD

Assistant Professor Adjunct Museum and Institute of Zoology Department of Entomology Polish Academy of Sciences Michigan State University Wilcza 64, 00-679 Warsaw, Poland 288 Farm Ln, East Lansing, MI 48823, USA

+48 226293221 +1 (517) 355-4663

Lech Karpiñski <lechkarpinski@gmail.com>

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WilliamAndMary Virginia PlantEvolution

MS graduate position in Biology with focus on plant and microbiome genomics

The Puzey and Dalgleish Labs (https://-puzeylab.weebly.com) are looking for one new M.S. graduate student to begin in Fall 2024. We are looking for students who are passionate about plants, conservation, and genomics. We have a newly funded project studying taro on the islands of French Polynesia. Specifically, using a genomic approach, we are seeking to understand the connection between, taro's introduction history, population genetics, cultivation practices, and soil microbiome. Experience with Python and/or R is desirable.

Please email Josh Puzey (jrpuzey@wm.edu) for additional information.

Chartered in 1693, William and Mary (W&M) is the second oldest school in the US and located in historic Williamsburg, VA. W&M offers a two-year, research-intensive M.S. program where students are supported by teaching assistantships and full tuition waivers. For many students, getting a Master's degree in two years while earning grants and publications allows them to gain admittance to high-profile Ph.D. programs or take that next career step.

Additional information can be found: https://-www.wm.edu/as/biology/graduate/index.php The GRE is not required for admission.

"Puzey, Joshua" <jrpuzey@wm.edu>

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Jobs

AgnesScottC Atlanta Bioinformatics

Position: Assistant Professor in Bioinformatics Type: Tenure-track Faculty Department/Program: Biology

The Agnes Scott College Biology Department invites applications for a tenure-track position at the Assistant Professor level in bioinformatics or related area to begin August of 2024. The ideal candidate will carry out original research that will incorporate undergraduates. The biology department faculty retain research laboratories and collaborative efforts may be forged with other local institutions. The successful candidate will have a Ph.D. by August of 2024. Post-doctoral and teaching experience is desired. Applicants should demonstrate a commitment to work with a socially and economically diverse student population

We seek a broadly-trained biologist who will excel in inclusive, undergraduate teaching and engage undergraduate students in their productive research program. In addition to the biology major program, the biology department contributes to programs in neuroscience, biochemistry and molecular biology, environmental and sustainability studies, and public health. The 3/2 teaching load includes Introductory Biology, Bioinformatics, Molecular Genetics, a senior seminar course, courses in areas of specialty, and contribution to SUMMIT, the college's global learning and leadership development initiative.

The college is committed to providing its faculty with a supportive academic environment that includes a balance of teaching, research, and service. Evaluations for promotion and tenure consider excellence in undergraduate teaching, establishing an effective and sustainable research program that is accessible to undergraduates, and service to students, the biology department, and the college. Support for faculty research and development includes travel funds, a one-semester research leave after successful completion of the third-year review, a post-tenure sabbatical program, and the opportunity to apply for internal professional development awards.

To apply, e-mail curriculum vitae, teaching statement, research statement, diversity statement,and three letters of recommendation to:Prof. Lock Rogers, Chair, Department of Biology, . Teaching evaluations will be solicited from selected candidates later in the hiring process. Review of applications will begin on October 1, 2023.

Agnes Scott College is a highly selective, independent, national liberal arts college for women located in metropolitan Atlanta, a cosmopolitan and ethnically diverse region with a vibrant cultural life. The college has been nationally recognized for innovation, a highly

diverse student population, and excellence in teaching and is committed to providing its faculty with a supportive academic environment. All faculty reviews evaluate the candidate's performance in the areas of teaching, scholarship, and service, with the highest priority given to teaching. Support for faculty development includes travel funding, a one-semester research leave at full pay after successful completion of the third-year review, a post-tenure sabbatical program, and the opportunity to apply for internal professional development awards. An equal opportunity employer, Agnes Scott College does not discriminate on the basis of race, color, national origin, religion, sex, sexual orientation, age, veteran status, disability or genetic information, gender identity, gender expression or any other characteristic protected by law in its employment. Agnes Scott College has a strong commitment to diversity and urges members of underrepresented groups to apply.

Jennifer Kovacs <jkovacs@agnesscott.edu>

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Barcelona ResAssist

Job offer in the lab of Arnau Sebe-Pedros in Barcelona.

Dear friends and colleagues,

I wanted to raise your attention to an open research assistant position in my lab. I would really appreciate it if you could forward this to anyone who might be interested and/or circulate it internally at your institutions.

Position is long-term and it entails lab management duties (~20% of the time) and active involvement in multiple ongoing projects, applying and developing chromatin and single-cell protocols for diverse non-model organisms.

https://recruitment.crg.eu/content/jobs/position/-single-cell-and-functional-genomics-lab-manager

Thanks a lot in advance!

All the best,

Arnau

Thibaut Brunet <thibautbrunet@hotmail.com>

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BrownU LabManager Metagenomics

We are seeking a Research Assistant in Molecular Ecology at Brown University.

Link to the job application: https://-brown.wd5.myworkdayjobs.com/staff-careers-brown?q=REQ189575 Job Description:

About Brown:

Brown University < https://www.brown.edu/about > is a leading research university distinct for its student-centered learning and deep sense of purpose. Our students, faculty and staff are driven by the idea that their work will have an impact in the world.

Brown University offers a flexible work/life balance; summer hours, winter break and a comprehensive Benefits package including time off, annual paid holidays; benefits offerings including health, dental, vision, tuition assistance, retirement, wellness, employee discounts and more. To learn about Brown University's benefits, visit the University Human Resources web page *here* < https://www.brown.edu/about/-administration/human-resources/benefits > for further information.

About the Opportunity:

At this dynamic cross-campus center, the *Institute at Brown for Environment and Society* < https://-ibes.brown.edu/ > (IBES), students and faculty conduct groundbreaking research and build creative solutions to complex 21st-century problems in climate and sustainability. Work at IBES combines an understanding of the natural world and human dimensions because environmental stewardship, human rights, and economic well-being are inextricably linked.

Through our unique interdisciplinary approach, IBES cultivates actionable research outcomes, while equipping and empowering the change agents of tomorrow through our rigorous and diverse academic programs.

IBES faculty, staff, and students play key roles in the global conversation about environmental issues - on campus, at the State House, in boardrooms, and at the United Nations.

At Brown, and within IBES, we celebrate diversity in all its forms, and work together to create a collaborative, inclusive, and equitable work environment where everyone can achieve their professional goals.

Responsibilities:

The lab of Dr. Tyler Kartzinel at Brown University (*www.kartzinellab.com* < http://-www.kartzinellab.com/ >) is seeking a Laboratory Manager to support research on the diets, microbiomes, genomes, and metagenomes of wildlife. The lab uses cutting-edge genetic technologies to advance major research in the field of molecular ecology; we work in close collaboration with major conservation organizations around the world with major support provided by the NSF, NIH, and others.

The Laboratory Manager will be responsible for the following:

-

Ensure safe and proper best practices and related adherence to regulations are utilized in the lab -

Ordering and maintaining appropriate levels of research supplies. -

Working with and supporting undergraduate and graduate students and postdoctoral associates -

Supervising undergraduate students. -

Oversees all order requests, the lab budget for supplies and analysis costs. -

Overseeing eventual sequencing working with servicecenter -

Assist with chemical inventory and biological resource collections -

Assist with database management (data backups, submissions to GenBank, etc.) -

Assist in managing purchasing and billing for the lab (order new consumables, supplies, equipment, and purchase orders as needed with the PI's supervision) -

Conduct standard molecular biology laboratory protocols involving DNA extraction, PCR, and gel electrophoresis -

Conduct sequencing library preparation (Sanger, Illumina, etc.) -

Assist with training and orientation of students, postdocs, and visitors as directed by the PI -

Assist with data collection as required for grant deliverables under the supervision of the PI -

Keep organized records of research samples and experimental protocols -

Stock lab consumables and maintain inventory for general lab use (tubes, tips, reagents) -

Assist with maintaining lab equipment and updating health and safety procedures -

Interface with diverse members of our campus community (administrative staff, health and safety, facilities, IT, etc.)

The ideal start date will be Fall 2023, with some flexibility possible for the successful applicant. This is a potentially long-term position with a fixed-term contract. The initial end date will be October 31, 2024, but we expect to extend the position based on funding and performance.

Qualifications:

Education and Experience

-

Bachelor's degree in life sciences or equivalent; Master's preferred -

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ChicoStateU WildlifeFisheriesEvolution

The Department of Biological Sciences at California State University, Chico invites applications for a tenure-track faculty position with expertise in Wildlife Biology, Fisheries, or a related area, including Ecology or Evolution. The hire will be at an Assistant Professor level. Applications can be submitted online at https://careers.pageuppeople.com/873/ch/-en-us/job/530032/ More information about the position is in the text below - for further information contact Chris Ivey, chair of the search committee at ctivey@csuchico.edu or 530-898-5812.

Assistant Professor of Wildlife or Fish Biology

Job no: 530032 Work type: Instructional Faculty - Tenured/Tenure-Track Location: Chico Categories: Unit 3 - CFA - California Faculty Association, Tenured/Tenure-Track, Full Time, Faculty - Natural Sciences

Our Commitment to Equity, Diversity, and Inclusion:

California State University (CSU), Chico is a comprehensive and residential public university, holding Hispanic-

Serving Institution (HSI) designation. Chico State operates as part of the 23-campus CSU system, which educates the most ethnically, economically, and academically diverse student body in the nation. The University enrolls over 13,000 students, with over half identifying as first-generation college students.

Chico State is committed to recruiting outstanding candidates who reflect the intersectional identities of our student body. The ideal candidate will embrace our values predicated on the primacy of student success and the elimination of equity gaps, have demonstrated experience working with diverse populations, and will contribute to policies, programs, and practices that support an inclusive, accessible, and equitable learning and working environment. Black, Indigenous, People of Color, veterans, and those with bilingual and/or diverse abilities are encouraged to apply.

The Position: Assistant Tenure-Track Professor

Position Starts: Fall 2024

College: College of Natural Sciences

Department/School:

Salary: Salary commensurate with education and experience. (Anticipated hiring range: $72,600- $ 81,700 per year).

Initial Review Date: October 26, 2023; complete applications received after that date may be considered.

Minimum Qualifications:

The minimum education requirement for appointment to this position is a Ph.D. in Wildlife Biology, Fisheries, or a related area such as Ecology. Candidates nearing completion of the terminal degree may be considered; however, all requirements for conferral of the degree must be met no later than the start date of the position. A demonstrated ability or potential to establish externally-funded research, a record of publication, and a strong interest in teaching and enthusiasm for mentoring undergraduate and masters-level students in research are also required.

Responsibilities:

This tenure-track position carries responsibilities in the areas of teaching, scholarship, and service. Teaching assignments total 10-14 class hours per week. Teaching assignments are based upon qualifications of the individual and the needs of the department. Assignments may include introductory courses in ecology, evolution, and organismal biology, as well as upper division or graduate level courses in wildlife biology, fisheries or the candidate's area of expertise. The position includes opportunities to teach non-major's courses. The successful candidate will be expected to maintain an active and externally-funded research program involving undergraduate and master's students. Research space, startup funds, and release time in the first two years of the appointment will be provided to help establish the research program. Service includes committee work and academic advising of majors in the BS degree.

How to Apply:

Applicants must provide a current cover letter (including how you have addressed, or plan to address teaching to diverse student groups), a CV, and contact information for three professional references. Additional information may be requested at a later time. All applicants must apply online, applications submitted via email or in-person to the department will not be considered.

The Department:

The Department of Biological Sciences includes 12 full-time tenure track faculty, 25 master's students, and 374 undergraduate biology majors with options in evolutionary, ecological, and organismal biology; plant biology; cellular and molecular biology; as well as microbiology majors in general or clinical lab microbiology. Department programs are enhanced by diverse laboratory and field facilities including the Big Chico Creek Ecological Reserve, Butte Creek Ecological Preserve, the CSU Chico Vertebrate Museum, a stockroom, greenhouses, and the CSU Chico Herbarium. The Department has five very active student clubs. The College

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ClemsonU EvolutionaryBiology

Position Description: Lecturer in Evolutionary Biology at Clemson University

The Department of Biological Sciences at Clemson University invites applications for a 9-month, renewable, non-tenure track Lecturer or Senior Lecturer position to begin spring semester or next fall. We seek a candidate with interest and experience in evolutionary biology, including a background in both micro- and macroevolutionary processes at phenotypic, genotypic, and molecular levels. We invite candidates that address engagement

and encourage diversity in the classroom and the community. APPLICATION DEADLINE EXTENDED TO SEPTEMBER 30, 2023. Interfolio link below.

Teaching responsibilities during the academic year would focus on delivery of in-person, large enrollment courses at primarily the undergraduate level including evolutionary biology. General expectations involve development and delivery of course content, assessment of students, use of Canvas learning management system, assisting students during office hours, and working collaboratively with colleagues to improve the learning experience for Clemson students. There may be future opportunities to teach in other areas or in online courses for the online M.S. in Biological Sciences program. There are also opportunities to teach on-campus, online, or study abroad during the summer. Successful candidates will have a desire to join fully in the varied activities of our large department and to take on service responsibilities as they progress through the ranks. The Department supports faculty development at all ranks and tracks. Promotion through the three levels of lecturer ranks - Lecturer, Senior Lecturer, Principal Lecturer - is expected. Salary level will be commensurate with education and experience, and a benefits package is included.

About the Department or School: The Department of Biological Sciences at Clemson University includes faculty with expertise across the areas of ecology, evolution, and organismal biology; microbiology; molecular, cellular, and developmental biology; and environmental toxicology to advance the University's discovery mission and to provide strong educational programs at both the undergraduate and graduate levels. The Department, located within the College of Science, is home to ~50 full-time faculty, including 16 lecturers, supporting research and degree programs in Biological Sciences, Microbiology, and Environmental Toxicology. The Department's student population includes over 1700 undergraduate students in the B.A. and B.S. degree programs in Biological Sciences and the B.S. degree program in Microbiology. The Department also has ~70 graduate students in M.S. and Ph.D. programs in Biological Sciences, Microbiology, and Environmental Toxicology and ~150 students in the online M.S. program in Biological Sciences for Science Educators. For more information about the Department of Biological Sciences at Clemson University, please visit the Department's website at http://www.clemson.edu/science/departments/-biosci/ . For more information about Clemson, please visit the website http://www.clemson.edu/ . Qualifications: Successful candidates should hold a Ph.D. in biological sciences or a related discipline at the time of appointment or hold a M.S. in biological sciences or a related discipline with significant teaching experience in evolution, including large enrollment courses and/or labs. Ideal candidates will have demonstrated strong communication skills, either through science communication and outreach, or through experience in teaching or assisting to teach university-level courses including evolutionary biology.

Application Instructions: For full consideration, applications should be submitted by 30 September 2023. Review will continue until the position is filled.

Applicants should submit the following items via Interfolio at https://apply.interfolio.com/129559 - cover letter detailing why the applicant would like to join the Department of Biological Sciences at Clemson University - curriculum vitae - statement of teaching philosophy, experience, and interests with attention to describing teaching strategies currently used or planned to use to foster diversity and inclusion - course evaluations, peer evaluations, or other evidence of past teaching performance - names and contact information for three professional references

Inquiries should be directed to Margaret Ptacek, chair of the search committee (mptacek@clemson.edu).

*Note: References will not be contacted until the final stages of the interview process.

Equal Employment Opportunity Statement: Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability,

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ColoradoStateU Phylogenetics

POSITION SUMMARY. We are seeking an individual with a research program focused on the theory and practice of phylogenetic inference or comparative methods to answer fundamental biological questions. Potential areas of investigation could include but are not limited to speciation and extinction dynamics, trait evolution, systematics, interspecific hybridization/introgression, phylogenomics, and molecular evolutionary biology. The position is open to candidates working on any taxonomic group(s), as well as those using theory or modeling approaches.

This tenure-track position involves developing and managing an innovative and extramurally funded research program (~45%), teaching at both the undergraduate and graduate levels (~45%), and contributing to service and outreach goals (~10%). CSU provides a highly collaborative and supportive environment with opportunities to interact with faculty in other colleges on campus and to participate in the Graduate Degree Programs in Ecology (https://ecology.colostate.edu/) and Cell & Molecular Biology (https://cmb.colostate.edu/). For more information about CSU in general and the Department of Biology in particular, please visit the Biology Department website: https://www.biology.colostate.edu/ . The Department of Biology at CSU is committed to creating and sustaining an accessible and inclusive culture that values cultural and academic diversity. We seek to hire faculty who will represent our inclusive values in classrooms, labs, and work environments. We are an equal opportunity / affirmative action employer, and it is a requirement of our faculty that they recognize the need for a diverse and inclusive department as well as the essential role of faculty in that effort.

RESPONSIBILITIES: The successful candidate will develop a research program that interfaces with an integrative and collaborative department of evolutionary biologists, ecologists, geneticists, molecular biologists, physiologists, and organismal biologists, working at scales from molecules to ecosystems. Teaching responsibilities will reflect the candidate's area of expertise but may include existing and/or newly developed courses in areas such as evolution, molecular phylogenetics, systematics, organismal diversity, and genetics. The successful candidate will be expected to make impactful service contributions to the university, their academic community, and broader outreach efforts. Candidates who can enhance the department's commitment to diversity through research, teaching, and outreach are encouraged to apply.

QUALIFICATIONS: The applicant must have a Ph.D. in biology, bioinformatics, or a related field by the time of appointment. Evidence of potential for a successful research program as demonstrated by peer-reviewed publications. Preferred qualifications include 1) evidence of research experience, productivity, and impact through graduate and postdoctoral work, 2) a compelling vision for a research program in phylogenetics addressing fundamental biological questions, 3) documented ability to fund research program, 4) experience in teaching and mentoring, and 5) engagement in impactful service and outreach activities and future potential for improving diversity, equity, and inclusion. The Biology Department will assist in the VISA sponsorship for a successful candidate. SALARY: Salary range is $84,000-$90,000 for a 9-month tenure track faculty position.

POSITION AVAILABLE: as early as August 1, 2024.

UNIVERSITY AND LOCAL ENVIRONMENT: The Department of Biology at Colorado State University (CSU) is one of eight departments in the College of Natural Sciences. The Department has a strong commitment to undergraduate and graduate teaching, as well as an international reputation for excellence in research across a broad range of disciplines, including cell and molecular biology, physiology of plants or animals, animal behavior, ecology, evolutionary biology and computational/theoretical biology. The Department of Biology is housed in a state-of-the-art life sciences research facility that opened in 2017. As a land grant University and as nationally recognized innovators, we are committed to the foundational principles of diversity and inclusion. We recognize that our institutional success depends on how well we welcome, value, and affirm all members of the Colorado State community and how we represent diverse perspectives in our teaching, research, and service throughout all disciplines. Diversity and inclusion resources at CSU include The Institute for Learning and Teaching (https://tilt.colostate.edu/), Principles of Community

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ColumbiaU EvolutionaryBiology

The Department of Ecology, Evolution, and Environmental Biology (E3B) at Columbia University invites applications for a tenure track position at the Assistant Professor level in evolutionary biology or evolutionary ecology. We are especially interested in candidates who contribute to the diversity and excellence of our academic community.

The application deadline is October 6, 2023, but applications submitted after that deadline might be considered. Details and application instructions are athttps://-/apply.interfolio.com/131172. For questions regarding the search, please contact the search chair, Duncan Menge, at dm2972@columbia.edu.

"Duncan N.L. Menge" <dm2972@columbia.edu>

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CornellU PlantBiodiversityAdaptation

https://academicjobsonline.org/ajo/jobs/25644 Faculty Position Available Cohort Hire: Empowering Biodiversity for People and Planet Focus: Plant Biodiversity and Adaptation School of Integrative Plant Science, Cornell University

Position: Assistant/Associate Professor, Tenure-track.

Location: Ithaca, NY. The academic home for this position is the School of Integrative Plant Science (SIPS) in the College of Agriculture and Life Sciences, housed on the Ithaca campus of Cornell University.

The School of Integrative Plant Science (SIPS) in the College of Agriculture and Life Sciences (CALS) at Cornell University is seeking a highly collaborative Organismal Plant Biologist to deepen our understanding of how plants, including cyanobacteria, eukaryotic algae, and lichens, are able to adapt to rapidly changing environments. Our new colleague will join a Cohort Faculty Hire in Empowering Biodiversity for People and Planet.

The CALS Roadmap to 2050 has identified five Transdisciplinary Moonshots - opportunities for the CALS community to collaborate on future-focused, cross-disciplinary scientific breakthroughs and to align research, education, and extension programs for greater impact and stronger connectivity. The Moonshot areas build upon core strengths in CALS, spanning the agricultural, life, environmental and social sciences, with the goal of recruiting 27 faculty into the college over the next three years. The Empowering Biodiversity cohort will advance the CALS Transdisciplinary Moonshot in Pioneering Life Science Breakthroughs.

Research in the Empowering Biodiversity cohort will be guided by ecological and evolutionary relationships and the documentation of patterns and processes that drive organismal success and decline. The ideal candidate will engage in Plant Biodiversity research that builds on historic and living collections and field research to directly address the biodiversity crisis at global and/or local scales. In addition to this advertised hire, the Empowering Biodiversity cohort includes new faculty positions in Population biology and the genomic architecture of species success (Computational Biology), Biodiversity Informatics (Department of Natural Resources and the Environment), Insect Biodiversity and Conservation (Entomology), and the Economics of Biodiversity (Dyson School of Applied Economics and Management) within the College of Agriculture and Life Sciences.

We are seeking applications for a 9-month, full-time tenure-track position in Plant Biodiversity and Adaptation at the assistant/associate professor level. Global climate change is shifting the Earth toward more extreme environments. We are experiencing more frequent drought, floods, melting of ice fields, and record-breaking temperatures leading to biodiversity decline across all of earth's ecosystems. The diversity of plant life and the evolution of novelty provides a rich resource of biological, ecological, and evolutionary solutions resulting from organisms confronting and resolving environmental challenges. However, we are rapidly losing organismal expertise in many land plants and algal lineages, including those adapted to extreme conditions or having evolved successful strategies to rapid climate change. We are seeking a colleague who will leverage plant biodiversity and employ state-of-the-art approaches to understand fundamental mechanisms of convergent evolution and adaptation as a means of addressing the biodiversity crisis. The research will enable us to predict when and how species can adapt rapidly in the face of global climate change and promote an understanding of the interface between biological systems and environmental extremes to effect solutions at a local to global scale. The ideal candidate will develop an innovative research and teaching program that addresses plant adaptation at organismal, population and/or landscape levels and links fields such as evolutionary genetics and genomics, ecological genetics, comparative phylogenomics, and functional genomics with modelling of macro- and/or micro-evolutionary patterns and processes, conservation biology and sustainability science to develop integrative approaches that build and use natural history collections in an extended specimen framework.

An outstanding research scholarship is expected, as is excellence in and commitment to teaching, translation of knowledge, and advising and inclusive mentoring of students. We seek colleagues with an outstanding record demonstrating success and promise across all these areas, and who will be supported by and contribute to a vibrant culture of inclusive excellence at Cornell. As such, candidates are expected to engage in service and leadership activities within their department, the college and university, and relevant professional societies. We welcome candidates who understand the barriers facing

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CornellU SpeciesPopulationBiology

https://academicjobsonline.org/ajo/jobs/25620 Faculty Position Available Cohort Hire: Empowering Biodiversity for People and Planet Focus: Population Biology and Genomic Architecture of Species Success

Position: Assistant/Associate Professor, Tenure-track

Location: Ithaca, NY. The academic home for this position is the Department of Computational Biology in the College of Agriculture and Life Sciences, housed on the Ithaca campus of Cornell University

The Department of Computational Biology welcomes applications for a 9-month, full-time tenure-track position at the assistant/associate professor level, focusing on Population Biology and Genomic Architecture of Species Success. With the loss of habitat, many species of plants and animals are seeing severe reductions in population size, while others are losing diversity in form and function as they adapt to more severe and marginal conditions. We are only beginning to understand the underlying mechanisms that determine how population restriction impacts extinction risk. Comparative genomic sampling from collapsing and thriving populations, together with analyses of historical samples, offer exciting prospects to deepen our understanding of the genetic architecture of fitness and adaptive potential, which will be critical for guiding the establishment of resilient populations for the future.

We are looking for a highly collaborative individual to join a Cohort Faculty Hire in Empowering Biodiversity for People and Planet. The ideal candidate will use their research program to directly inform biodiversity conservation efforts and forge new ground by integrating historically siloed disciplines, addressing questions across scales, or innovating novel approaches to measuring and modeling population resilience factors. In addition to this advertised hire, the Empowering Biodiversity cohort includes new faculty positions in Biodiversity Informatics (Department of Natural Resources and the Environment), Plant Biodiversity and Adaptation (School of Integrative Plant Science), Insect Biodiversity and Conservation (Entomology), and the Economics of Biodiversity (Dyson School of Applied Economics and Management).

The CALS Roadmap to 2050 has identified five Transdisciplinary Moonshots - opportunities for the CALS community to collaborate on future-focused, cross-disciplinary scientific breakthroughs and to align research, education, and extension programs for greater impact and stronger connectivity. The Moonshot areas build upon core strengths in CALS, spanning the agricultural, life, environmental and social sciences, with the goal of recruiting 27 faculty into the college over the next three years. The Empowering Biodiversity cohort will advance the CALS Transdisciplinary Moonshot in Pioneering Life Science Breakthroughs.

We seek a colleague with an outstanding record demonstrating success and promise in computational biology as applied to population biology and comparative genomics, with research elements including applications of big data to studies of adaptation, predictive modelling, collections-enhanced temporal research, and/or biodiversity monitoring and assessment. The ideal candidate will be supported by and contribute to a vibrant culture of inclusive excellence at Cornell. As such, candidates are expected to engage in service and leadership activities within their department, the college and university, and relevant professional societies.

Responsibilities: This position has an effort split of 60% research and 40% teaching.

Research (60%) - The successful candidate will develop an externally funded research program that applies advanced data science and computational methods to understanding the role of genetic diversity in its impacts on the long-term vitality of species.

Teaching (40%) - The successful candidate will develop a 3-credit course at the undergrad and graduate level focused on computational methods for understanding the implications of biodiversity loss. They will also be expected to engage in teaching efforts to help students acquire fundamental skills in computational biology, as well as periodic symposium courses on special topics of their choosing.

Department Affiliation: The successful candidate will be a tenure-line faculty member of the Cornell University College of Agriculture and Life Sciences, and will be based in the Department of Computational Biology. The new faculty member will also be part of the Biodiversity Initiative at Cornell University (BioICU) as a member of the cohort of faculty hires focusing on Empowering Biodiversity for People and Planet.

Qualifications: The successful candidate will have a Ph.D. in computational biology, computer science, computational statistics, or a related field and a primary interest in understanding the consequences of loss of

biodiversity through the development and use of computational and

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EastCarolinaU FieldEvolutionTeaching

Dear Colleagues,

We are searching for an Assistant Teaching Professor in Field Botany/Ecology/Evolutionary Biology at the East Carolina University in Greenville, NC. Teaching duties will include an introductory biology course in ecology, evolution and biodiversity and upper-level courses in field botany and plant biology. In addition, the person hired to the position will provide leadership in an established long-term research program for undergraduate education in plant ecology and an associated CURE (Course-based Undergraduate Research Experience).

This is an exciting opportunity to get involved in field-based teaching and research with undergraduates. Feel free to contact Dr. Carol Goodwillie, the chair of the search committee, with questions atgoodwilliec@ecu.edu.For a full description and to apply go to https://ecu.peopleadmin.com/postings/65826/- Grace Fu-Chun Chen, Ph.D. (she/her/hers) Director of Undergraduate Studies Teaching Associate Professor Department of Biology East Carolina University chenf21@ecu.edu

"Chen, Grace" <chenf21@ecu.edu>

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EmoryU Atlanta EvolutionaryTheory

Emory is conducting an open-rank faculty search for a theoretical biologist, very much including people who work on population genetics and/or evolutionary theory. Please apply at https://apply.interfolio.com/131940 by November 1st (although late applications will still be considered), and don't hesitate to reach out with any questions. Full ad text below.

Sincerely, Daniel Weissman Associate Professor of Physics & Biology Emory University

Description

The Biology Department of Emory University (Atlanta, GA) invites applications for an open-rank tenure track or tenured faculty member in the field of Theoretical Biology, broadly defined, for the Fall of 2024. We seek a highly original scientist who uses mathematical, computational, and/or data-analytic approaches to gain insight into fundamental questions in the biological sciences and strengthens the University's international leadership in the theory and modeling of living systems. Research relating to any relevant biological subdiscipline will be considered; however, preference will be given to applicants with the potential to leverage the existing strengths of the Biology Department and/or Emory University as a whole.

The Biology Department faculty at Emory (http://-www.biology.emory.edu/) are productive, well-funded, and actively engaged in the research and teaching missions of Emory, a top-ranked research university. Research in the Department currently has particular strengths in computational neuroscience, population biology and ecology, epigenetics, and biophysics. The successful applicant will have access to state-of-the-art facilities and resources and enjoy academic interactions with hundreds of faculty engaged in biological and biomedical research at Emory University and other nearby institutions. For example, the hired candidate will be able to leverage collaborative opportunities with faculty in the Woodruff Health Sciences Research Center (whsc.emory.edu), the Emory Initiative in the Theory and Modeling of Living Systems (livingtheory.emory.edu), the Physics of Living Systems groups at Emory and Georgia Tech, and the Wallace H. Coulter Biomedical Engineering Department at Emory and Georgia Tech (bme.gatech.edu). They will also have an opportunity to interact with the cohort of 50 faculty recently hired through the Emory AI.Humanity Initiative (aihumanity.emory.edu). Emory is located on a beautiful campus in Atlanta, one of the United States' most vibrant and diverse metropolitan areas.

Qualifications

The successful applicant will have a Ph.D. or an equivalent degree in a relevant field, an excellent record of research productivity, and an ability to contribute to the

Department's undergraduate teaching in areas relating to mathematical and computational biology. Applicants will be evaluated on their research accomplishments, the anticipated scientific impact of their future plans, their teaching experience and enthusiasm, and their potential for mentoring Emory's diverse student population. An applicant hired at the Associate or Full Professor level will be expected to demonstrate the potential for transformative impacts in the field of Theoretical Biology at Emory and beyond. Application Instructions

Applicants should submit the following: 1) a cover letter 2) a CV 3) a description of research experiences, interests, and proposed goals for their independent research group (not to exceed 5 pages) 4) a statement of their teaching experience, interests, and philosophy 5) a statement describing their experience and vision regarding the teaching and mentorship of students of diverse backgrounds (teaching and mentorship statements should not exceed 5 pages combined). 6) (Optional) up to 3 relevant publications or preprints

Applicants should arrange to have three confidential letters of recommendation submitted on their behalf. We also ask that you indicate the broad area(s) of biological inquiry that you intend to pursue as a faculty member from a list (in Interfolio) to help the faculty reviewing applications.

Review of applications will start November 1, 2023, and applications received up to 30 days after review begins will be given full consideration.

dbweissman@gmail.com

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GELIFES UGroningen EvolutionaryGenomics

University of Groningen - Tenure Track Assistant Professor Ecological Genomics (0.8-1.0 FTE)

Job description We are searching for an Assistant Professor, who can strengthen our position in the field of Ecology, more specifically Ecological Genomics and with an emphasis on the Wadden Sea. The new staff member is expected to set up an independent research program in Ecological Genomics that is complementary to the current evolutionary and ecological research conducted at the Groningen Institute for Evolutionary Life Sciences (GELIFES). The successful candidate is expected to integrate evolution and ecology and develop a strong research programme focused on the Wadden Sea. The candidate is expected to acquire competitive funding from e.g. the Dutch Science Council, EU, ERC, Waddenfonds.

We offer you a full-time position and excellent career opportunities in our faculty's career system Career Paths in Science and Engineering, including the perspective to get a permanent appointment (tenure) in 1-3 years and become Full Professor in approximately 10 years.

The successful candidate's research is expected to connect with the ongoing research in GELIFES and other institutes within UG and supervise research projects at the BSc, MSc and PhD level.

For full application details, please visit: https://www.rug.nl/about-ug/work-with-us/job-opportunities/?details=00347-02S000ABAP For queries, please contact: Prof. Rampal Etienne, chair of the selection committee, +31 50 363 2230, gelifes-director@rug.nl or Prof. Per Palsbøll, +31 6 5777 9495, p.j.palsboll@rug.nl

Frank Chan Associate Professor Groningen Institute for Evolutionary Life Sciences (GELIFES) Faculty of Science and Engineering University of Groningen The Netherlands

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Frank Chan <frank.chan@rug.nl>

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Houston ProgramManager EvolutionaryGenetics

A program manager position is available in the Department of Biology and Biochemistry, University of Houston, Houston, TX as part of an NSF-funded Research and Mentoring for Postbaccalaureates (RaMP) program. The program, STEGG-INTERACT (Southeast Texas Evolutionary Genetics and Genomics INTEgrative Research and Collaborative Training, https://-uh.edu/nsm/stegg-interact/), is a research and mentoring program for post-baccalaureates. Participants will engage in mentored research, technical and professional skills training, and career preparation. The program manager will be responsible for managing participant

recruitment, selection, and retention; facilitating communication among participating faculty and organizations; arranging weekly meetings, training, and social events; coordinating program evaluation; and organizing other activities involved in running the program. The successful candidate must have strong communication and organization skills. Experience in either biological research or academic administration is an asset, though not required. The position is available full-time starting January 2024 for 3.5 years, with competitive compensation and benefits.

For full consideration, please send resume or C.V., a cover letter indicating your interest and qualifications, and contact information for 2 references to: Rebecca Zufall, rzufall@uh.edu. Inquiries may be made to the same address or Rich Meisel (rpmeisel@uh.edu).

See also: https://uhs.taleo.net/careersection/ex1_uhs/-jobdetail.ftl?job=STA013241 . The University of Houston is an Equal Opportunity/Affirmative Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply. Additionally, the University prohibits discrimination in employment on the basis of sexual orientation, gender identity or gender expression.

Richard Meisel (he/him/his) Associate Professor Department of Biology and Biochemistry University of Houston

3455 Cullen Blvd Houston, TX 77204-5001

Office: 453F SR2 Lab: 428/433 SR2

rpmeisel@uh.edu bchs.uh.edu/~rpmeisel 1-713-743-3607

“Meisel, Richard P” <rpmeisel@Central.UH.EDU>

IndianaU AnimalBehaviorEvolution

Job: IndianaU.AnimalBehavior

The Department of Biology and Program in Animal Behavior at Indiana University invite applications for a tenure-track faculty position in ANIMAL BEHAVIOR at the level of Assistant Professor.

We seek candidates with a conceptually driven research program to complement existing strengths in Biology's Evolution, Ecology, and Behavior (EEB) Program and the Center for the Integrative Study of Animal Behavior within the Program in Animal Behavior. The specific focus within animal behavior is open, but we especially encourage applicants whose research uses evolutionary or ecological approaches to understand the function and diversity of behavior and/or integrative, biologically informed approaches and modern techniques to understand the physiological mechanisms of behavior. Indiana University is widely recognized for its outstanding interdisciplinary programs in behavior, including the Center for the Integrative Study for Animal Behavior within the Program in Animal Behavior (animalbehavior.indiana.edu/) and a long-standing NIH Training Program in Common Themes in Reproductive Diversity (ctrd.indiana.edu/). Start date is flexible, from Aug 2024 to Aug 2025.

Applicants must hold a Ph.D. and have postdoctoral experience in relevant fields, with a strong record of research accomplishments. Successful candidates will be expected to develop a vigorous externally funded research program, and to participate in teaching at the undergraduate and graduate levels. The Department of Biology and Program in Animal Behavior are committed to recruiting and retaining diverse faculty, and we strongly encourage applications from members of historically marginalized groups. We also welcome candidates who have demonstrated a commitment to working with people from groups that are underrepresented in STEM, through teaching, mentoring, or administration.

To apply: Submit a 1) Cover Letter; 2) CV; 3) Research Statement (past, present, and future; up to three pages); 4) Teaching statement (up to two pages); 5) a 1-2 page statement on Broader Impacts, highlighting your philosophy, experience, or approach to fostering inclusive environments in your teaching, research, mentorship, or outreach; and 6) names and contact information for three or more references (that we will contact, if needed), by November 15, 2023 via https://-/indiana.peopleadmin.com/postings/20413 .Please address inquiries concerning the search to Jennifer Tarter at 812-856-3984 or jenjones@indiana.edu

The Evolution, Ecology, and Behavior graduate program at IUB is a strong, integrative, and collegial group, ranked in the top 10 US EEB programs in 2022: usnews.com/best-graduate-schools/top-science-schools/ecology-rankings. The Program in Animal Behavior promotes collaborative research and teaching among Indiana University scholars studying animal behavior in multiple departments and schools. The program's mission spans research, undergraduate and graduate education, and outreach. The Program's Center for the Integrative Study of Animal Behavior has been key in establishing IU as a premiere institution in the field of animal behavior. Our approach of developing

synergies between outstanding researchers and students across departments at multiple levels serves as a model for interdisciplinarity at IU and beyond. Bloomington is a culturally diverse, welcoming city with a vibrant arts and music scene. The city is located among the hills, lakes, and forested landscape of south-central Indiana, with ample opportunities for outdoor activities and recreation. For information about the Department of Biology, the Program in Animal Behavior, and for other links to the campus and the Bloomington community, see: biology.indiana.edu/ and animalbehavior.indiana.edu.

The College of Arts and Sciences is committed to building and supporting a diverse, inclusive, and equitable community of students and scholars. Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment based on individual qualifications. Indiana University prohibits discrimination based on age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

Kimberly Rosvall, Ph.D. (she/her) Associate Professor, Indiana University Biology Building A318, 1001 E. 3rd Street. Bloomington, IN 47401

Kimberly Rosvall <krosvall@indiana.edu>

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LaTrobeU Australia EvolutionaryGenetics

Lecturer (Genetics / Evolutionary Biology), La Trobe University

Full time, Continuing, Bundoora Campus

About the position

The Department of Environment and Genetics at La Trobe University is seeking a highly motivated and qualified lecturer (Teaching and Research, Level B) for a continuing position to teach into the areas of genetics, evolution, and other related disciplines. Opportunities also exist for involvement in undergraduate field courses and to add to our expertise in ecological, environmental and genetics teaching. The candidate is expected to establish their own research program that compliments the existing research strengths of the department, which include ecology, evolution, biodiversity, botany, zoology, genetics and conservation biology. The Department is one of five within the School of Agriculture, Biomedicine and Environment, with strong alignment to the University's Resilient Environments and Communities Research Theme. Multidisciplinary approaches to research and teaching are encouraged.

Duties at this level may include:

- Develop, coordinate and teach a high-quality learning experience that engages students through the conduct of lectures, tutorials, practical classes, demonstrations, workshops and student field excursions.

- Participate in innovative course level curriculum design, development and review.

- Lead and conduct high quality and/or high impact research as a member of a team or independently and produce publications from that research.

- Supervise and/or co-supervise Honours and Higher Degree by Research (HDR) postgraduate students.

- With mentoring support, obtain necessary research funding from external funding sources.

- Contribute to building external relationships at a local and national level.

- Teach genetic and molecular ecology concepts in undergraduate subjects in the areas of ecology, evolution and conservation biology.

Skills and Experience

To be considered for this position, you will have

- PhD recognised by the University as appropriate for the relevant discipline areas (genetics, evolution, genomics).

- Evidence of high quality and/or high impact research conducted and published or otherwise disseminated, relative to opportunity.

- Broad set of research skills (experimental design, data collection and analysis, dissemination of research results), and a flexible mindset to take advantage of diverse opportunities from emerging research directions in genetics / evolutionary biology.

- Ability to undertake undergraduate teaching in genetics, molecular ecology, evolution, and other related disciplines.

Please refer to the Position Description for other duties, skills and experience required for this position.

Benefits:

17% employer contributed superannuation

On site child care facilities

Flexible work arrangements

Discounts for staff and their family members to study a range of La Trobe courses

How to apply

Closing date: By 11:55pm, Tuesday 19th September 2023

Position Enquiries: John Morgan via Email J.Morgan@latrobe.edu.au

Recruitment Enquiries: Lisa White via Email Lisa.White@latrobe.edu.au

For more details and position description:

https://www.seek.com.au/job/69628536?type=-standard La Trobe University | TEQSA PRV12132 - Australian University | CRICOS Provider 00115M

Ryan Phillips <R.Phillips@latrobe.edu.au>

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LouisianaStateU PopulationGenetics

Job Posting Title: Assistant Professor Position Type: Faculty Department: LSUAM Science - Department of Biological Sciences Pay Grade: Academic Job Description: The Department of Biological Sciences within the College of Science at Louisiana State University (LSU) invites applications for an Assistant Professor position in Evolutionary Biology. Candidates should describe in their application materials how they will address important questions in population genetics or population genomics and how their future plans relate to the study of ecological genomics, biomedicine, agriculture, and/or the development of new biotechnologies, aligning with the Scholarship First Agenda (https://www.lsu.edu/-scholarship-first/) of LSU. Additional collaborative opportunities at LSU exist with the College of the Coast and Environment, Pennington Biomedical Research Center, the School of Veterinary Medicine, the College of Engineering, and the College of Agriculture. Successful candidates will be expected to establish and maintain a vigorous, independent, extramurally funded research program and contribute to undergraduate and graduate teaching in the areas of population genetics, population genomics, and evolutionary biology. Applicants should have a Ph.D. in the biological sciences or a related field, postdoctoral experience, and a record of successful independent research, although applicants who have recently received their Ph.D. may also be considered.

Duties Include: 50% Develop and maintain an independent and extramurally funded research program.

50% Teach undergraduate and/or graduate level courses in a biological sciences discipline, and direct/supervise graduate students. Participate in service activities pertaining to the mission of the Department, and the advancement of the profession.

Minimum Qualifications: PhD awarded by time of hire, where the topic of the work is in biological sciences with demonstrated expertise in population genetics/genomics.

Additional information: Essential Personnel. This position may be required to campus in times of emergency and/or closure per PS-18.

Proficient in the following Job Competencies: Excellence in research that complements or extends existing research strengths in the department and the potential to attract extramural funding.

Special Instructions: Please upload the following documents as a single pdf in this order: Cover letter; curriculum vitae; statement of research interests (approx. 4 pages); statement of teaching interests (approx. 2 pages); Diversity, Equity and Inclusion statement which demonstrates an understanding of the barriers preventing full participation of underrepresented minorities in higher education (1-2 pages). This statement should also describe future plans for activities related to diversity, equal opportunity and inclusion; up to three representative publications; the names of three references who can provide letters of recommendation at a future date. A copy of your transcript(s) may be attached to your application (if available). However, official original transcripts are required prior to hire.

Review of applications will begin October 30, 2023.

For any further questions, please contact Dr. Brant Faircloth at (225) 578-1006 or brant@lsu.edu .

Brant Faircloth <brant@lsu.edu>

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LouisianaStateU TeachingEvolution

Note: While this search is open to applicants with expertise in any area of the biological sciences, LSU has a large and collaborative group of evolutionary biologists, and we would particularly welcome applications from DBER researchers with interests in education research as it relates to evolution.

The Dept. of Biological Sciences at Louisiana State University is searching for a new faculty member and leading researcher working in discipline-based education research (DBER). This person will have a strong commitment to excellence in research, teaching, and service, including an extramurally supported research program related to educational practices in biology. In addition, they will demonstrate a comprehensive understanding of best practices in the scholarship of teaching and learning. Applicants' commitment to activities related to diversity, equal opportunity, and inclusion will be a significant part of the overall evaluation of the candidate's qualifications. The new faculty member is expected to be hired at the Assistant Professor level.

Faculty in the Dept. of Biological Sciences have broad research and teaching interests that span all subdisciplines of biology, presenting ample opportunity for interaction and collaboration. Additional opportunities are available through interaction with LSU's Museum of Natural Science, Herbarium, Center for Computation and Technology, Shared Instrumentation Facility, Louisiana Universities Marine Consortium, Cain Center for STEM Literacy, EnvironMentors Program in the College of the Coast and Environment, College of Science Office of Diversity and Inclusion, School of Veterinary Medicine, Pennington Biomedical Research Center, School of Education, and the University Laboratory School. LSU and the Dept. of Biological Sciences are committed to innovative teaching practices, including course-based undergraduate research experiences (CUREs) and a university-wide program in communication-intensive pedagogy (Communication Across the Curriculum; CxC). The Dept. of Biological Sciences is committed to supporting early career researchers and serving the diverse population of the State of Louisiana.

Duties Include:

50% Develop and maintain an independent and extramurally funded research program.

50% Teach undergraduate and/or graduate level courses in a biological sciences discipline, and/or implement innovative educational practices in existing courses. Direct/supervise graduate students. Participate in service activities pertaining to the mission of the Department, and the advancement of the profession.

Minimum Qualifications: PhD in biological science or related field. Topic of the work needs to be in some area of biological sciences or education with demonstrated expertise in at least one area of biology, including biochemistry, cell biology, developmental biology, ecology, evolution, genetics, neurobiology, or molecular biology, among others.

Additional Qualifications: -Excellence in research that complements or extends existing research strengths in the department and the potential to attract extramural funding.

-Evidence of commitment to or strong potential for the advancement of diversity, equity, and inclusion for underrepresented minority students and groups, and how this commitment integrates with teaching, research and service.

-Commitment to excellence in teaching. Must demonstrate potential or evidence of ability to perform well at both graduate and undergraduate levels and to develop and teach undergraduate and graduate courses or seminars.

Best,

Nick Mason

_

Nicholas A. Mason, Ph.D (he/him/his)

Assistant Professor, Louisiana State University Department of Biological Sciences Curator of Birds, Louisiana State University Museum of Natural Science 119 Foster Hall

Baton Rouge, LA 70803-3216

o: (225) 578-3078; c: (845) 240-0649

Nicholas A Mason <mason@lsu.edu>

MiamiU Ohio PlantEvolutionSystematics

Miami University of Ohio Department of Biology seeks an assistant Professor (tenure-track) to teach courses in plant biology, evolutionary biology, or plant diversity, and an advanced course in evolutionary and molecular systematics; develop an active research program leading to publications and external funding; advise undergraduate and graduate students; provide service to the department and university including serving as Director of the W.S. Turrell Herbarium. Appointment begins August 2024.

Required: Ph.D. in Biology, Botany, Evolutionary Biology, or closely related field by date of appointment.

Consideration may be given to a plant biologist who uses phylogenetic and phylogenomic approaches to answer questions about evolutionary patterns and processes, such as systematics, speciation mechanisms, biogeography, evolutionary transitions, or the evolution of key morphological and/or developmental innovations. In addition to having expertise in current phylogenomic approaches, candidates should have familiarity with classic taxonomy systems.

Submit a cover letter, curriculum vitae, statement of research plans, a teaching philosophy, and evidence of effective teaching to https://jobs.miamioh.edu/cw/-en-us/job/502257/assistant-professor-plant-biologist .Inquiries may be directed to Dr. Rich Moore at biology@miamioh.edu. Screening of applications will begin October 16, 2023 and will continue until the position is filled.

Miami University < https://www.miamioh.edu/ > is committed to creating an inclusive and effective teaching, learning, research, and working environment for all.

For more information on Miami University's diversity initiatives, please visit the Office of Institutional Diversity & Inclusion < https://www.miamioh.edu/diversity-inclusion/index.html > webpage. For more information on Miami University's mission and core values, please visit the Mission and Core Values < https:/-/www.miamioh.edu/policy-library/mission-values/ > webpage.

Richard C. Moore Associate Professor Miami University Botany Program Biology Dept. Oxford OH 45056

Phone: (513)529-4278

"Moore, Richard" <moorerc@miamioh.edu>

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MichiganTechU ChairBiologicalSciences

Michigan Technological University, Chair of Biological Sciences

The Department of Biological Sciences at Michigan Technological University invites applications for the position of chair to begin the 2024-2025 academic year.

We seek an established and proven scholar, mentor, and leader committed to stewarding the continued growth of the Department of Biological Sciences at Michigan Technological University. Successful applicants will promote collaborative and innovative research, commit to enriching undergraduate and graduate student education, invest in mentoring the advancement of faculty, staff, and students, and foster professional and community partnerships.

For a complete position description including the essential and desirable duties, responsibilities, and requirements, the application process, and information on Michigan Technological University and the Department of Biological Sciences please see: http://-www.employment.mtu.edu/cw/en-us/job/493367 . Review of applications will begin on October 30, 2023, and will continue until the position is filled.

If you have questions about this position, please contact Erika Hersch-Green, Search Committee Chair (eherschg@mtu.edu; 906-487-3351).

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer/Affirmative Action Employer.

Erika Hersch-Green, Associate Professor Department of Biological Sciences 740 DOW Building Michigan Technological University 1400 Townsend Drive Houghton, MI 49931 Office: 906-487-3351 Fax: 906-487-3167 Email: eherschg@mtu.edu

Erika Hersch-Green <eherschg@mtu.edu>

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MPIPZ Cologne Germany PlantEvolDivBioinformatician

The Department of Comparative Development and Genetics at the Max Planck Institute for Plant Breeding Research (MPIPZ) in Cologne is seeking a Bioinformatician (m/f/d)to contribute to high throughput sequence data analyses for the purpose of understanding trait development and the diversification of plants.

The candidate will interact closely with Director Prof. Dr. Miltos Tsiantis and members of his group, and be involved in the design of experiments and building data analysis pipelines. One major current project involves the analysis of Cardamine hirsuta natural variation, including the study of structural variation (see also: Baumgarten L, Pieper B, Â et al. PLoS Biology, 2023 https://doi.org/10.1371/journal.pbio.3002191)

S/He/They will contribute to a community of bioinformaticians at MPIPZ and interact with the Max Planck-Genome Centre Cologne. Tasks will involve analysis and interpretation of high throughput sequencing data including RNA-seq, ChIP-seq, and DNA-seq. Both Illumina short-read and long-read platforms are in use, as are single cell analyses. Outstanding teamwork and communication skills as well as a willingness and ability to work collaboratively towards common goals are essential.

This position would suit creative, highly motivated individuals who can interact productively with biologists and who are interested in the genetic basis for natural variation and evolutionary change and plant biology.

Further information about the position, including basic qualifications, duration, and application procedures can be found here: https://jobs.mpipz.mpg.de/jobposting/-b4e09ed34111e6db30425bf27cc2235041b610080?ref=-homepage Institute website: www.mpipz.mpg.de Online application portal: https:/-/jobs.mpipz.mpg.de/en/jobposting/-b4e09ed34111e6db30425bf27cc2235041b610080/-apply?ref=homepage Application deadline: October 19th, 2023

Gemma Richards, PhD Scientific Project Coordinator

Department of Comparative Development and Genetics Max Planck Institute for Plant Breeding Research Carl-Von-Linne Weg 10 50829 Cologne

office: +49 (0)221 5062 106 e-mail: grichards@mpipz.mpg.de https://www.mpipz.mpg.de/-en "Richards, Gemma" <grichards@mpipz.mpg.de>

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MPIPZ Cologne PlantDevelopmentAndEvolution

The Department for Comparative Development and Genetics of Prof. Miltos Tsiantis at the MPIPZ (Cologne, Germany) is searching a new group leader in plant development, diversity, and evolution. This is a wonderful opportunity to work with a great team of colleagues at the interface of developmental biology, genomics, and evolution. Stefan Laurent. (stefan.laurent@biontech.com)

The Department of Comparative Development and Genetics at the Max Planck Institute for Plant Breeding Research (MPIPZ) is seeking a Group Leader (m/f/d) in the broad area of:Plant Development and Evolution The Department operates under the direction of Honorary Professor Dr. Miltos Tsiantis and investigates problems of plant development and diversity. The successful applicant will be expected to build an independent research group to study plant development and/or its natural variation and to collaborate on active research projects in the Department. Of particular interest are candidates that incorporate computational approaches in their research, and dry lab scientists are also welcome to apply. The successful candidate will participate in national and international Graduate Partner Programs and in external funding bids, and core funding will be available. We seek candidates with a PhD, 2-4 years postdoctoral experience and an excellent publication record, who use creative approaches to investigate problems in plant development, diversity, and evolution. We are looking for a highly interactive scientist who is able to engage in successful collaborations with colleagues at different levels both within and beyond the Department, and who can participate in the training of younger scientists. Salary and benefits are according to the German TV??D. This is a five-year position with possibilities for renewal. All contractual arrangements are subject to the German public service regulations for the duration of scientific training. Interested candidates are invited to submit applications through the online system(https://jobs.mpipz.mpg.de/en/jobposting/-c4366bc0981d446856106150af2666adbd39c4700/-

apply?ref=homepage)by the 31st of October, 2023, as a single PDF document consisting of:

i.a two-page CV including the names and contact details of two academic referees

ii.a personal statement explaining their academic accomplishments, motivation for applying for this post, potential synergies with the Department (https://-www.mpipz.mpg.de/226344/tsiantis-dpt) and their outlook on fostering a collegial, collaborative environment to support the training of early career scientists

iii.a publication list highlighting their 2-3 most relevant papers with a 150-word summary explaining the significance of each

iv.a two-page statement of research plans for the next five years

An appointment will only be made if a suitable candidate is identified.

The Max Planck Society is one of the leading research organizations in Europe. We offer challenging tasks with a high degree of personal responsibility and creative freedom in research laboratories, workshops, libraries and administration.

The Max Planck Institute for Plant Breeding Research conducts basic research on plants and their development using a wide variety of methods, in particular molecular genetics, genomics, imaging processes, computational biology and biochemistry. Our goal is the deep and detailed understanding of fundamental mechanisms in plant biology, which may also then be used to develop innovative strategies for plant breeding.

The Max Planck Society strives to increase employment of severely disabled people. Applications from severely disabled people are expressly encouraged.

Furthermore, the Max Planck Society wants to increase the proportion of women in areas where they are underrepresented. Women are therefore expressly encouraged to apply.

The Little Pumpkins Parents' Association offers childcare for children under the age of 3 at the MPIPZ.

It is possible to apply for a low-cost Germany job ticket with a subsidy from the Institute. The institute also has a rental bike station run by the provider nextbike, as well as the possibility of using rental scooters from various providers.

Interested candidates, please upload your complete application documents, including your preferred starting date.

Website: www.mpipz.mpg.de

Stefan Laurent

Stefan Laurent <laurent@mpipz.mpg.de>

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MunichU ResearchFellow EvolutionaryGenetics

Research Fellow in Evolutionary Genetics

A six-year (3 + 3) research fellow position is available in the Wolf Lab located in the Division of Evolutionary Biology at Munich University and the Max-Planck Institute for Biological Intelligence. We seek a collaborative-minded researcher with a proven publication record in evolutionary genetics and/or related fields (comparative genomics, population genetics, experimental evolution, molecular ecology). Our focus lies in understanding fundamental evolutionary processes such as adaptation and speciation. We apply a large range of methodology ranging from fieldwork to population genetic modelling, large genomic approaches to experimental evolution and functional characterization. Model organisms currently include birds (cuckoos, corvids, swallows, tits), marine mammals (pinnipeds), European hemiclonal water frog and fission yeast.

The position. The ideal candidate would have advanced bioinformatic skills, and play an active role in ongoing projects and project development in the division. As we are increasingly interested in high-throughput phenotyping, candidates with experience of AI-based approaches are especially welcome. The position comes with teaching duties of 4 hours per week (5 SWS) during the semester, contributing to both BSc and MSc courses offered by the division. With both the Graduate School for Evolution, Ecology and Systematics (EES http://ees.bio.lmu.de/) and the European Erasmus Mundus Program in Evolutionary Biology (MEME http://www.evobio.eu/) you will interact with an international and highly-motivated group of students. The position is for three years with a likely extension of three further years allowing to develop an independent research profile. The payment scale is TV-L E13 100% of the German public sector (~ 50 - 75 kEUR gross / year depending on work experience).

Research environment. Both Munich University (LMU) and Munich Technical University (TUM) are recognized among Europe's premier academic and research institu-

tions, consistently ranked among the top Universities worldwide. The Wolf lab is part of the life science campus at the southern rim of Munich offering excellent technical facilities and many interaction possibilities including with the Gene Centre, several Max-Planck-Institutes and the Helmholtz Centre. The lab also maintains close ties to a growing evolutionary genetics community in Munich representing the breadth of the field (www.evogenmunich.de). With the highest concentration of supercomputing in Germany, the Leibniz Supercomputing Centre and its local partners provide access to state-of-the art computing facilities for genome-scale and large phenotype analyses. Munich is Bavaria's capital, with many traditions still alive, and is a vibrant but relaxed city offering a high quality of living. In contrast to the current funding climate in many other European and non-European countries, funding rates are relatively high in Germany, and there are several sources to seek funding for own projects including a number of national and transnational European programs.

How to apply. Applicants holding a PhD with a proven publication record are encouraged to apply. Applications including a statement of motivation including relevant expertise, a CV and the contact details of at least two references should be sent as a single .pdf file to evolution@bio.lmu.de subject term 'research fellow. The position remains open until a suitable candidate is identified. Preferred start date is January 2024 but can be negotiated depending on the applicant's situation.

Further links. Wolf Lab, Chair of Evolutionary Biology, LMU Munich: https://www.evol.bio.lmu.de/-research/j_wolf/index.html; MPI Biological Intelligence: https://www.bi.mpg.de/wolf, https://imprs-bi.mpg.de/; Evolutionary Genetics community Munich: https://-evogenmunich.de/; Leibniz Compute centre: https://-www.lrz.de/english/; Biology Campus:

http://www.campusmartinsried.de/en/336-2/ Prof. Dr. Jochen B. W. Wolf Head of Evolutionary Biology Division, LMU Munich MPI fellow, Max Planck Institute for Biological Intelligence

mail to: Jochen Wolf Division of Evolutionary Biology Faculty of Biology LMU Munich Grosshaderner Str. 2 82152 Planegg-Martinsried Germany

office phone: +49 (0)89 / 2180-74102 fax: +49 (0)89 / 2180-74104 Lab website: http://-www.evol.bio.lmu.de/research/j_wolf/index.html MPI: https://www.bi.mpg.de/wolf/de

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NAU Mexico Paleogenomics

Tenure Track position in Genomic Sciences

Laboratorio Internacional de Investigación sobre el Genoma Humano

National Autonomous University of Mexico

Juriquilla, Querétaro, México

The International Laboratory for Human Genome Research, LIIGH-UNAM (www.liigh.unam.mx), located in Juriquilla, Querétaro, Mexico, is inviting applications from individuals interested in a full-time tenure-track position at the level of Assistant Professor (Investigador Asociado C) in the field of:

"Paleogenomics and Evolutionary Biology"

Applicants should hold a doctorate degree, possess postdoctoral experience relevant to the mentioned field and demonstrate a strong track record of internationally recognized journals. Salary is in accordance with UNAM'spay scale (INV ASOC C T C): https://www.plataformatransparencia.unam.mx/-archivos/repositorio/SADM/2023/tab_2023/-tabacadfeb2023.pdf Interested candidates are requested to submit their CV, contact details for three references, and a three-page research proposal to research interests to María C. Ãvila Arcos, Coordinator of LIIGH-UNAM (mavila@liigh.unam.mx) by September 19, 2023.

Maria Avila <mavila@liigh.unam.mx>

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NHM Geneva HeadCuratorResearchAndCollections

Objet : Job: NHM_Geneva_Switzerland. HeadCurator_Research and Collections

HEAD CURATOR, in charge of the RESEARCH AND COLLECTIONS UNIT (100% permanent contract)

Museum Genève (Natural History Museum and History

of Science Museum of the City of Geneva, Switzerland) is looking for a:

Head Curator, in charge of the Research and Collections Unit at Museum Genève

MAIN TASKS As Head Curator in charge of the Research and Collections Unit of Muséum Genève, you are responsible for the scientific, technical, documentary, administrativeand financial running of the unit, as well as for human resources.

You define the strategic thrusts of the unit's research activities and collections management along with the scientists, in close collaboration and accordance with the Management, as well as with the objectives of Muséum Genève.

You do your utmost to take up the new challenges in collections management.

You are an active member of the institution's Management Committee. You develop, enhance, represent, and promote the Museum's research and collections to national and international scientific institutions and bodies, as well as to the public and political authorities.

You work closely with the Head of the Publics and Exhibitions Unit and the Head of the Communication and Publishing Sector to develop programmes for the promotion of research and heritage. You develop and maintain close relations with other local and international scientific partners.

DESIRED PROFILE University doctoral degree in natural sciences (zoology or Earth sciences).

Solid experience in management, running scientific projects and managing collections in the complex environment of science museums.

Proven skills in leading multidisciplinary teams and administrative tasks.

Excellent interpersonal skills with a calling for public service.

Comfortable with both public and media.

Proven experience of popularising and communicating science.

Active local, national, and international network of museum institutions and other scientific bodies.

Perfect command of the French language, both spoken and written. Fluent in English and German.

CONDITION Resident in the Canton of Geneva (Switzerland) or in the authorised domiciliation zone.

REGISTRATION By email to recrutement.mhn@ville-ge.ch By mail to Muséum d'histoire naturelle, to the att. of Mr. Pierre-Henri HEIZMANN, route de Malagnou 1, P.O. Box6434 - CH - 1211 Geneva 6, Switzerland

Date of registration: 22nd september 2023

Date of entry: to be determined Salary: the position is classified within the P category of the salary scale of Ville de Genève.

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CONSERVATEUR EN CHEF ou CONSERVATRICE EN CHEFFE, RESPONSABLE DE L'UNITE RECHERCHE ET COLLECTIONS

MISSIONS ET RESPONSABILITES Vous dirigez l'Unité ≪ Recherche et collections ≫ de Muséum Genève (Muséum d'histoire naturelle et Musée d'histoire des sciences de la Ville de Genève) sur les plans scientifique, technique, documentaire, administratifet financier ainsi qu'en matière de ressources humaines.

Vous définissez les orientations stratégiques des activités de recherche et de gestion des collections avec les scientifiques, enétroite collaboration et d'entente avec la Direction, conformément aux objectifs de l'institution. Vous mettez tout en oeuvre pour relever les nouveaux défis en matière de gestion des collections.

Vous êtes membre actif du Comité de direction de l'institution. Vous développez, valorisez, représentez et faites la promotion de la recherche et des collections de Muséum Genève auprès des institutions et instancesscientifiques nationales et internationales, mais également auprès des publics et des autorités politiques. Vous collaborez étroitement avec la/le responsable de l'Unité ≪ Publics et expositions ≫ et la/le responsable du secteur

≪ Communication et édition ≫ pour développer des programmes de valorisation de la recherche et du patrimoine. Vous développez et entretenez des collaborations étroites avec d'autres partenaires scientifiques locaux et internationaux.

PROFIL SOUHAITE Solide expérience en management, en conduite de projets scientifiques et en gestion des collections dans le monde complexedes musées scientifiques

Compétences avérées dans la conduite d'équipes multidisciplinaires et les tâches administratives

Titulaire d'un diplôme universitaire, au niveau du doctorat, dans le domaine des sciences naturelles (zoologie ou sciences de la Terre)

MaÃtrise de la communication interpersonnelle et à l'aise auprès du public comme des médias

Au bénéfice d'une expérience en matière de vulgarisation et de communication scientifique Orienté-e service public avec d'excellentes capacités relationnelles

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NorthernNewMexicoC EvolutionaryEcol

Job: Northern New Mexico College Environmental Science, Evolutionary Ecology

Dear EVOLDIR Community - Please see the below position for an Assistant Professor, tenure-track position (Associate Professors are also encouraged to apply). Successful applicants will have the opportunity to pursue research if they like, teach upper level classes of their interest, and class sizes are small. We serve a great community with major regional diversity (the region is home to 8 Pueblos, 2 Tribes, and a major Hispanic population) and NNMC is in a beautiful, mountainous area 30 minutes from Santa Fe and Los Alamos. We have an old and active union. Pay for an assistant professor starts at $61,041 and is negotiated every year.

THE INSTITUTION The Department of Chemistry, Biology and Environmental Science (BCES) at Northern New Mexico College invites applications for a nine-month tenure-track faculty position at the rank of Assistant Professor. Northern New Mexico College (NNMC) is a public two-year and four-year degree granting institution founded in 1909 by the New Mexico Constitution. NNMC is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. NNMC operates from two campuses in Española and El Rito and serves an average of 1,000 students per semester. Applications are invited for an Assistant Professor (Tenure-Track, 9-month) faculty position with a contract starting January 2024, located at the Española campus. The Department of Biology, Chemistry, and Environmental Science offers Bachelor of Science (BS) degrees in Biology and Environmental Science, and Associate of Science (AS)/ Applied Science (AAS) degrees in Biology, Chemistry, Environmental Science, Radiation Protection and Nuclear Operations.

DUTIES AND RESPONSIBILITIES: Develop and offer courses (12 credit hours/ semester) in Environmental Science (based on Department and program needs) on a lower and upper division level; Specific courses that this position may be required to offer include Introduction to Environmental Sciences, Fire Management and Restoration, Rangeland Management, Silviculture, Wildlife Science and Management, Environmental regulations; Develop and maintain laboratories and facilities; Participate in scholarly activities; Serve on college committees; Mentor students in research and capstone projects; Seek and apply to public and private funding opportunities; Advise students regarding curriculum and career matters; Assessment and evaluation of student outcomes; Participate in recruitment, outreach, and retention initiatives; Develop/maintain partnerships with regional major employers such as Los Alamos National Laboratory and New Mexico Environment Department; Perform all other duties as assigned.

KNOWLEDGE, SKILLS & ABILITIES: Ability to work effectively with diverse groups; Ability to mentor students in field work; Ability to develop hands-on lab material that aligns with the in his/her own areas of interest; Strong presentation and communication skills; Ability to advise and interact closely with students, engage in research, and participate in recruitment and retention efforts.

MINIMUM REQUIREMENTS: Ph.D. in Environmental Science, Earth Science, Forestry Science, Agriculture, or closely related field.

DEADLINES: While the position will remain open until filled, interested applicants are encouraged to submit a complete application package by October 1, 2023.

APPLICATION PROCEDURE: A complete application must include 1) a cover letter addressing how the candidate's experiences match the position requirements, 2) curriculum vitae, 3) unofficial transcripts conferring required or preferred degree, 4) a statement addressing the candidate's teaching philosophy, and 5) names, addresses, phone numbers and email addresses of three (3) professional references. Incomplete applications will not be reviewed.

Shortlisted candidates will be required to submit three letters of recommendations (two of which focus on the candidate's teaching ability and/or potential) before the interview. Official transcripts should be requested upon acceptance of the interview.

EEO STATEMENT: NNMC is an equal opportunity employer.

APPLY: https://www.myworkday.com/chess/d/inst/1$9925/9925$3280.htmld Rhiannon West <rhiannon.west@nnmc.edu>

NorthernNewMexicoC LabCoordinator

Our wonderful lab coordinator is retiring and we are hiring to fill the position.

Position Summary: Full time Laboratory Coordinator

The Laboratory Coordinator is a position that provides important support to the Department of Biology, Chemistry and Environmental Sciences (BCES) at Northern New Mexico College (NNMC). The lab coordinator will be overall responsible for maintaining teaching laboratories, organizing and conducting laboratory classes, supporting students and coordinating with instructors for laboratory classes. BCES offers laboratory classes in disciplines like Biology, Chemistry and Environmental Sciences. Duties & Responsibilities

Performs general upkeep of laboratory and maintenance of laboratory equipment. Ensures laboratory safety and verifies that all laboratory participants have completed applicable safety training; monitors activities to ensure compliance with established safety standards and executes appropriate interventions when necessary. Maintains and/or oversees maintenance and testing of equipment and instruments to ensure accuracy, efficiency, and safety of performance as frequently as needed. Maintains supplies and equipment inventories; orders laboratory supplies and equipment. Coordinates with NNMC receiving section for receiving laboratory reagents and/or equipment. Coordinates with Departmental Admin to process purchase requisition forms and update invoices against purchase orders. Assists in the annual Dept. budget planning process and regularly monitors laboratory expenditures. Participates in student recruitment initiatives and/or events, as appropriate to departmental requirements, which may include practical demonstrations, laboratory tours, and/or other associated activities.

MINIMUM JOB REQUIREMENTS Bachelor's degree in the field of Biology or, Chemistry or, Environmental sciences KNOWLEDGE, SKILLS, & ABILITIES

Basic knowledge of laboratory supplies and equipment. Ability to communicate effectively, both orally and in writing. Basic knowledge of chemical, hazardous waste, industrial hygiene, and/or environmental health standards. Ability to read and understand equipment manuals and utilize, calibrate, configure and/or troubleshoot laboratory systems and instruments.

WORKING CONDITIONS & PHYSICAL EFFORT Light to Moderate physical effort which may require lifting up to 40 pounds and/or some standing or walking. Effort applies to no more than two (2) hours per day. Work environment may involve continuous exposure to physical risks, such as working with chemicals. Work may involve moderate exposure to unusual elements, such as extreme temperatures, dirt, dust, fumes, smoke and/or unpleasant odors. Northern New Mexico College provides all training required by OSHA to ensure employee safety

APPLICATION PROCEDURE: A complete application must include: 1) A letter of interest, 2) resume, 3) names, email addresses, and phone numbers of (3) three references.

References will be contacted in conjunction with interviews.

EEO STATEMENT: NNMC is an equal opportunity employer.

The position is for **40 hours a week**. The job ad will be updated shortly.

Apply: https://chess.wd1.myworkdayjobs.com/en-US/-CHESS/job/Lab-Coordinator_JR103922 Rhiannon West <rhiannon.west@nnmc.edu>

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NorthernNewMexicoC TeachingEvolution

Job: Northern New Mexico College Evolutionary Ecology

Dear EVOLDIR Community - I have updated the link. Please see the below position for an Assistant Professor, tenure-track position (Associate Professors are also encouraged to apply). Successful applicants will have the opportunity to pursue research if they like, teach upper level classes of their interest, and class sizes are small. We serve a great community with major regional diversity (the region is home to 8 Pueblos, 2 Tribes, and a major Hispanic population) and NNMC is in a beautiful, mountainous area 30 minutes from Santa Fe and Los Alamos. We have an old and active union. Pay for an assistant professor starts at $61,041 and is negotiated every year.

THE INSTITUTION The Department of Chemistry, Biology and Environmental Science (BCES) at Northern New Mexico College invites applications for a nine-month tenure-track faculty position at the rank of Assistant Professor. Northern New Mexico College (NNMC) is a public two-year and four-year degree granting institution founded in 1909 by the New Mexico Constitution. NNMC is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. NNMC operates from two campuses in Espaῆola and El Rito and serves an average of 1,000 students per semester. Applications are invited for an Assistant Professor (Tenure-Track, 9-month) faculty position with a contract starting January 2024, located at the Espaῆola campus. The Department of Biology, Chemistry, and Environmental Science offers Bachelor of Science (BS) degrees in Biology and Environmental Science, and Associate of Science (AS)/ Applied Science (AAS) degrees in Biology, Chemistry, Environmental Science, Radiation Protection and Nuclear Operations.

DUTIES AND RESPONSIBILITIES: Develop and offer courses (12 credit hours/ semester) in Environmental Science (based on Department and program needs) on a lower and upper division level; Specific courses that this position may be required to offer include Introduction to Environmental Sciences, Fire Management and Restoration, Rangeland Management, Silviculture, Wildlife Science and Management, Environmental regulations; Develop and maintain laboratories and facilities; Participate in scholarly activities; Serve on college committees; Mentor students in research and capstone projects; Seek and apply to public and private funding opportunities; Advise students regarding curriculum and career matters; Assessment and evaluation of student outcomes; Participate in recruitment, outreach, and retention initiatives; Develop/maintain partnerships with regional major employers such as Los Alamos National Laboratory and New Mexico Environment Department; Perform all other duties as assigned.

KNOWLEDGE, SKILLS & ABILITIES: Ability to work effectively with diverse groups; Ability to mentor students in field work; Ability to develop hands-on lab material that aligns with the in his/her own areas of interest; Strong presentation and communication skills; Ability to advise and interact closely with students, engage in research, and participate in recruitment and retention efforts.

MINIMUM REQUIREMENTS: Ph.D. in Environmental Science, Earth Science, Forestry Science, Agriculture, or closely related field.

DEADLINES: While the position will remain open until filled, interested applicants are encouraged to submit a complete application package by October 1, 2023.

APPLICATION PROCEDURE: A complete application must include 1) a cover letter addressing how the candidate's experiences match the position requirements, 2) curriculum vitae, 3) unofficial transcripts conferring required or preferred degree, 4) a statement addressing the candidate's teaching philosophy, and 5) names, addresses, phone numbers and email addresses of three (3) professional references. Incomplete applications will not be reviewed. Shortlisted candidates will be required to submit three letters of recommendations (two of which focus on the candidate's teaching ability and/or potential) before the interview. Official transcripts should be requested upon acceptance of the interview.

EEO STATEMENT: NNMC is an equal opportunity employer.

UPDATED LINK - APPLY: https://-chess.wd1.myworkdayjobs.com/en-US/CHESS/-details/Assistant-Professor_JR103918 Rhiannon West <rhiannon.west@nnmc.edu>

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OxfordC EmoryU EvolutionaryBiol

Assistant Professor of Biology, Tenure-Track

Emory University: Oxford College

Location Oxford, GA

Open Date Aug 24, 2023

Description Oxford College, a unique two-year liberal arts college within Emory University, invites applications for a tenure-track position in biology at the rank of Assistant Professor, to begin in August 2024. We are especially interested in candidates who can contribute to the educational and intellectual vibrancy and diversity of the academic community through their teaching, research, and service.

We seek a broadly trained biologist whose research incorporates a strong field component to address questions of biological significance related to areas such as aquatic or terrestrial landscape ecology, community ecology, population ecology, organismal biology,conservation biology,or evolution.The successful candidate will teach within our introductory biology curriculum, which covers topics in cellular and molecular biology, genetics,

biodiversity, and evolution.They will also have the opportunity to teach organismal and/or field courses, and seminar courses.The typical teaching load for Oxford College faculty in the sciences is two courses, with associated labs, each semester. Prospective candidates will have a commitment to excellence in teaching as well as engagement in an active research program with the potential to involve first and second-year undergraduates.

The Oxford Science Building, which opened in 2016, is an intentionally designed space that promotes student-faculty collaboration, scholarship, and innovative teaching in STEM.We expect the candidate could benefit from the OxHouse Science Center,a 47-acre property 5 minutes from campus that includes forests, fields, a 2-acre pond, and intermittent streams. Oxford's location provides other nearby nature for field study. In addition to excellent facilities, Oxford College has several resources to support faculty professional development including the Oxford Center for Teaching and Scholarship.

Qualifications

Required- A Ph.D. in a biological science or a related-discipline, completed by August 2024

Desirable Candidates with experience in inquiry-based teaching and student-centered learning are particularly encouraged to apply. Biology faculty use recommendations of Vision and Change and PULSE as guiding principles.

Application Instructions

Applicants are required to submit a cover letter, CV,a 12-page statement of teaching philosophy including approaches and experiences that promote equity and inclusion with a diverse group of undergraduate students,a 12-page scholarship statement describing research goals that might be accomplished in a setting like Oxford College,undergraduate and graduate transcripts (unofficial acceptable),and names and contact information of three potential references.The cover letter should describe the candidate's qualifications for the position,their approach to promoting equity and inclusion across teaching, mentoring and/or in scholarship as well as their interest in working at a liberal arts college with first and second-year students. Applicants are required to submit these materials through Interfolio. Evaluation of candidates will begin October 2nd, 2023,and will continue until the position is filled.Inquiries may be directed to Dr.Sarah Fankhauser (sarah.fankhauser@emory.edu).

One of Emory Universitys four schools partnering in undergraduate education, Oxford College provides 975 first- and second-year students of high academic profile an intensive liberal-arts program for the first two years of their Emory bachelors degree. We are interested in candidates with a commitment to working with a remarkably diverse student body in an inclusive learning community that values excellence in teaching and close student-faculty interaction. Applications from women and historically underrepresented minorities are particularly welcome. For more information about Oxford College and for a full listing of open positions, visit http://oxford.emory.edu/hiring . Application Process

This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials, including confidential letters of recommendation, free of charge: https://apply.interfolio.com/130755 Equal Employment Opportunity Statement

Emory University is a leading research university that fosters excellence and attracts world-class talent to innovate today and prepare leaders for the future. We welcome candidates who can contribute to the diversity and excellence of our academic community.

Emory University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Georgia State laws, regulations, and executive

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RZSS EdinburghZoo ResAssist ConservationGenetics

RZSS WildGenes Research Assistant Location: Royal Zoological Society of Scotland - Edinburgh Zoo

About Us The charity that owns both RZSS Edinburgh Zoo and RZSS Highland Wildlife Park are looking for committed, compassionate and conservation-minded individuals to join our expert staff team. RZSS aims to connect people with nature and safeguard species from extinction, a mission that sees us work both here in Scotland and around the world. From inspiring the next generation about wildlife in our parks to protecting chimpanzees in the Ugandan rainforest; looking after some of the world's most endangered species to saving the Scottish wildcat, RZSS is making a huge difference and we need your help to continue to grow.

The role The Royal Zoological Society of Scotland's WildGenes team are looking for a Research Assistant. Based at Edinburgh Zoo, the team uses genetic data to inform the conservation of 10-15 species annually. This role will involve supporting our research scientists in the analysis of genetic datasets. You will also be required to deliver towards reports for our conservation partners and input into project discussions at various stages. A flexible approach will be required with a range of different project opportunities available depending on the successful candidates experience but there will likely to be a focus on native species, including invertebrates. However, RZSS has an aim to aid in the restoration of 50 species by 2030, so there will be a range of future project opportunities. You will be expected to work closely with the analysis team but also alongside our onsite genetics lab team that generates the datasets and our biobank that provides long-term preservation of genetic material. It is a full-time 3-year fixed term role working 37.5 hours per week.

Who we are looking for The successful candidate will hold an MSc (or equivalent) in a relevant scientific discipline plus job experience in a relevant role. Ideally, they will have experience in the bioinformatic analysis of genetic datasets but also knowledge of standard molecular genetic laboratory techniques and the preservation of DNA. They will also have excellent communication skills for working with project partners including those in the university, zoo and conservation sectors.

Salary The position sits within Band D (Starting salary between ?26,610 - ?27,354 with future salary progression up to ?30,592 per annum)

Interested? For full information on how to apply, please visit the RZSS vacancy page and follow the instructions: https://www.rzss.org.uk/job-opportunities/ Closing date: Sunday 22nd October 2023

Invitation to interview will be by email during the start of November 2023.

For any questions and queries, please email Dr Heather Ritchie-Parker at hritchieparker@rzss.org.uk quoting "Research Assistant" as the subject.

Our mission is to connect people with nature and restore threatened species.

The RZSS strives to be an equal opportunities employer. Registered Charity SC00406

Dr Alex Ball WildGenes Programme Manager 0131 314 0388 aball@rzss.org.uk THE ROYAL ZOOLOGICAL SOCIETY OF SCOTLAND RZSS Edinburgh Zoo, Edinburgh EH12 6TS 0131 314 0300 rzss.org.uk < http://www.rzss.org.uk/ > @RZSS < https://twitter.com/rzss > /RZSSofficial < https://www.facebook.com/RZSSofficial?ref=3Dhl >

REGISTERED CHARITY NUMBER: SC004064

aball@rzss.org.uk

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StonyBrookU ClimateChangeBiodiversity

Stony Brook University invites applications for a computational ecologist or evolutionary biologist at the rank of Assistant Professor in the area of climate change and biodiversity. This is a joint position between the Department of Ecology and Evolution and the Institute for Advanced Computational Science(IACS). The successful applicant will employ innovative computational and data science approaches to address the causes, consequences, and prevention of biodiversity loss in relation to the global climate crisis, and must display an interest and ability to collaborate with the breadth of interdisciplinary research ongoing at IACS. The candidate's teaching would be divided between courses in the Department of Ecology and Evolution and those serving IACS's existing certificate programs in data science and computation.

Review of applications will start on Oct. 23, 2023 a11d applications will continue to be accepted until Nov 6, 2023. For more information and to apply, please seeï¿½https://apply.interfolio.com/128054 . Pascal Title, PhD Assistant Professor pronouns: he/him Department of Ecology & Evolution | Stony Brook University https://www.pascaltitle.com Pascal Title <pascal.title@stonybrook.edu>

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TexasAMU LabManager FunctionalGenomics

The Gonder Lab at Texas A&M University is recruiting a lab manager. The research encompasses work in molec-

ular ecology, functional genomics, and socioecological research in the field.

Major Duties: The lab manager supports wet lab management, data generation, data curation, research regulatory compliance, and student training. The lab manager contributes to molecular genetic/genomic data generation; helps maintain research equipment; help organize experimental and lab safety protocols; and manages sample archiving and tracking, including contributing to biological sample permitting, import, and export. The lab manager will also manage routine purchasing; ensure compliance with institutional research regulatory bodies in the US and abroad; and provide limited support for student training in molecular techniques.

Required skills and qualifications: Bachelor's degree in biology or related field or equivalent qualification.

Anticipated salary: $37,000/year plus benefits

How to apply: Applicants external to Texas A&M can apply for this position online at - https://-tamus.wd1.myworkdayjobs.com/TAMU_External/-job/College-Station-TX/Research-Assistant_R-065871 Please send inquires to Dr. Katy Gonder @ katy.gonder@ag.tamu.edu

Katy Gonder <katy.gonder@gmail.com>

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Trinidad PaidResInterns GuppyEvolution

Paid Research Internships - The Guppy Project

Research interns are needed to assist in a multidisciplinary, multi-investigator, experimental study of the evolution of species interactions in Trinidad, West Indies. The research is led by Professors David Reznick (University of California, Riverside), Joseph Travis (Florida State University), Tim Coulson (University of Oxford), and Ron Bassar (Auburn University). We seek to integrate multiple biological fields for the study of these interactions in experimental populations of guppies and killifish in Trinidad. Duties include assisting in monthly censuses of guppy and killifish populations in montane streams and helping to execute experiments in on-site artificial streams. The monthly censuses include long hours in the field and laboratory.

Interns will be required to spend a minimum of 3 months in Trinidad, with possibility of extension, and/or promotion to field site manager. There are potential start dates in February 2024 and every month thereafter until November 2024. We will pay a monthly stipend ($700 USD per month for first time interns), cover travel (up to $900 USD), and provide housing.

Qualifications: We seek interns who are entertaining the possibility of pursuing graduate studies in some area of ecology and evolution and who wish to gain some additional field research experience before doing so. Research will take place in semi-remote areas of Trinidad, sometimes under bad weather conditions. Applicants must be able to live and work well with others. Research will involve carrying heavy packs over slippery and steep terrain. Applicants must be in good physical condition and be able to meet the demands of field research under these conditions. Ability to drive a standard transmission vehicle is desirable but not required. Applicants with first-aid/first responder training, skills in automobile maintenance, and construction skills are highly desirable. Please address these skills when applying.

Please see our website < www.theguppyproject.weebly.com > for more information on the project and access to reprints. Be sure to check out our video menu, which includes a "guppy censuses" as submenu VII. It details the main tasks associated with the internship.

Applicants should send a cover letter, CV, and the names and e-mail addresses of three or more professional references to David Reznick (gupy@ucr.edu). At least two of the references should be academics.

Ronald Bassar <rdb0057@auburn.edu>

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UBaleaicIslands BioinformaticianGenomics

Bioinformatician (Contract until August 30, 2026) **** This is a preliminary announcement ahead of its official publication on September 20, 2023. Some details might change.****

We are looking for a highly motivated and talented bioinformatician specialised in comparative genomics and sequence analysis. The appointee will work on collaborative research projects with members of the local scientific community that are generating novel

data (whole genome sequences, transcriptomes, RNAseq, metagenomics, etc.).

Tasks: The selected person will be specifically responsible for: 1) Providing support to the Balearic Biodiversity Centre (www.centrebaleardebiodiversitat.uib.es); 2) Genome and transcriptome assembly and annotation; 3) Comparative genomics; 4) Sequence analysis; 5) Setting up genomic data analysis pipelines on local servers.

Team: The Balearic Biodiversity Centre (www.centrebaleardebiodiversitat.uib.es), at the University of the Balearic Islands gathers a team of researchers, technical staff, facilities and equipment whose motivation is the generation of knowledge about the rich natural environment of the Balearic archipelago and its biodiversity, the conservation of reference natural history collections and associated data. The CBB consists of four units: the Genomics Unit, the Natural History Collections Unit, the Data Management Unit and the Training and Outreach Unit. The person recruited will join the Genomics Unit but is expected to contribute to the establishment and development of the CBB as a reference in biodiversity studies, offering multidisciplinary services to the scientific community at regional and national level and being a strong partner in international initiatives.

Qualification requirements and competences 1) Master's degree in Bioinformatics, Computer Science, Computational Biology, Evolutionary Biology, Biomedical Engineering, Telecommunications Engineering or related fields. 2) At least three years of related experience (Including PhD if applicable) 3) Fluency in English. A high level of Spanish/Catalan will be a plus. 4) Practical experience in bioinformatics programming (e.g. Python, C and/or Java) and Git repositories 5) Experience with Unix and command line 6) Experience with genome assembly and annotation, particularly using large fragments of NanoPore. Knowledge of Epi2me ONT 7) Experience in latest generation sequencing data analysis, such as full genome sequencing, RNA-Seq and population genomics 8) Experience configuring genomic data analysis pipelines and using Nextflow-type tools 9) An interest in studying biological patterns by using genomic approaches 10) Contributing to developing and maintaining bioinformatics tools and collaborations on solid scientific work (peer reviewed publications in high-quality journals) 11) Excellent communication and collaboration skills. 12) Handling bioinformatics tools developed in Singularity, Docker, Galaxy or Elixir would be a plus.

We offer - This position is funded by the HiTech Platform - Institute for Computational Applications and Community Code - Biodiversity (IAC3- BIO) at the University of the Balearic Islands. - Full monthly remuneration 2.718,20 euro (gross salary). - Permanent and full-time position (37,5h per week). - An academically stimulating environment. A friendly and inclusive workplace. - A good work-life balance and access to Spanish excellent public services and welfare schemes, including free and accessible education and healthcare. - The possibility of a mixed on-site and distance working regime may be considered in very specific circumstances and on a case-by-case basis.

How to apply - The formal application will be announced on September 20, 2023, through the UIB website https://investigacio.uib.es/Contractacio/-Convocatories-vigents/, and will be open for about 10 days. You will be required to include a CV (with details on education, previous positions/experience, other qualifying activities, list of publications) and a short video curriculum. The Selection Committee will only evaluate candidates who have formally registered the application. - Do not hesitate to contact us (centre.biodiversitat@uib.es) if you need help with this process or for any informal request regarding the position. - Short-listed candidates will be interviewed. We may also request two references (name, relationship to candidate, e-mail, and phone number).

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UBremen AdaptationEnvChange

PROFESSORSHIP (F/M/D) FOR THE FIELD OF ANIMAL ECOLOGY

FACULTY 2 BIOLOGY/CHEMISTRY

CLASSIFICATIONS W 2 - FULL-TIME REFERENCE NUMBER: P287/23 CLOSING DATE: 09/30/2023 Public vacancy

Open to unconventional approaches in research and teaching, the University of Bremen has retained its character as a place of short distances for people and ideas since its foundation in 1971. With a broad spectrum of subjects, we combine exceptional performance and great innovative potential. As an ambitious research university, we stand for the approach of research-based

learning and a pronounced orientation towards interdisciplinarity. We actively shape scientific cooperation worldwide in a spirit of partnership.

Today, around 23,000 people learn, teach, research and work on our international campus. In research and teaching, administration and operations, we are firmly committed to the goals of sustainability, climate justice and climate neutrality. Our Bremen spirit is expressed in the courage to dare new things, in supportive cooperation, in respect and appreciation for each other. With our study and research profile and as part of the European YUFE network, we assume social responsibility in the region, in Europe and in the world.

Department 2 (Biology/Chemistry) has a vacancy in the field of biology for a

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PROFESSORSHIP (F/M/D)

FOR THE FIELD OF ANIMAL ECOLOGY

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Grade W2 in the civil service for life (if the civil service law requirements are met).

JOB DESCRIPTION

We seek an individual whose orientation is connectable with and cooperatively advances research at the Institute of Ecology, especially those on the topic: responses and adaptations to environmental change. We welcome applicants* who are interested in invertebrate ecology at the level of individuals, populations, or communities to ecosystems or landscapes. This may involve methods of bioinformatics, and molecular biology as well as experimental manipulation and field work. A commitment to communicating scientific content and solutions related to the biodiversity crisis and the UN Sustainable Development Goals - including to non-scientists* - is strongly encouraged.

If these are your topics, then you have come to the right place.

We look forward to your dedicated commitment in the Bachelor's program in Biology as well as in the international Master's program in Ecology. We expect you to be willing to innovatively develop the courses offered within the framework of research-based learning, to undergo further didactic training, and to supervise Bachelor's and Master's students. If you do not yet have sufficient language skills for teaching in the German-language Bachelor's program, we would like you to acquire them within a reasonable period of time (up to three years) and will be happy to support you in this process.

In addition to outstanding scientific qualifications in the field of animal ecology - as evidenced by high-quality publications, successful third-party funding and corresponding experience in teaching as well as in the supervision of young scientists - the appointment procedure should identify such candidates who distinguish themselves in the overall context of sustainable development and climate justice through activities in interdisciplinary teaching, in such research networks or in cooperation with NGOs, educational institutions or government agencies.

REQUIREMENTS

Requirements for appointment are a university degree in biology or related fields, a very good doctorate, as well as habilitation or equivalent achievements, teaching experience, didactic aptitude. Experience in taking gender perspectives into account in research and teaching is also essential. The appointment is based on ï¿½ 18 BremHG and ï¿½ 116 BremBG.

GENERAL HINTS

The University of Bremen is discrimination-sensitive, diverse and family-friendly. It offers a variety of services to support new recruits, such as the Welcome Center, childcare and the Dual Career Program, complemented by staff development and continuing education offerings. It is committed to implementing the diversity strategy at all levels. We intend to increase the proportion of women in science and in top positions and therefore expressly encourage female scientists to apply. We also particularly welcome applications from people with a migration background and international applications. Severely disabled applicants with essentially the same professional and personal qualifications are given priority.

Please send us your application with curriculum vitae, references, list of publications, project and third-party funding overview, proof of teaching experience, and planned research

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UCalifornia Berkeley EmergingZoonoses

UCBerkeley.EmergingZoonoses

Candidates who work on the ecological, epidemiological and/or evolutionary drivers of human-relevant zoonotic infectious disease are encouraged to apply.

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The Department of Integrative Biology (IB) and the Division of Infectious Diseases and Vaccinology (IDV) of the School of Public Health (SPH) at the University of California, Berkeley, seek an interdisciplinary scientist working on the ecological, epidemiological and/or evolutionary drivers of human-relevant zoonotic infectious disease.

We seek a colleague who develops and applies fundamental ecological and evolutionary approaches to meet the challenge of zoonotic diseases in human populations. Represented areas of interest include pathogen, zoonotic host, and vector ecology; phylogenomics and computational biology; environmental and global change impacts on emergence and transmission; and the evolutionary drivers of emergence and adaptation to the human population. Ideal candidates will have strong field, lab and/or computational components to their research. Candidates will be expected to have a strong interest in both undergraduate and graduate teaching and to contribute to instruction in core courses relevant to IB and SPH.

The successful candidate will be expected to establish a thriving, externally funded research program to effectively train and mentor students and will be expected to contribute to instruction in core courses relevant to IB and SPH. Competitive candidates will demonstrate evidence of outstanding research productivity, potential to obtain external funding, a commitment to excellence in teaching and in mentoring of undergraduates, graduate students, and post-docs, and a commitment to advancing equity, inclusion, non-discrimination, and belonging consistent with Berkeleys principles of community.

UCB has exceptional strengths in many areas of biology and engineering, and our new colleague will have the opportunity to partner in research, teaching and leadership in both IB, SPH and the larger Berkeley community. We are committed to addressing the family needs of faculty, including dual career couples and single parents. We are also interested in candidates who have had non-traditional career paths, who have taken time off for family reasons, or who have achieved excellence in careers outside academia. For information about potential relocation to Berkeley, or career needs of accompanying partners and spouses, please visit: [http://ofew.berkeley.edu/new-faculty] . Qualifications

- Basic qualifications (required at time of application) - PhD (or equivalent international degree), or enrolled in PhD or equivalent international degree-granting program at the time of application. - Additional qualifications (required at time of start) - PhD degree (or equivalent international degree) must be held by start date.

Preferred qualifications - Applicants with an exceptional research record in infectious disease, ecology, evolution, and/or epidemiology pertaining to zoonoses are encouraged to apply. - Preferred qualifications also include that applicants : - Demonstrate excellence, originality, and productivity in research record in any area of zoonoses - Demonstrate evidence of commitment to undergraduate and graduate teaching and research mentoring, as well as public outreach - Demonstrate evidence of commitment to fostering diversity, equity, inclusion, non-discrimination, and belonging - Demonstrate success for/potential for success in securing external funding

Application Instructions Required materials:

Document requirements - Curriculum Vitae - Your most recently updated C.V. - Cover Letter - Statement of Research Objectives - Statement of Teaching Interests - Statement on Contributions to Advancing Diversity, Equity, and Inclusion - Statement on your contributions to diversity, equity, and inclusion, including information about your understanding of these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion if hired at Berkeley. More Information and guidelines. - Brief Description of Research Accomplishments - Significant Publication #1 - In addition to your publication, provide a statement that begins with the manuscript title and author list and then summarize, in approximately 300 words, the significance of the selected publication. - Significant Publication #2 - In addition to your publication, provide a statement that begins with the manuscript title and author list and then summarize, in approximately 300 words, the significance of the selected publication. - Significant Publication #3 - In addition to your publication, provide a statement that begins with the manuscript title and author list and then summarize, in approximately 300 words, the significance of the selected publication.
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Reference requirements

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UCalifornia Davis EvolutionaryOriginHumans

Assistant Professor in Biological Anthropology at the University of California, Davis

The Department of Anthropology at the University of California, Davis invites applications for a tenure-track Assistant Professor position focused on evolutionary approaches to understanding the origins of human morphological and/or physiological diversity, by studying changes in the biological characteristics of humans, our living relatives, and/or our fossil relatives and the causes of these changes.

For more information and to apply, please go to https://-/recruit.ucdavis.edu/JPF05997 . Timothy D. Weaver (he/him) Professor Department of Anthropology University of California One Shields Avenue Davis, CA 95616, USA

+1 530-554-2300 tdweaver@ucdavis.edu paleoanthropology.ucdavis.edu

Timothy D Weaver <tdweaver@ucdavis.edu>

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UHawaii PlantGenomics HerbariumDirector

https://www.schooljobs.com/careers/hawaiiedu/jobs/-4222578/assistant-professor-plant-genomics-herbarium-director The School of Life Sciences, in the College of Natural Sciences at the University of HawaiÂat MÄnoa, welcomes applications for the position of Assistant Professor with a research program focused on Plant Genomics and to serve as Herbarium Director.

The University of HawaiÂat MÄnoa (UHM) is a Native Hawaiian place of learning and a Carnegie Research 1 University with a strong emphasis on research and undergraduate and graduate education. Our vision is to be locally and globally recognized as a premier student-centered and community-serving university. UHM adheres to fair and inclusive recruitment and hiring procedures, and is a campus committed to diversity, equity, and inclusion excellence. For more information on the MÄnoa Strategic Plan and additional information about Manoa's Strategic Vision as a Native Hawaiian place of learning, visit https://manoa.hawaii.edu/strategicplan/. For more information on the school, please visit https://-/manoa.hawaii.edu/lifesciences/ . Duties and Responsibilities:

The School of Life Sciences at the University of HawaiÂat Manoa seeks a tenure-track Assistant Professor in Plant Genomics who will also serve as the Director of the UHM Joseph F. Rock Herbarium. We are searching for a highly creative and interactive scholar who works at the genome scale to address questions about the ecology and evolution of plants. We welcome candidates who use emerging sequencing and informatics tools to work on non-model systems, especially organisms native to, or naturalized in, Hawai'i and the Pacific. We particularly encourage applications from researchers investigating population connectivity, speciation, adaptation, species interactions, phylogenetics, systematics, or conservation using genome or exome data, and/or gene regulatory mechanisms. Experience or interest in working with herbarium, archeological or other types of preserved specimens is welcomed. The successful candidate will join an integrative Life Sciences program with broad interests in evolution, ecology, conservation, organismal biology, and cell and molecular biology, offering undergraduate and graduate degree programs in Biology, Botany, Microbiology, Marine Biology, Cell and Molecular Biology, and Zoology.

The duties of this position include establishing a vigorous extramurally funded research program in plant genomics, scholarly publications in leading academic journals in areas of expertise, and providing mentoring for postdoctoral scholars, and undergraduate and graduate students. The successful candidate will also contribute to the School of Life Sciences by developing and teaching courses in plant genomics for undergraduate and graduate students in the Life Sciences, serving on university committees and performing related tasks as assigned, and collaborating with scientists in the School of Life Sciences and the University of HawaiÊ≫i community.

Teaching duties will include plant systematics, and other courses as assigned, including developing novel courses

in topics related to expertise including -omics based approaches to plant biology, and implementing computational methods and tools in course settings to help strengthen the curricula. Duties also include supervising student independent study/research activities; training and mentoring undergraduate and graduate students; serving on departmental, college, and university committees; rendering service to the professional and lay community relevant to the individual's academic specialty; participating in curriculum development activities such as developing course materials and special instructional methods; participating in graduate committees; developing an externally funded research program leading to publication in leading scholarly journals; performing related tasks as assigned.

Additional Duties:

Successful candidates will assume directorship of the Joseph F. Rock Herbarium (HAW), which serves as the official university repository for botanical plant, algal, fungal, and lichen accessions. The herbarium comprises approximately 50,000 dried plant specimens, with particular emphasis on vascular plants of Hawaiâand the Pacific. This work has been supported with student assistance, and we anticipate that curation duties will comprise approximately 10% of effort.

Minimum Qualifications:

1. A Ph.D. in an area of the Life Sciences or other related disciplines from an accredited institution 2. Evidence of research productivity through publication of scholarly materials in the field of plant genomics

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UMiami Two EcolEvolutionaryBiol

UMiami.EcologyEvolutionaryBiology

Two Open Rank Positions in Biology

TheDepartment of Biologyin the College of Arts and Sciences at the University of Miami invites applications for two tenure-track or tenure-eligible faculty positions, to begin August 15, 2024. The positions are in the broad focal areas of: 1) Molecular, Cellular, and Developmental Biology (MCDB); and 2) Ecology and Evolutionary Biology (EEB). In addition to being outstanding scientists, applicants must be excellent teachers with strong commitments to undergraduate and graduate education. Applications will be considered at all levels: Assistant Professor, Associate Professor, and Professor; eventual successful appointments will be at the rank of Assistant Professor to Professor for one position and Assistant Professor to Associate Professor for the other.

We welcome applications from candidates who would enhance or complement our existing departmental programs in Biodiversity & Global Change, Tropical Ecology & Evolution, Development & Disease, Neuroscience & Behavior, and Microbiome Biology & Species Interactions. To be eligible for this tenure-track or tenure-eligible appointment, 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 diversity, equity, and inclusion.

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, teaching,and diversity, equity and inclusion.For reference, information about the University of Miami's pursuit of Racial Justice can be found here:https://president.miami.edu/-inclusion/index.html . Application documents should be merged and submitted as a single pdf file online via the UM Careers website for the EEB search: https://umiami.wd1.myworkdayjobs.com/en-US/-UMFaculty/details/College-of-A-S—Biology—FAC—Ecology-and-Evolutionary-Biology—Asst-Professor—Professor_R100070576and for the MCDB search: https://umiami.wd1.myworkdayjobs.com/en-US/-UMFaculty/details/College-of-A-S—Biology—FAC—Molecular–Cellular-and-Developmental-Biology—Asst-Professor—Professor_R100070575 . As appropriate, applicants can apply to both searches.

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 15 October 2023. More information about the Department and University can be found athttps://www.biology.as.miami.edu. Inquiries should be directed to the Search Chairs for the MCDB search at:mcdb.search@miami.eduand EEB search at:eeb.search@miami.edu The University of

Miami is an Equal Opportunity 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 herehttps://-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.

Amy Zanne <aezanne@gmail.com>

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UMichigan EvolutionEcology

Assistant and/or Associate Professor, tenure track

The Department of Ecology and Evolutionary Biology (EEB) in the College of Literature, Science and the Arts at the University of Michigan seeks exceptional applicants to nominate for the LSA Collegiate Fellows Program (LCF). Scholars whose research and/or teaching, and/or service will contribute to our interconnected goals of excellence, diversity, equity, and inclusion are especially encouraged to apply.

We welcome applications from early career (e.g., postdocs and finishing graduate students) and mid-career (early-in-rank associate professors or scholars in the year they are seeking promotion to associate rank) scholars in any area of ecology and/or evolutionary biology. Applicants who are interested in being considered for a curatorial role in the Herbarium or Museum of Zoology should indicate that in their application materials.

The early-career program can provide either one to two years of postdoctoral fellowship support with tenure-track assistant professors offers to follow the fellowship period or immediate tenure-track appointments in LSA departments. Successful candidates will receive dedicated research time, mentorship, research and travel funding, and cohort- and program-based professional development opportunities related to scholarship and teaching.

The associate professor program seeks to hire early-in-rank associate professors or scholars in the year they are seeking promotion to associate rank. In their first year, successful candidates will participate in a cohort-based professional development program designed to support DEI leadership in their service and administrative roles.

The LSA Collegiate Fellows Program was launched in 2016 as a major college initiative aimed at promoting an intellectually rich and inclusive scholarly environment, recruiting and retaining exceptional early career faculty scholars, and supporting these outstanding scholars who are committed to working with college colleagues to build a diverse, equitable scholarly and learning community. The program is administered by U-M's National Center for Institutional Diversity (NCID) in conjunction with LSA academic departments.

Applications AND reference letters are due by Monday, October 16, 2023, at 11:59 p.m. ET. Applicants must apply through the application portal in order to be considered for the Collegiate Fellows Program. However, we request that applicants submit their materials (except letters) to EEB first by September 16, 2023 by emailing a single PDF to eeb-chair@umich.edu.

Eligibility requirements, and crucial application information can be found at http://myumi.ch/JYppY. Inquiries about the LCF may be directed to lsacollegiate@umich.edu. Inquiries about EEB can be directed to Nate Sanders, Chair of EEB, at eeb-chair@umich.edu.

Alison Davis Rabosky <ardr@umich.edu>

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UMississippi MolecularEvolution

Assistant Professor in Molecular Evolution

The Department of Biology at the University of Mississippi invites applications for a tenure-track position

at the Assistant Professor level in Molecular Evolution. We seek candidates using genomic and/or computational approaches to study consequential questions in evolutionary biology. The successful candidate will be expected to establish an active, externally funded research laboratory, and teach courses related to their area of expertise. This position will complement and extend existing departmental strengths in ecology and evolution, symbiosis and species interactions, biodiversity and conservation biology, cell and molecular biology, and neuroscience and behavior (http://biology.olemiss.edu).

The Department of Biology is a vibrant, broad-based department that consists of 22 tenure-track and 13 instructional faculty members, and educates over 800 undergraduate biology majors and 53 graduate students (Ph.D. and M.S.). The University of Mississippi is a Carnegie-Designated R1 Highest Research University located in Oxford, Mississippi, a college town known for its outstanding educational and cultural opportunities. The University of Mississippi has been repeatedly recognized by the Chronicle of Higher Education as a "Great College to Work For." The Department of Biology recognizes the importance of building a diverse faculty and welcomes applicants from groups underrepresented in science.

Minimum Qualifications Applicants must have an Ph.D. degree in Biology or a related field and post-doctoral experience.

Application Procedures Applications should include: (1) cover letter outlining interest and suitability for the position, (2) curriculum vitae, (3) a 2-page research statement, which includes experience and research interests as well as suitability for funding (4) a 2-page teaching statement, which includes experience and teaching interests, (5) a 1-page diversity statement addressing approaches to promoting inclusivity in teaching and research, (6) names and contact information for at least three references. Review of applications will begin October 9 and continue until the position is filled.

Position Details Appointment (9 Month) Assignment Type (Tenure Track)

Application Procedures Combine the documents into two individual documents and utilize the "cover letter" and "resume" upload feature.

About the University of MS & Oxford, MS Founded in 1848, the University of Mississippi (UM), affectionately known to alumni, students and friends as Ole Miss, is Mississippi's flagship university. Included in the elite group of R-1: Doctoral Universities - Highest Research Activity by the Carnegie Classification, it has a long history of producing leaders in public service, academics and business. The University of Mississippi, consistently named by The Chronicle of Higher Education as a "Great College to Work For," is located in Oxford, MS, which is ranked one of the "Top 10 Best College Towns." With more than 24,000 students, UM is the state's largest university and is ranked among the nation's fastest-growing institutions. The University of Mississippi, which has aggressively implemented many health and wellness initiatives for its more than 2,900 employees, has consistently been named one of Mississippi's Healthiest Workplaces.

Touted as the "Cultural Mecca of the South", creativity abounds in Oxford as musicians, artists and writers alike find inspiration in Oxford's rich history, small town charm and creative community. Oxford is a one-hour drive south of Memphis, TN and is known as the home of Nobel Prize winning author William Faulkner. Over the years Oxford has also been known for offering exceptional culinary experiences and as the home of the University of Mississippi and the Ole Miss Rebels, there is always something here to immerse yourself in. Oxford has also been featured as a literary and arts destination in such publications as The New York Times, Southern Living, Condé Nast Traveler, and GQ. Among other cultural activities, annual events include the Oxford Film Festival, a thriving local music scene, and the Ford Center Performing Arts Series. Oxford is a vibrant university town, filled with unique shops and galleries, eclectic restaurants and clubs, historic landmarks, and comfortable inns.

Background Check Statement The University of Mississippi is committed to providing a safe campus community. UM conducts background investigations for applicants being considered for employment. Background investigations include a criminal history record check, and when appropriate, a financial (credit) report or driving history check.

EEO Statement The University of Mississippi provides equal opportunity in any employment practice, education program, or education activity to all qualified persons. The University complies with all applicable laws regarding equal

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UofLouisiana Two EcologyEvolution

Two Assistant Professor Positions in Ecology or Evolutionary Biology

The University of Louisiana at Lafayette, Department of Biology (http://biology.louisiana.edu), invites applications to fill two tenure-track positions at the Assistant Professor level starting in Fall 2024. We are recruiting outstanding scientists with promising research programs that are committed to advancing our traditions in equity and inclusion. We broadly encourage applications from biologists studying various fields in ecology and evolutionary biology. We will also consider outstanding applications from other fields that fit within our department. Successful hires in this position should be able to provide instruction at the advanced undergraduate or graduate level in at least one (and preferably two) of the following areas: Environmental Toxicology, Ecosystem Ecology, Ecological Field Methods, Ecological Modeling, Marine Ecology, Invertebrate Zoology, Animal Behavior, Experimental Design, Comparative or Ecological Genomics, Plant Physiology, Systematic Methods, or Plant Systematics. These positions are part of a cluster of at least 4 positions targeted for Fall 2024 to strengthen teaching and research in the areas of ecology, evolution, and biomedical science, and to advance equity, inclusion, and diversity at the University of Louisiana at Lafayette.

The University of Louisiana is an R1 doctoral research institution The UL Lafayette Department of Biology is one of the largest biology programs on the Gulf Coast, with approximately 30 faculty members, 70 graduate students, and approximately 900 undergraduate students. Support for research includes aquatics labs, departmental vehicles, greenhouses, shared lab instrumentation, the Ecology Center, Microscopy Center, a mouse vivarium, and New Iberia Research Center (a primate facility). UL Lafayette is also a member of the Louisiana Universities Marine Consortium (LUMCON) marine lab in Cocodrie, LA. Opportunities for collaboration are available within the department, and with personnel at university affiliated centers and the USGS Wetland and Aquatic Research Center in Lafayette.

Qualifications:

Minimum qualifications are a doctorate in a relevant field, a significant publication record, and postdoctoral experience. Successful applicants will be expected to establish a vigorous and externally funded research program, teach courses to advanced undergraduate and graduate students, and to participate in our Ph.D. program in Environmental and Evolutionary Biology. These positions have a workload expectation of 60% research, 20% instruction (one lecture or lecture/laboratory course per semester) and 20% service. Successful candidates must be committed to working effectively with diverse student populations. Salary is commensurate with experience. Successful applicants will have a robust academic record.

Required application components include: a cover letter, contact information for 3 references, curriculum vitae, statement of research interests, statement of teaching interests, and a diversity statement describing a commitment to fostering a diverse educational environment through research, teaching, and/or service activities. These materials should be uploaded as a single pdf. More information about the positions and a portal to upload application materials can be found at https://louisiana.csod.com/ux/ats/careersite/-1/home/requisition/2488?c=louisiana .Letters of reference will only be solicited after initial review of an applicant's qualifications.

Applications submitted by November 1, 2023 will receive preferential consideration. The review process will continue until the position is filled. Inquiries should be directed to Sondra Meyers, (Sondra.Meyers@louisiana.edu).

*The University of Louisiana at Lafayette does not discriminate on the basis of race, color, national origin, age, religion, sex, sexual orientation, or disability in admission to, access to, treatment in, or employment in its programs and activities as required by Title VI and Title VII of the Civil Rights Act of 1964, Age Discrimination in Employment Act of 1967, Age Discrimination Act of 1975, the Equal Pay Act of 1963, Title IX of the Education Amendments of 1972, Executive Order 11246, Section 503 and 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 and the 1990 Americans With Disabilities Act. - See more at: http://personnel.louisiana.edu/employment-opportunities/policy-nondiscrimination Nicholas J. Kooyers, PhD. Harold & Adele Comeaux/BORSF Endowed Professor of Biology University of Louisiana, Lafayette V.L. Wharton Hall 506 Lafayette, LA 70503

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URichmond VisitingProfessor TeachingEvolution

Greetings,

Please share the linked job ad for a Visiting Assistant Professor position in organismal/evolutionary biology at the University of Richmond with the evoldir listserv. The job a is linked below and I am happy to answer any questions you or prospective applicants might have about the position. Thank you!

https://richmond.csod.com/ux/ats/careersite/1/-home/requisition/3011?c=richmond Sincerely,

Jory

R. Jory Brinkerhoff, Ph.D. Professor and Assistant Chair Department of Biology, University of Richmond Richmond, VA 23173 804-484-1592 jbrinker@richmond.edu

Honorary Research Fellow School of Life Sciences, University of KwaZulu-Natal Pietermaritzburg, South Africa

“Brinkerhoff, Jory” <jbrinker@richmond.edu>

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USDA-Oregon ShellfishGenomics

https://jobs.oregonstate.edu/position_descriptions/-143519 Job Summaryâ€

This position is located within the USDA-ARS Pacific Shellfish Research Unit at the Hatfield Marine Science Center in Newport, OR.

Key Responsibilitiesâ€â€â€85% Research Assist and carryout laboratory experiments focused on molecular biology and genetics. Monitor live animal experiments and collect data. Analyze experimental data, interpret results, and draw conclusions based on those analyses and interpretations. Update lab protocols, create new lab protocols.

10% Supervision and Lab Management Plan and assign work for hourly undergraduate students. Maintain, enforce and manage safety protocols and guidelines. Prepare and keep stocks of buffers and other lab supplies and consumables. Keep inventories of chemicals and supplies and advise on purchasing.

5% Publications and Presentations Contribute to/co-author research publications in collaboration with USDA and OSU scientists. Present research at conferences, meetings and public forums

What You Will Need:

Bachelor’s degree in molecular and cell biology, microbiology, fisheries, or marine sciences. 2-years’ experience with molecular biology methods including nucleic acid extractions, PCR and electrophoresis. Familiarity with the collection, organization, and statistical analysis of data.

Good communication and collaboration skills. A commitment to promoting and enhancing diversity.

What We Would Like You to Have:â€â€â€â€â€â€

MSc. degree in Marine or Freshwater Aquatic Sciences. Experience culturing marine invertebrates, especially bivalve larvae and adults. Experience with cloning and microinjection. Experience with R, Bioconductor, and other bioinformatic software and methods. Experience writing scientific documents, such as research reports and papers. Ability and experience to work in the field.

Working Conditions / Work Schedule:â€â€

Work may require field sampling outdoors in muddy areas with adverse weather. Work may require traveling/driving to oyster farms for planting or sampling.

The incumbent may be expected to work on a non-standard schedule including evenings and weekends depending on the needs of the project. Pay Methodâ€âPay Periodâ€â€1st through the last day of the month Pay Dateâ€â€â€âworking day of the month Recommended Full-Time Salary Rangeâ€â€$45,000 - $58,000

Apply at:â€â€https://jobs.oregonstate.edu/-position_descriptions/143519 “Calla, Bernarda - REE-ARS” <Bernarda.Calla@usda.gov>

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UTexas Austin BiodiversityScience

Biodiversity Science Assistant Professor with Excellence in Mentoring

The Department of Integrative Biology at the University of Texas at Austin seeks to fill a faculty position in the field of Biodiversity Science, broadly defined, with a focus on candidates who share our commitment to mentoring and supporting trainees from all backgrounds and career stages. The position will be filled at the level of Assistant Professor. The research foci of IB faculty include evolutionary, ecological, and behavioral factors contributing to the diversification of, and interactions among, organisms in their natural environments. We seek to add an early-career faculty member who will advance our research and teaching mission by adding strength and potential collaboration in any biodiversity science field that complements research areas of our community. Additionally, we seek a candidate who possesses outstanding capacity and motivation to devote time and effort to mentorship, enhancing the experience and performance of their own graduate students as well as others in the Ecology, Evolution and Behavior (EEB), Plant Biology (PB), Interdisciplinary Life Sciences (ILS), and other graduate programs in which IB faculty participate. UT is home to the Biodiversity Center, which oversees the new Texas Field Station Network as well as our Biodiversity Collections. The successful applicant will have access to these and other UT resources for teaching and/or research in biodiversity.

We seek applicants with a strong record of high-quality research, publications, extramural funding, and a commitment to excellence in mentorship and teaching that serves trainees from varied backgrounds. A PhD or equivalent is required at the time of appointment, and postdoctoral research experience is strongly recommended.

Applicants should submit the following items via Interfolio at apply.interfolio.com/132398: (i) cover letter with contact information (1 page), (ii) CV, (iii) research statement (up to 3 pages), (iv) teaching statement (up to 2 pages), (v) mentoring statement addressing the applicant?s mentoring philosophy including their past contributions and/or future goals to create environments that support recruitment, retention, and career advancement for all members of our academic community (2 pages), (vi) up to 5 reprints/preprints in one PDF document, and (vii) names and contact information for three references, including at least one referee who can comment on the candidate's activities and contributions to mentorship. Reference letters will be requested from selected applicants at a later date. Applications received by October 30, 2023 will be assured of full consideration. For additional information about the department, see https://integrativebio.utexas.edu . "Zamudio, Kelly R" <kelly.zamudio@austin.utexas.edu>

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UVirginia EvolutionInfectiousDisease

Candidates studying microbiology and infectious disease from evolutionary or ecological angles are encouraged to apply.

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The University of Virginia invites applications for multiple tenure-track Assistant Professor appointments in Microbiology and/or Infectious Disease in the highly interdisciplinary Department of Biology. We seek applicants whose research addresses fundamental problems in microbiology, infectious agents broadly defined, and/or host-microbial interactions. The successful applicants will complement or broaden existing strengths within the Department and are expected to establish a rigorous, independent, and externally funded research program and to teach at undergraduate and graduate levels. We seek to recruit faculty from diverse backgrounds who value diversity and are passionate about having a positive impact on society and the world. The Department of Biology and the University of Virginia provide resources to facilitate a wide range of research programs including those requiring modern animal care, greenhouse, and aquatic husbandry facilities. Research programs also benefit from access to the Universityï¿½ï¿½s state-of-the art computing, genomics, metabolomics, and imaging facilities. The Department maintains a variety of field sites including Mountain Lake Biological Station. Close ties with other Departments in the College of Arts and Sciences, as well as the Schools of Medicine, Data Science, Engineering, and the Biocomplexity, Brain, and Environmental Institutes broaden the intellectual community of Department members.

Qualifications Applicants must have a Ph.D., or equivalent degree, and post-doctoral research experience in Microbiology or Infectious Disease or a relevant field. A successful applicant will also have demonstrable research accomplishments and plans of outstanding quality and significance, as well as a commitment to excellence in teaching and mentoring. Enthusiasm for participating in a diverse, collegial, interdisciplinary, and collaborative environment is strongly preferred.

Application Instructions Required materials: 1. Cover letter of interest that includes a summary of your research plans, your teaching interests and experience, and
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how you have contributed to a departmental and university culture of diversity and inclusion and/or working with diverse populations (ï¿½ï¿½ 2 pp) 2. Curriculum vitae 3. Research statement that describes your vision for your research program at the university (ï¿½ï¿½ 3 pp) 4. Statement on teaching and scientific mentoring detailing your experience and goals (ï¿½ï¿½ 2 pp) 5. Contact information for three references

To apply to this position please follow http://-apply.interfolio.com/130419 For questions regarding the position, please contact search chair Jennifer Guler at idmicrosearch@virginia.edu

"Bergland, Alan Olav (aob2x)" <aob2x@virginia.edu>

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UVirginia InfectiousDiseaseEvolution

The University of Virginia is seeking innovative and collaborative applicants for a joint tenure-track faculty position at the rank of assistant professor as part of the Contagion Science Program expected to begin August 24, 2024. The program is designed to foster pan-university leadership and excellence in contagion science research and education. See full description of the program at: https://contagion-science.virginia.edu. We seek applicants whose research and teaching advance knowledge of the behavior, mechanism, and characteristics of contagious phenomena, spanning from the origins, evolution, and epidemiology of infectious diseases to the social, behavioral, economic, and/or health consequences of contagions.

The successful candidate will hold a joint appointment in the Department of Biology and a social science department in the College that fits their intellectual interests (including but not limited to the Department of Economics, Political Science, Sociology, and Anthropology). The successful candidate is expected to establish a rigorous, independent, and externally funded research program that trains and mentors students, to contribute to instruction at undergraduate and graduate levels, and to perform service for the institution and professional organizations. Desired skills include but are not limited to computational modeling, social network analysis, information diffusion modeling, and simulations. We seek to recruit faculty from diverse backgrounds who are passionate about cross-disciplinary education and training for diverse audiences.

This position is part of a prestigious strategic research initiative funded by the University and organized through the Biocomplexity Institute which represents a broad and comprehensive partnership of the College of Arts & Sciences (A&S), and the schools of Engineering and Applied Science (SEAS), Data Science (SDS), and Medicine (SOM). Multiple tenure-track faculty will be hired as part of this initiative. This position provides an opportunity to collaborate with other Contagion Science faculty and draws upon the resources of the Biocomplexity Institute, including access to research staff and deep expertise in computational approaches for studying complex systems, from bioinformatics to high-performance computing, and agent-based modeling.

Qualifications Applicants must have a PhD (or equivalent international degree) or be enrolled in and have received their degree by the start date. A successful applicant will also have demonstrated originality and productivity in research, commitment to undergraduate and graduate teaching and research mentoring.

Application Instructions To apply for this position please follow http://apply.interfolio.com/130429 and attach the required documents:

Review of applications will begin on November 1, 2023. Only complete applications will be considered and review of completed applications will continue until the position is filled.

Required materials for complete application: 1. Cover letter of interest that includes a summary of your research plans, your teaching interests and experience, your preferred departmental affiliations, and demonstrated past experience relevant to advancing the UniversityÂÂs 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. (ÂÃ 2 pp) 2. Curriculum vitae ÂC most recent version 3. Research statement describing your vision for your research program at the University (ÂÃ 3 pp) 4. Statement of teaching and scientific mentoring philosophies detailing your experience and goals (ÂÃ 2 pp) 5. Three letters of recommendation from individuals familiar with your work and potential.

The University will perform background checks on all new hires prior to employment.

For questions regarding the position, please contact search chair Michael Timko, Lewis and Clark Professor of Biology at mpt9g@virginia.edu

The University of Virginia is annually ranked as one of the premier public institutions in the United States.

The University is located in Charlottesville, VA a picturesque and vibrant small city perennially ranked as one of the best places to live in the U.S. More information about town, the school, faculty benefits and other topics can be found at https://provost.virginia.edu/subsite/-faculty-affairs/new-faculty-candidate-resources . 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

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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

UWyoming AvianEvolution

Assistant Professor in Ornithology

The Department of Zoology and Physiology at the University of Wyoming invites applications for a tenure-track position in Ornithology at the rank of Assistant Professor. We invite applications from candidates using diverse systems and approaches to study the physiological or evolutionary ecology of birds. We envision an independent researcher who will develop a strong, extramurally funded research program, and who will excel in a highly collaborative university setting. We seek a colleague who is committed to participating in the community through teaching, research, service, and undergraduate and graduate student mentoring. The individual will be expected to contribute to the academic missions of the department and the interdepartmental Ph.D. program in Ecology and Evolutionary Biology. The individual will also be expected to be an integral member of WYOBIRD (Wyoming Bird Initiative for Resilience and Diversity). The successful candidate will be expected to teach in undergraduate and graduate programs and should be committed to mentoring and fostering diversity.

WYOBIRD is a new initiative led by faculty working on research on birds at the University of Wyoming. The initiative includes hands-on training programs for students, local outreach, quantitative workshops, invited seminar speakers, and networking opportunities. This hire will be a part of this exciting new initiative and will have the opportunity to develop new programs as part of it. This hire will also have access to several state-of-the-art core research facilities within the department and university, including the Genome Technologies Laboratory, Ecology and Biogeochemistry Core Lab, Stable Isotope Facility, and the UW-NPS Research Station in Grand Teton National Park. At UW, faculty are highly collaborative across units, and there are frequent opportunities for close interaction with other faculty in other departments and schools.

The University of Wyoming is located in Laramie, a town of 30,000 in the heart of the Rocky Mountain West. Located in a high mountain valley 25 minutes from the Colorado border, Laramie offers both outstanding outdoor recreational opportunities and is within 2.5 hours of a major international airport. This beautiful mountain landscape offers outdoor enjoyment in all seasons, with skiing, hiking, climbing, camping, and fishing in nearby mountain ranges to the east and the west.

Candidates must have a Ph.D. in ecology, evolution, physiology, biology, or a closely related field, excellent written and oral communication skills, high potential for an extramurally funded research program, demonstrated capacity for effective teamwork and collaboration, and high potential for improving equity and inclusion for diverse participants in science education and scholarship.

Review of applications will begin November 6. Complete an on-line application (https://eeik.fa.us2.oraclecloud.com/hcmUI/-CandidateExperience/en/sites/CX_1/job/233280) and upload the following documents as a single PDF file: 1) a cover letter (2 pages max), 2) curriculum vitae, 3) research statement (3 pages max), 4) teaching philosophy (2 pages max), 5) diversity, equity, and inclusion statement focused on research, teaching, and outreach (2 pages max), and 6) contact information for three or more work-related references. Questions may be directed to the Search Committee Chair, Dr. Corey Tarwater (corey.tarwater@uwyo.edu).

UW is an Affirmative Action/Equal Opportunity Educator and Employer. We are committed to a multicultural environment and strongly encourage applications from women, minorities, veterans and persons with disabilities.

"Catherine E. Wagner" <Catherine.Wagner@uwyo.edu>

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Vetmeduni Vienna ResAssoc DrosophilaEvolution

The Institute of Population Genetics is looking for a Research Associate. The future postholder will work in a team with other RAs maintaining large-scale Drosophila experimental evolution studies. The working language at the Institute is English.

Start date 1.11.2024, but we have some flexibility if required.

Salary: about 2200 euro /month

The position could be extended for a period of up to 4 years.

Applications received by the end of September 2023 for full consideration.

We will, however, keep the search open until a suitable candidate has been selected.

Applications should be sent to: christian.schloetterer@vetmeduni.ac.at

Christian Schlötterer Institut für Populationsgenetik Vetmeduni Vienna Veterinärplatz 1 1210 Wien Austria/Europe

phone: +43-1-25077-4300 fax: +43-1-25077-4390 http://www.vetmeduni.ac.at/en/population-genetics/ Vienna Graduate School of Population Genetics http://www.popgen-vienna.at Christian Schlötterer <christian.schloetterer@vetmeduni.ac.at>

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Vienna Austria TwoResTec DrosophilaEvolution

Two full-time Research Associate (40 hours/week) positions are available in the group of Neda Barghi at the Institute of Population Genetics, Vetmeduni, Vienna. The main focus of the project is to study the genomic and phenotypic changes of Drosophila experimental populations as they will be selected to have larger body size. We will combine genomic, phenotypic and gene expression data.

Research Associate 1 (RA1) - The technician will be responsible for maintenance of Drosophila stocks, and performing the selection experiments and high-throughput phenotyping assays. S/he will assist in developing a new protocol for performing selection experiment in Drosophila populations.

Research Associate 2 (RA2) - The technicians will be mainly responsible for molecular biology tasks including RNA and DNA extraction, NGS library preparation, sample preparation for metabolite measurement. S/he will assist other group members in maintenance of Drosophila populations.

We are looking for a reliable, highly organized and motivated candidates with good communication skills. S/He should have Bachelor's degree in Biology, Genetics, Molecular Biology, or a related field, and be willing to acquire new skills. Excellent written and spoken English skills is a must. For RA1 position, experience in Drosophila system is a plus. For RA2 position, experience in molecular biology is required, and skills in NGS library preparation is highly valued.

The positions will start in January 2024 and are limited for 1-year with the possibility of extension up to 4 years depending on successful evaluation.

The gross salary is 2,252 ???/month.

In case of interest, please send your CV, including the required/desired skills for this position, to Neda Barghi (neda.barghi@vetmeduni.ac.at). You can visit the lab webpage here: https://www.vetmeduni.ac.at/en/-population-genetics/research/research-groups/barghi-lab/ Deadline for applications is November 15, 2023, but all applications will be considered immediately after receipt of the application documents.

Neda Barghi, Ph.D. Group leader Institute of Population Genetics, Vetmeduni Vienna, Austria

https://www.vetmeduni.ac.at/en/population-genetics/ *My working hours might be different from yours, please do not feel obliged to reply outside of your normal work schedule.*

"barghi.neda@gmail.com" <barghi.neda@gmail.com>

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WashingtonStateU LabTech LandscapeGenomics

LABORATORYTECHNICIAN

Washington State University

School of Biological Sciences

Laboratory technician needed for laboratory of Dr. Andrew Storfer at Washington State University to help on two NSF-funded projects to study landscape genomics of Australian marsupials. Main duties will be DNA extraction and whole genome library preparation, as well as SNP target capture sequencing preparation. BS degree and at least one year laboratory experience required; whole genome library preparation experience required. Excellent organization and data recording skills required. Duties will also include laboratory organization, ordering reagents/ supplies and cleaning. Position is currently open until filled and start date can be as early as October 1, 2023. Salary is competitive and is for 1 year; renewable for additional years pending continuing funding.

For more information, please contact Dr. Andrew Storfer; astorfer@wsu.edu

WSU is an Equal Opportunity/Affirmative Action/ADA educator and employer.

Andrew Storfer, PhD Eastlick Distinguished Professor School of Biological Sciences Washington State University Pullman, WA 99164-4236 (509) 335-7922 astorfer@wsu.edu www.labs.wsu.edu/storfer "Storfer, Andrew" <astorfer@wsu.edu>

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WilliamAndMaryU IntegrativeOrganismalEvolBiology

Assistant Professor of Integrative Organismal Biology

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 in Organismal Biology. Appointment will begin August 10, 2024. We are interested in individuals with research and teaching expertise in Integrative Animal Physiology and welcome broadly trained applicants studying animals from any taxa. The research area is open but will ideally span multiple levels of biological organization, including evolution.

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 undergraduate student body as well as Master's students. The Department of Biology is dedicated to mentoring students in research, especially at the undergraduate level. The applicant is expected to establish a research program that includes undergraduate students as collaborators in scientific discovery.

Teaching expectation is the equivalent of 2 courses per semester. Successful applicants must possess the skills to teach compelling courses in 1) sophomore-level Integrative Animal Biology, 2) an advanced-level Animal Physiology, and 3) lecture and/or seminar-style courses in the applicant's area of expertise.

Required Qualifications: Applicants must hold a Ph.D. in Biology or a related field at the time appointment begins (August 10, 2024).

Preferred Qualifications: Previous experience in teaching and mentoring successful undergraduate research is preferred, as is a demonstrated commitment to fostering an inclusive and welcoming learning environment for students. Evidence of scholarly achievement or demonstrated potential as a scholar. Postdoctoral research experience is desirable.

Applicants must apply online at https://jobs.wm.edu/-postings/55850. 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 any of the aforementioned required documents. 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 Sept 30, 2023. 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/index.php. Please contact Matthias Leu, Chair of search committee, with any questions about the position (mleu@wm.edu).

hamurphy@wm.edu

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XiamenU China FishEvolution

Faculty and Postdoctoral Opportunities in Fisheries and Marine Biology at Xiamen University, Xiamen, China

Postdoctoral Positions: The State Key Laboratory on Mariculture Breeding at Xiamen University is actively seeking highly qualified postdoctoral researchers who possess a solid foundation in the fields of fisheries sciences, aquaculture, genetics, evolution, bioinformatics, and genetic breeding. Applicants should hold a Ph.D. in Marine Biology, Zoology, Aquaculture, Fishery Sciences, Genetics, Bioinformatics, Evolutionary Biology, or a related discipline. Eligible candidates for these postdoctoral positions must have earned their Ph.D. within the past three years.

Successful candidates should exhibit an exceptional academic and publication record that aligns with their career stage and experience. These positions offer initial funding for a duration of two years, with the potential for extension up to a total of three years. The annual salary ranges from CNY 200,000 to CNY 260,000, contingent upon the applicant's academic background.

Additional Benefits from Xiamen University include:

1. Accommodation: Xiamen University provides two-bedroom apartments or a housing allowance. 2. Education Support: Children of postdoctoral researchers enjoy preferential treatment for enrollment in XMU-affiliated kindergartens and schools. 3. Research Opportunities: Postdoctoral researchers will be granted titles such as Assistant Research Fellow, Associate Research Fellow, or Senior Research Fellow during their tenure at XMU, and will be encouraged to pursue research funding from the National Scientific Foundation.

Faculty Positions in Marine Biology, Fisheries Sciences, and Aquaculture: The College of Ocean and Earth Sciences at Xiamen University is actively recruiting new faculty members ranging from assistant professors to associate professors and full professors. Successful applicants should possess a distinguished academic and publication track record. For detailed inquiries, please reach out to Dr. Peng Xu.

Interested candidates are encouraged to contact xupeng77@xmu.edu.cn to initiate discussions about potential projects. Please submit your curriculum vitae (CV) and a letter of interest along with your inquiry.

xupeng77@gmail.com

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Other

AwardNominations SocietyOpenEcolAndEvolBiology

We are seeking nominations for the 2023 awards by the Society for Open, Reliable, and Transparent Ecology and Evolutionary biology (SORTEE)!

This year we have two (redesigned) award categories: 1. Student Award 2. Researcher Award

For details please see: https://www.sortee.org/awards/ Submit your nominations via: https://forms.gle/-fez14JDVx2FcGWFp7 (nominate yourself or somebody else - it takes just 10 min!)

Deadline: 1st Oct 2023 (Extended)

Malgorzata Lagisz <m.lagisz@unsw.edu.au>

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Call for EvolutionAssociateEditors

The Evolution editorial team seeks Associate Editors to serve three-year terms beginning January 2023 (see https://academic.oup.com/evolut). Twenty editors will be selected and notified this autumn.

Associate Editors receive free membership in SSE for the duration of their term and free registration for the annual Evolution Meetings (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://docs.google.com/forms/-d/e/1FAIpQLSfbrrtmlpsJ YV8wp9lbInoaKevCSHF95HGrGjyizNC ZKWvQMQ/viewform?usp=sf_link

Jason Wolf <jbw22@bath.ac.uk>

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EvolBiology SocialMedia

Dear EvolDir community,

It's been almost a year since several science-themed Mastodon servers were established as a community-run micro-blogging alternative to Twitter. These servers have established stable user bases and voluntary contributions to sustain their services, while the core open-source software is steadily improving. I can recommend the following three servers as having active communities interested in evolutionary biology and managed by colleagues who act professionally on the site (in contrast to Twitter):

https://ecoevo.social/about https://mstdn.science/-about (I am 'adamr@mstdn.science') https://-genomic.social/about Mastodon servers are all able to communicate with each other (like email servers), allowing scientists to join a server managed by a known colleague or institution, while still being free to interact with the general public as desired and even being able to migrate accounts to a different server if needed. The forthcoming release of full-text search will make Mastodon posts easier to find.

Over the past year, many scientists have embraced Mastodon as a critical tool for keeping scientific communications under the control of scientists, so that we are able to best serve the public interest.

https://royalsocietypublishing.org/doi/10.1098/-rsos.230207 https://www.nature.com/articles/d41586-023-02554-0 If you do set up a Mastodon account, you may be interested in the following accounts:

SMBE: @officialSMBE@ecoevo.social EuroEvoDevo2024: @EED2024@ecoevo.social American Naturalist: @ASNAmNat@ecoevo.social FediTips (general advice on Mastodon): @feditips@mstdn.social

Finally, if you have not been following the Twitter news over the past year, you may wonder what benefits Mastodon has over similar services. Below are my thoughts.

BlueSky shows some promise, but has not yet opened the service to the public nor established federation. As such, users are subjected to vendor lock-in on a service that could change abruptly depending on the prerogative of

the ownersï¿½ – the same as what happened to Twitter. (https://blueskyweb.org/blog/9-12-2023-one-million)

Threads seems to have an aggressive censorship policy to avoid any "bad vibes", which is incompatible with scientific communication. For example, they recently blocked searches for "COVID". (https://www.cnn.com/-2023/09/11/tech/meta-threads-coronavirus-searches/-index.html)

Twitter itself (now branded X) has become more closed over the past year (e.g. requiring login to read posts) while the new owner has encouraged harassment of scientists ("Prosecute/Fauci") and the spread of anti-Black and antisemitic conspiracy theories. The Twitter owner has banned users whose posts bothered him or his favored political activists, and threatened numerous defamation lawsuits against those who criticize him. This has been combined with giving highest visibility to posts by users who pay a monthly fee to Twitter, as well as sharing advertising revenues with authors who have big audiences, regardless of their content. Overall, I believe the environment at Twitter is incompatible with the scientific enterprise. Some examples are in the following post (https://-www.vox.com/politics/2023/9/6/23859771/elon-musk-anti-defamation-league-twitter-x-antisemitism).

Warm regards,

Adam

Adam Retchless <adam@retchless.us>

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JHeredity Podcasts

Dear colleagues,

I am a postdoc researcher and the producer of the podcast for the Genetics Society journal Heredity - each month I speak to the authors of a new Heredity paper and we discuss their work at a roughly undergraduate level.

As many of you will be involved in teaching evolution, I wanted to highlight the podcast as a teaching / supporting resource for courses such as population genetics, molecular ecology and conservation genetics.

For example, a recent episode featured pop-gen heavy-hitter Robin Waples giving a beautifully clear explanation of the concept of effective population size and its importance to evolutionary questions. https://shorturl.at/-btwDT If appropriate, please recommend the podcast to your students. It's available on the Heredity website (https://www.nature.com/hdy/podcast) and all the usual podcast places - Apple podcasts, Spotify, etc.

Any questions or queries, you can contact me at hereditypodcast.gen@gmail.com

Very best wishes, Mike Pointer

Pointer (BIO - Staff)" <M.Pointer@uea.ac.uk>

NewPhytologist TansleyMedal Nominations

Are you, or do you know, an early career scientist who has made an outstanding contribution to plant science?

The New Phytologist Tansley Medal is a prestigious prize, awarded annually to early career scientists that have made an outstanding contribution to plant science.

Winners receive ï¿½2000 (GBP) and their work is highlighted in New Phytologist.

'The Tansley Medal is an opportunity to super-charge your career.'

* Tansley Medal winner Jana Sperschneider, Senior Research Scientist, CSIRO

The deadline is 1 November 2023. Find out more here: https://www.newphytologist.org/awards/-tansleymedal Hear from recent Tansley Medal winners in New Phytologist Now, our free webinar series:

* 19 October: Leander Anderegg * 23 October: Moi Exposit-Alonso

Register here: https://www.newphytologist.org/-events/now Dr Mike Whitfield (he / him), Development Coordinator The New Phytologist Foundation < https://www.newphytologist.org/ > | Registered charity number 1154867 Twitter & Instagram: @newphyt | Facebook: fb.com/NewPhytologist

Dedicated to the promotion of plant science

"Whitfield, Mike (whitfiel)" <m.whitfield@lancaster.ac.uk>

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PennsylvaniaStateU GraduateOpenHouseMicrobiome

The One Health Microbiome Center at Pennsylvania State University is pleased to invite students and other individuals interested in microbiome-associated graduate programs (Master's or PhD) to our first Graduate Studies Open House!

One Health Microbiome Center - Graduate Studies Open House Date/Time: October 12, 6-7 PM EST

Format: Virtual (registrants will receive Zoom link prior to event)

Registration link: https://forms.office.com/r/-5NSWp2B3CN Details: We will introduce our Center and our associated degree-granting programs. Then, we will answer submitted questions and take questions from the audience.

Nichole Ginnan, PhD(she/her) Research Project Manager One Health Microbiome Center Huck Institutes of the Life Sciences Pennsylvania State University Office: W-207 Millennium Science Complex Email: nginnan@psu.edu

www.nicholeginnan.com|One Health Microbiome Center

"Ginnan, Nichole" <nginnan@psu.edu>

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Phillipines TeachingHighSchool Biodiversity

Teach General Biology and Research methods at a private high school in the Philippines and help develop and catalog an intertidal invertebrate biodiversity project. The deadline is September 30th, 2023

Science Corps is looking for 1 broadly trained evolutionary biologist, with a recent PhD (up to four years after graduation), for a fully paid fellowship to help teach and build science capacity at our partner location, CVIF in Jagna, Bohol, Philippines . The Central Visayan Institute Foundation (CVIF) is a private high-school that serves as a host location for Science Corps Fellows. The fellowship is for late spring or early summer 2024. CVIF is looking for a PhD level evolutionary biologist to teach Biology and help develop research projects at CVIF's JAZC Marine Sciences Laboratory (S ee https://www.cvifbohol.com/research-centers).

Science Corps is a small group of scientists running a non-profit that sends recent PhD graduates to teach science abroad. Fellows travel to partner institutions to develop science curriculum, teach in secondary school classrooms, and build community-based research projects. In addition to building science capacity at these host locations, we also aim to offer fellows a life-changing experience. They are given the opportunity to spend time in beautiful locations, immerse themselves in different cultures, and learn from their host educators?¿'all while making positive contributions to these communities.

The deadline for this specific fellowship opportunity for an evolutionary biologist in the Philippines is September 30th, but we still encourage you to contact us if you would like to be considered for a later appointment.

To find out more about us and apply, please go to

https://science-corps.org Stephen E. Harris, Ph.D. Assistant Professor of Biology, Purchase College SUNY < https://www.purchase.edu/live/profiles/-1759-stephen-harris > Cofounder, Science-Corps < http://www.science-corps.org/ > (614) 915-4686 stephen.harris@purchase.edu

harris.stephen.e@gmail.com

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TimeTreeOfLife Contributions

We are the editors of the recently launched research collection, 'Completing the TimeTree of Life'. If you're an evolutionary biologist considering publishing phylogenetic research, we hope this call for papers will give you an opportunity to publish your most recent work with us. Additionally, if you have any colleagues or students building timetrees of any scale and in any system, we welcome their contributions as well.

In addition to original phylogenies containing divergence time estimates from sequence data using sophisticated relaxed-clock methods, such as RelTime or Bayesian approaches, we are also considering descriptions of new

methods, reviews, and perspectives pertinent to constructing and timing phylogenies.

You can read more about the collection here: https://www.frontiersin.org/research-topics/57657/-completing-the-timetree-of-life If you are interested in taking this opportunity to publish your work, please click "participate in this topic".

We believe your insight will be a great addition to this topic, and in the face of a global biodiversity crisis, your work is more valuable than ever! We look forward to hearing more about your latest research.

Why publish in our Research Topic? Alongside a top group of authors, your work will be published in Frontiers in Bioinformatics, an upcoming journal in the field. The deadline for submission is December 12 2023, but Frontiers' fast-track review process, led by my editorial team, means each article is published online as soon as it's been successfully peer-reviewed and accepted (typically within 61 days). As an open access journal, publishing fees are applied to accepted articles. Please contact bioinformatics@frontiersin.org to discuss fees, institutional waivers, and discounts.

Best regards, Jack M. Craig, Research Assistant Professor of Biology at Temple University

S. Blair Hedges, Laura H. Carnell Professor of Biodiversity at Temple University

Beatriz Mello, Associate Professor at Federal University of Rio de Janeiro

Thanks,

Jack Craig

Jack Craig <jack.craig@temple.edu>

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PostDocs

ArizonaStateU PopulationGenetics

An NIH-funded postdoctoral position is available in the Jensen Lab at Arizona State University. Research projects will be in the area of population genetic / evolutionary genomic method development and data analysis - likely with a focus upon the inference of population history and/or selection - though the specific area of research for this position is flexible and only dependent upon mutual interest. Information about current projects and lab members, as well as publications, can be found at: jjensenlab.org

The Jensen Lab is part of a strong and collaborative evolutionary genomics community at ASU, including associations with both the Center for Evolution & Medicine and the Center for Mechanisms of Evolution. Further information about these related groups can be found at: asupopgen.org

Interested applicants should please email a statement of interest, a CV, and contact information for three references to the following address by September 29: jeffrey.d.jensen@asu.edu

Jeffrey.D.Jensen@asu.edu

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ArizonaStateU RNAVirusGenomicEpidemiology

The College of Health Solutions (CHS) at Arizona State University (ASU) is seeking to fill a postdoc vacancy in genomic epidemiology and bioinformatics of RNA viruses. The candidate will work in the lab of Dr. Matthew Scotch. Please see the Scotch Lab's website, https://links.asu.edu/ScotchLab for more information about current projects. In addition to the CHS appointment, the candidate will have an affiliation with ASU's Biodesign Center for Environmental Health Engineering.

The ideal candidate will have experience in both molecular (wet lab) and computational (dry lab) techniques for both methodological and applied research. Examples of methodological research could be the design and development of assays for detection of RNA viruses in wastewater or software for improving computational efficiency of phylodynamic modeling of large sequence datasets. Examples of applied research could be the amplification and sequencing of highly pathogenic avian influenza viruses from wild birds, or the use of existing software and tools that use sequences and metadata to estimate the migration of pathogens during an outbreak.

To apply, click http://apply.interfolio.com/132303 to submit the following: - A letter of interest including the name of the position for which you are applying, your qualifications and professional experience, and an example(s) of how your work has exemplified Arizona State University's Charter and its values of Inclusive Excellence - Curriculum vitae - Research statement - Copies of up to three publications - Information for three professional references (their position, title, e-mail, phone number). References will not be contacted until the candidate progresses to the latter stages of the search process.

Informal inquiries and questions can be directed to Prof. Matthew Scotch, matthew.scotch@asu.edu.

Matthew Scotch <Matthew.Scotch@asu.edu>

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Avignon France EvolutionaryGenomics

Title: Postdoc in evolutionary genomics - 24 months at INRAE Avignon (France)

Study of the genetic bases and evolution of postzygotic reproductive isolation between wild and domesticated crops.

Plant domestication can be viewed as an early step in the divergence of independently evolving lineages, usually under strong selection at least in the cultivated pool. As a consequence, reproductive isolation between wild and domesticated crops can have already evolved, potentially producing less fit hybrid offspring when crossed.

The ANR-funded DomIsol project (PIs: Maud Tenaillon GQE-IDEEV, Catherine Dogimont GAFL, Yves Vigouroux IRD and Sylvain Glémin ECOBIO) aims at characterizing the genomic and phenotypic divergence between crop species and their wild relatives, and inferring the extent of reproductive isolation in 14 systems. In a small set of species, we will study more precisely the genetic bases and the evolution of postzygotic reproductive isolation. Gene expression patterns will be compared between parents and F1 hybrids, and transcriptional changes between different classes of hybrids (fit vs. unfit) and in reciprocal crosses will be studied. In addition, we aim at mapping Dobzhansky-Muller hybrid incompatibilities through segregation distortions in F2 families and/or in F1 pollen pools.

The postdoc candidate will analyze RNAseq data from wild and domesticated pools and from F1 hybrids as described above. RNAseq data will be available before the start of the project. The results will be contrasted with candidate genomic regions involved in reproductive isolation identified by a modeling approach that was set up in the framework of the DomIsol project (two ongoing PhDs and one postdoc). If necessary, qPCR validation will be carried out. He/she will also analyze genomic sequence data from F2 and/or F1 pollen pools in order to detect segregation distortions of previously identified SNPs from the parents.

The project will take place at the Génétique et Amélioration des Fruits et Légumes (GAFL) INRAE lab in Avignon, in close collaboration with the team GEvAD of the Génétique Quantitative & Evolution (GQE) IDEEV lab in Paris-Saclay University. It will benefit from local skills and pipelines available in the team and from close collaborations among the 4 partners involved in DomIsol as well as potential external collaborations (Vincent Castric, Lille).

The candidates should have a PhD in evolutionary genetics, genomics and/or bioinformatics and should have strong skills in bioinformatic and biostatistic analyzes.

Start date: Fall 2023

Salary: Full time (39h/w), 31200-34000 euro /year depending on experience, including medical benefits

Please send your CV, the names and contact information of two references as well as a letter of interest to:

catherine.dogimont@inrae.fr ; jacques.lagnel@inrae.fr GAFL, https://www6.paca.inrae.fr/gafl_eng/-Research-Teams karine.alix@inrae.fr ; pierre.gerard@agroparistech.fr GQE-IDEEV, https://-moulon.inrae.fr/en/equipes/gevad/ Pierre GERARD <pierre.gerard@agroparistech.fr>

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Basel Switzerland EvolutionRespiratoryViruses

The newly established group Epidemiology and Virus Evolution (EVE) led by Dr. Emma Hodcroft is currently looking for a post-doctoral researcher in the evolution and phylogenetics of endemic respiratory viruses.

Two main projects focus on Enteroviruses and aim to: - Integrate epidemiological, phylodynamic, and serological data into epidemiological models to investigate hypotheses about transmission, evolution, and human immunity. Models will aim to encompass what we know about demographics, genetic diversification, and global transmission patterns - Investigate the role of antigenic evolution and the role of asymptomatic infection in circulation and persistence. Analysis of cross- sectional and longitudinal sera titers, and developing a better understanding of early- and later-life exposure, will paint a picture of how immunity is formed and changes over time.

However, the exact detail and scope of the projects can be adapted to the interests and expertise of the successful candidate. Please note the EVE Group is entirely computational and does not have wet-lab space.

For more details and to apply, please see: https://-/jobs.swisstph.ch/Vacancies/928/Description/2 The Swiss Institute of Tropical and Public Health (Swiss TPH) is part of the University of Basel and is located on the edge of Basel in Allschwil, Switzerland. Basel is a truly international city with numerous festivals, 40 museums, and a beautiful, swimmable river. Quality of life in Switzerland is consistently ranked as one of the highest in the world.

Emma Hodcroft <emma.hodcroft@unibas.ch>

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Bialowieza Poland BisonEvolution

We seek an evolutionary biologist/bioinformatician for a Post-doc position within a grant 'Historical morphometrics of the European bison skulls and its association with species inbreeding increase'. The project will be realized at the Mammal Research Institute, Polish Academy of Sciences, BiaÂ³owieÂ¿a, Poland.

The summary and objectives of the project:

European bison is a species of unique demographic history. It has been through an extremely severe bottleneck in the 1920s. The whole contemporary population originates from a meager group of founders. Just two of them turned out to be predominant, and their share in the contemporary gene pool is above 80%. The effects are extremely low genetic variation (Wójcik et al., 2009; Tokarska et al., 2009; Tokarska et al., 2011) and highly increased inbreeding level, reaching 75% (Pertoldi et al., unpublished). Although increased inbreeding is regarded as an important factor affecting the viability of a population, resulting in lowered genetic differentiation and decreased fitness, its impact on the European bison seems milder than might be expected. Long term fertility coefficients are stable and satisfactory (Krasiñska i Krasiñski, 2017) and no indisputable inbreeding depression symptoms are observed (Tokarska et al., 2011). The reported potential inbreeding depression symptoms are related to skeleton conformation. Baranov et al. (1997) reported signs of developmental instability of skull morphology in the European bison skulls and indicated developmental instability as essential for characterizing the condition of the population. Analyses of fluctuating symmetry of the European bison, associated with genetic diversity (Makowiecka, 1994) suggest that the BiaÂ³owieÂ¿a line of the European bison had the lowest, unbeneficial, developmental instability as the result of inbreeding. Until recently, the only method of estimating inbreeding level was pedigree analysis - a rough and inaccurate method. The development of genomic techniques enables precise calculation of inbreeding level using high density SNP (single nucleotide polymorphism) set. This method has been successfully used in the European bison studies and allowed for the first, accurate inbreeding calculations, using ROH (Runs of Homozygosity) analyses (Iacolina et al., 2016, Pertoldi et al., unpublished) This project enables the actual effect of extreme inbreeding on skull conformation in a historical context to be estimated, by association of genomic and morphometric data in one of the most inbred mammals known - the European bison.

We will use hundreds of 3D skull scans from European collections and museums and juxtaposition them with their inbreeding level information based on SNP markers. The objective of the project is to specify whether and in what extent inbreeding level shaped the skull conformation of European bison individuals by answering three questions:

Has the morphometry of the skull fluctuated over time? Has the growing inbreeding of the European bison influenced its skull morphometry? If yes, what morphometric skull features have been affected by growing inbreeding?

The working environment

Mammal Research Institute, Polish Academy of Sciences (MRIPAS) in BiaÂ³owieÂ¿a, funded in 1952, conducts research in the field of ecology, ethology, morphology, population genetics as well as population management and conservation of mammals and other terrestrial vertebrates. The mission of the Institute is to acquire, advance, and disseminate knowledge of natural patterns and processes in order to improve the scientific basis for effective nature conservation activities and sustainable development. We focus mainly on BiaÂ³owieÂ¿a Primeval Forest (UNESCO Biosphere Reserve and World Heritage Site) as a study area, but also on other regions of Poland and Europe. The Institute employs 60 people, including researchers, PhD students, and qualified technical and office staff.

We provide:

1. 4-years contract;

2. Work in a friendly research team, in a well-equipped and organized laboratory with support and supervision of competent colleagues;

3. The possibility of effective scientific development through cooperation with the best world research centres;

4. Participation in an interesting scientific project with travelling opportunities;

5. The possibility to apply for inexpensive accommodation in MRI PAS flats.

Post-doc tasks and duties within the project

1. Writing scientific papers and participating in relevant conferences and workshops.

2. Supervising PhD students.

3. Performing genome-wide association analysis based on the genomic data and morphometrical measurements on European bison skulls, preferably using GoldenHelix or Plink softwares.

4. Visualisation of the data, presenting results and preparing manuscripts.

Requirements:

1. PhD in bioinformatics or genomics.

— / —

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

Bolzano Italy InsectSymbiontGenomics

A Postdoctoral position is available at the Free University of Bozen-Bolzano (Italy) in the lab of Hannes Schuler. The project is funded for one year with a possible extension of 10 months and aims to study the olive fly Bactrocera oleae and its primary symbiont 'Candidatus Erwinia dacicola'.

The olive fly Bactrocera oleae is the most destructive pest of olives in the Mediterranean basin and represents a major threat to olive production worldwide. Bactrocera oleae is living in close relationship with a microbial symbiont which is required for the larval development. The project aims to study the fruit fly and its main symbiont using a whole genome sequencing approach. Specifically, we will investigate genomic differences of the fly and its symbiont across different populations. The project is in collaboration with Luca Mazzon and Isabel Martinez Sanudo (University of Padova).

We are looking for an enthusiastic candidate with a strong background in molecular biology and experience with bioinformatic analyses of bacterial communities associated with insects. The candidate will be responsible to perform whole genome sequencing of fruit flies and their bacterial symbionts from various populations.

The Free University of Bozen-Bolzano is located in one of the most fascinating European regions, at the crossroads between the German-speaking and Italian cultures. Its trilingualism in teaching and research, its high level of internationalization as well as an ideal research environment guaranteed by its excellent facilities are some of the reasons why unibz regularly reaches top positions in national and international rankings. Our lab is part of the newly funded competence Centre for Plant Health within the Department of Agricultural, Environmental and Food Sciences https://www.unibz.it/en/-home/research/competence-centre-plant-health. We are a young and dynamic research group studying various aspects of insect-microbe interactions in a collaborative atmosphere http://hschuler.people.unibz.it General requirements for the position: A PhD (or soon to be finished) in Biology or Evolution or related fields. The candidate should have excellent communication skills and should be fluent in English.

The project is expected to start in January 2024, but the starting date is negotiable.

Application deadline is 12.10.2023 (noon) All documents for the application procedure can be found at: https://www.unibz.it/en/home/position-calls/-positions-for-academic-staff/6661-general-and-applied-entomology-prof-schuler-hannes?group= For informal inquiries, and for questions about the hiring process, please contact Hannes Schuler hannes.schuler@unibz.it

Prof. Hannes Schuler Competence Centre for Plant Health Faculty of Agricultural, Environmental and Food Sciences Free University of Bozen-Bolzano Universitätsplatz 5 I-39100 Bozen-Bolzano Tel: +39 0471 017648 http://hschuler.people.unibz.it Schuler Hannes <Hannes.Schuler@unibz.it>

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CharlesU Prague PlantGenomeAdaptation

Group of Ecological Genomics (Filip Koláø) Department of Botany, Charles University, Prague, Czech Republic https://www.plantecologicalgenomics.cz/ Deadline Oct

30

Duration: 2 years

We seek a highly motivated, independent early career researcher interested in leading a research program within the context of a Starting ERC project. The projects addresses the evolutionary consequences of whole genome duplication through analysis of using available population genomic data of multiple naturally polyploid plant species (for details see below). The successful candidate will join the team of Ecological Genomics at Charles University in Prague lead by Filip Koláø and will be integrated into a broad network of local and international collaborators.

Requirements - keen interest in leading an independent research program in a collaborative research group - a strong background in structural, statistical, and/or population genomics - PhD in evolutionary biology, genetics, bioinformatics, or related fields

We offer - competitive salary well-exceeding the average for Prague city - work in a dynamic international environment, located in an inspiring historical city centre - involvement in international collaboration including stays in collaborating labs

Optional - further possibilities for strengthening academic career - taking part in teaching relevant courses - supervision of master project(s) in the Bioinformatics or Evolutionary Biology program - opportunity to develop independent research follow-up project - application for additional self-funded projects in national and international funding schemes (e.g. Marie Curie, EMBO fellowship, GACR) is highly encouraged and supported

Project details Whole genome duplication (WGD, polyploidization) is a dramatic genome-wide mutation whose ubiquity across eukaryotes suggests an adaptive benefit, although the underlying mechanism remains unknown. We assembled an unprecedented comparative dataset of genome-wide variation in ten plant systems that underwent recent WGD, allowing directly address the copnsequences of genome doubling both within (diploid and autotetraploid populations) and across species. In the project, the successful applicant will test the hypothesis that WGD promotes accumulation of potentially beneficial variation in general and when facing novel environmental challenges in particular. The project builds on our previous research in natural Arabidopsis populations (e.g. Koneèná et al. 2021, Bohutínská et al. 2021) but will extend well beyond this system in order to discern generality. Alongside the headstart with available data on the ten plant species, the candidate is expected to design and lead the analytical part of the project. For overall info on the ERC project see https://www.plantecologicalgenomics.cz/erc-project-double-adapt/ . The project is led by Filip and will be run in close collaboration with Levi Yant (University of Nottingham, UK and Charles Univ., Prague) who is recruiting additional researcher to Prague. Both candidates are expected to join both labs and constitute a dynamic, interdisciplinary team focused on adaptive consequences of WGD.

Please send your CV, contact for two referees and a half-page motivation letter in a single pdf file to Filip Koláø (filip.kolar@natur.cuni.cz). Review of the applications will begin October 30th 2023.

https://www.plantecologicalgenomics.cz/ Filip Kolar <filip.kolar@gmail.com>

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CharlesU Prague RodentMetagenomics

Postdoctoral position in metagenomics of free-living rodents

About Us: We are a small research team based at the Department of Zoology, Charles University in Prague, Czech Republic. Our primary focus is the study of gut microbiota in free-living populations of various vertebrates, particularly murid rodents and birds. Our species of interest span a wide range of ecologies and geographical locations (Europe, Africa, Papua-New Guinea).Our research primarily centers on the evolution of the gut microbiota, including its co-divergence with host phylogeny, the effects of the gut microbiota on host fitness, interactions between the gut microbiota and other gut symbionts (e.g., bacteriophages), and the role of microbiota in host speciation within rodent hybrid zones.Additionally, we investigate changes in the microbiota between free-living and captive populations, exploring the functional consequences of these transitions. For more details, please refer to our publications, available here: https://www.researchgate.net/profile/-Jakub-Kreisinger . Position Overview: We are seeking a highly motivated and talented postdoctoral researcher to join our team. The postdoc will play a crucial role in designing, implementing, and interpreting metagenomic experiments using high-throughput sequencing data and manuscript writing. While the focus will be primarily on computational work, there will also be opportunities

to contribute to field work, experimental work, or wet lab work if desired.The postdoc will also have the opportunity to develop his/her own project related to our research focus.This position is part of a large collaborative project ???Talking microbes ??? understanding microbial interactions within One Health framework???, which aims to promote interdisciplinary collaboration between research groups working on different aspects of the interaction of the microbiota with its host and is funded by the Czech Ministry of Education.

Qualifications: The successful candidate will have a Ph.D. in bioinformatics, computational biology, evolutionary biology, microbiology, or a related field and a strong background in metagenomics data analyses. Knowledge of programming languages such as Python or R as well as experience with bioinformatics tools and pipelines, is essential.

Position Details: Duration: Two years (from January 1, 2024, to December 31, 2025), with the possibility of extension until May 2028,depending on the candidate's performance. Salary: The gross salary will be around 2,000 euros, which is above local standards.

Environment: The post-doc will work in a small team led by Jakub Kreisinger at the Department of Zoology, Faculty of Science, Charles University in Prague, Czech Republic. The Department offers an international environment and modern equipment set in historical buildings, located close to the city center and surrounded by a botanical garden (https://www.natur.cuni.cz/eng/-about-the-faculty/campus-maps). It is easily accessible by public transport. Rich cultural and outdoor activities are available in the city and its surroundings.

Application: If you are interested in this position, please send your CV (including a list of relevant scientific publications), a cover letter explaining your research interests and suitability for the position, and contact information for two references to jakubkreisinger@seznam.czby October 15, 2023. Please use the subject line "Postdoc application." Only shortlisted candidates will be contacted for an interview.

jakub kreisinger <jakubkreisinger@seznam.cz>

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ClemsonU SouthCarolina ComputationalPopGenomics

The Witt Lab in the Department of Genetics and Biochemistry at Clemson University is seeking a postdoctoral fellow to assist with ongoing population genomics projects in the lab. These projects involve analysis of low-coverage genomic data from ancient domesticated populations or the analysis of published human genome data for a variety of projects, including examining selection over time in ancient populations and archaic ancestry in modern humans (both genome-wide and focused on a specific gene).

Successful candidates will be expected to analyze genomic data, prepare and collaborate on manuscripts, mentor graduate and undergraduate students, and assist with grant preparation. There will also be opportunities for postdocs to develop their own research projects and apply for grants.

This position comes with a salary following NIH pay scales, university benefits, and funding for research/conference travel. The position is funded for two years, with annual renewal, and a possibility of continuing the position pending funding availability. The expected start date is flexible but can be as soon as January 2024.

About the Witt Lab: Our lab uses computational genetics and population genomics techniques to understand how past demographic events like selection and gene flow impact the genomes of modern populations, especially archaic and modern humans and domesticated animals. We have ongoing collaborations with multiple archaeologists, anthropologists, and computational geneticists, and have a broad interest in human evolution and population genetics. The Witt lab is affiliated with both the Department of Genetics and Biochemistry and the Center for Human Genetics and is located on Clemson's main campus in Clemson, SC.

For more information about the lab, visit https://-www.wittlabgenomics.com/ For more information about the department or School and its programs, please visit the websites for the Center for Human Genetics (https:/-/scienceweb.clemson.edu/chg/) and the Department of Genetics and Biochemistry (https://www.clemson.edu/-genbiochem). For more information about Clemson, please visit the website http://www.clemson.edu/ .

Qualifications

Applicants should have a Ph.D. in genetics, evolutionary biology, or a related field with knowledge of population genetics. Applicants should have some experience with analyzing genomic data.

Preference will be given to individuals with experience using computational clusters for data analysis, experience with ancient DNA or large human genomic datasets, or experience programming in Python or R.

Strong candidates will be able to work independently, have effective oral and written communication skills, and be able to collaborate with and mentor both undergraduate and graduate students.

Application Instructions

For full consideration, applications should be submitted by October 30, 2023. Review will continue until the position is filled.

Applicants should submit the following items via Interfolio at: http://apply.interfolio.com/132260 (1) A cover letter describing relevant research experience and motivation, as well as interest for the current position

(2) A curriculum vitae

(3) A one-page research statement

(4) Contact information (telephone number and email address) for three professional references

For any questions about this position, please contact Kelsey Witt Dillon at kwittdi@clemson.edu

Kelsey Witt Dillon <kwittdi@clemson.edu>

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CornellU ButterflyWingPatternEvolution

Postdoc at Cornell: Evolution and Development of Butterfly Wing Patterns

The Reed Lab is searching for a postdoc to work on the evolution and development of butterfly wing patterns. The work will focus on the cis-regulatory basis of color pattern evolution across species, and may include approaches such as spatial transcriptomics, ChIP-seq, CRISPR genome editing, and transgenics. There is some flexibility in terms of the specific project, but the emphasis will be on the functional evolution of gene regulatory networks.

The start date is flexible, and the position is potentially renewable for up to four years as part of a collaboration with Sean Mullen Lab at Boston University.

You can find more details on the position and apply here: https://academicjobsonline.org/ajo/jobs/25458 Learn about the Reed Lab here: http://reedlab.org Cornell is a great place to work, with a fun and interactive evo-devo group. Learn about our campus-wide community here: http://evodevo.cornell.edu/ Please don't hesitate to contact me if you have any questions: robertreed@cornell.edu

Robert D. Reed Professor of Ecology & Evolutionary Biology Curator of Lepidoptera, CUIC Cornell University Ithaca, NY 14853

"Robert D. Reed" <robertreed@cornell.edu>

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Czechia MicroalgaePigmentsEvolution

Postdoc in Evolution of pigment biosynthesis in microalgae

Algal Evolution and Ecology group at Centre Algatech, Institute of Microbiology Trebon (Czech Republic) is seeking a postdoctoral researcher in molecular genetics. The group is led by Jan Janouskovec and Eva Horakova. We study evolution, ecology, and molecular biology of microalgae and heterotrophic protists (PNAS 114:E171-E180; Curr Biol 27(23), eLife 8:e49662; Nat Commun 13:7075).

We are looking for a postdoctoral researcher with a strong background in molecular biology for research on microalgal photosynthesis. The project aims to understand the evolution and biogenesis of chlorophylls and carotenoids and use this knowledge to explore pigment synthesis in vitro. The work will focus on model phototrophs Synechocystis, Chlamydomonas and Phaeodactylum.

We seek candidates with: - a Ph.D. degree in molecular biology or a related field. Experience with cloning, cell transformation, nucleic acid and protein analysis and basic biochemistry is highly desired. - independent thinking, motivation and strong communication skills. - first-author publications in well-established journals

and a record of research excellence.

We offer: - strong, individual supervision with opportunities for networking and guiding Ph.D. and MSc. students. - opportunities to work abroad and present data at international meetings. - contract for up to 3 years extended yearly based on individual performance. - pay based on Czech academic pay grades with full health and dental insurance coverage and generous benefits including paid vacation of 30 days per year and lunch & recreation vouchers. - international work environment and collaboration with universities in the EU and UK.

Centre Algatech hosts several internationally recognized groups in microbiology research with a high proportion of foreign researchers and a friendly, collegial atmosphere, and English as working language. We have been funded by prestigious awards (ERC, EXPRO), have outstanding facilities for molecular biology and biochemistry research and have strong ties with the University of South Bohemia and the Czech Academy of Sciences.

To apply: Please send a single PDF document in English containing the following information to Lucie Fraitova: fraitova@alga.cz. The preferred start date is between October 2023 and January 2024. All applications received by September 30, 2023, will be reviewed. However, applications will be accepted through December 31, 2023, and reviewed on a rolling basis if no suitable candidate is found. For more information please contact Jan (janouskovec@alga.cz) or Eva (horakova@alga.cz).

- Motivation letter detailing your fit for the position (max.1 page) - Curriculum vitae with a complete list of peer-reviewed publications (max. 2 pages) - Contact information for 2 academic referees (please do not include letters with the application)

Jan JanouÂkovec <janjan.cz@gmail.com>

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DalhousieU Two ComparativeGenomics

Archibald and Hesketh Labs

Department of Biochemistry and Molecular Biology, Dalhousie University

Halifax, Nova Scotia CANADA

We are looking for two skilled, motivated and curious postdoctoral researchers to investigate molecular and cellular aspects of endosymbiosis in members of the genus Paramoeba, enigmatic Amoebozoa that harbour obligate eukaryotic endosymbionts of kinetoplastid ancestry.The successful applicants will work to develop and apply molecular, genetic and biochemical approaches to the study of host-endosymbiont interactions in Paramoeba species.Ideal candidates will have experience in some combination of microbiology, genetics, proteomics or bioinformatics, evidenced by peer reviewed publications in internationally recognized journals.Strong written and oral communication abilities are essential.

In connection with Dalhousie's Institute for Comparative Genomics, the Archibald and Hesketh labs are part of a collegial and internationally recognized community of comparative genomics and molecular evolution researchers. The successful applicants will have the opportunity to work collaboratively with these researchers and with those at other institutions.

The positions are available starting immediately and will run for an initial 1-year period, with the possibility of extension up to 3 years given satisfactory performance. Salary is set at $70,000 (CAD) per year. All qualified and interested persons are encouraged to apply, with applications from members of under-represented communities and equity-seeking groups particularly encouraged. Applicants should email (1) a brief cover letter outlining their research interests and qualifications as they relate to these positions, (2) a Curriculum Vitae and (3) contact information for three references to John Archibald at jmarchib@dal.ca.

John Archibald <jmarchib@dal.ca>

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DalhousieU Two ComparativeGenomics

TWO POSTDOCTORAL POSITIONS

Endosymbiosis,comparative genomics, gene transfer,functional proteomics, mass spectrometry, bioinformatics

FreeUBozenBolzano PlantFungalDieaseEvol

I would like to post a position call at the Free University of Bozen-Bolzano. It is a post-doc position in which we are searching for an enthusiastic young scientist that is

interested in the population genetics of the Cryphonectria parasitica, the fungus causing the chestnut canker, and would likt to study the microbiome of the diseased plants to find new solutions for the biological control of the disease. The call is open until the 10 of october, further details can be found at:

https://www.unibz.it/it/home/position-calls/-positions-for-academic-staff/6653-patologia-vegetale-prof-ssa-baric-sanja?group= Any additional request regarding the position can be sent either to me or to Prof. Sanja Baric (sanja.baric@unibz.it).

Kind regards,

Alfonso

Alfonso Esposito <alfonso.esposito@unikore.it>

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GeorgeWashingtonU EvolutionaryBiology

The Zhang Lab (visit https://zhanglabgwu.weebly.com/ for more information) is currently seeking a highly motivated postdoc to join our team in the Department of Biological Sciences at George Washington University.

The Zhang lab focuses on understanding two fundamental evolutionary processes: adaptation and speciation. To address these questions, we mainly study herbivore insects that specialized on a few host plants including gall-forming insects and *Lycaeides* butterflies. Interdisciplinary approaches are adopted including field surveys, natural history, behavior observation, manipulative experiments, simulations, and genomic techniques.

Postdocs are expected to have complementary skill sets but share core research interests in evolutionary biology with the PI. The ideal candidate will have good programming skills (e.g., R, python, unix), familiarity with large-scale genomic analyses on high performance computing clusters, and good knowledge in the field of adaptation and speciation. One dataset ready for postdoc candidate to analyze centers about detecting the genomic signature of selection on gall phenotypes in a gall forming insect species *Eurosta solidaginis*. This project will involve genotype-phenotype association study (GWAS), pool-sequencing data analysis to identify parallel alleles frequency change across space and time. This will be a great starting point for the candidate since they can analyze data and write paper in the first year. Candidate also has room to develop projects based on personal interest and research strengths. A Ph.D. in Biology or a related field with previous research experience in evolutionary genomics is required. Excellent communication skills and the ability to work independently as well as part of a team are expected. Salary will be commensurate with experience. The expected start date is negotiable but can be as early as 01/01/24.

100% remote work is not available.

For people who are interested, Please submit a cover letter describing interest and previous experience,a curriculum vitae, and the names of at least three references (including email addresses and phone numbers) to this link: https://www.gwu.jobs/postings/104176 . For questions about the position and additional details about the research, please contact Dr. Linyi Zhang (linyi.zhang@gwu.edu).

Linyi Zhang <linyizhangecnu@gmail.com>

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GeorgiaTech EcoEvoMathBio

Data-driven math modeling of microbial eco-evolutionary dynamics

Postdoc position available for 3 years full-time Postdoctoral Fellow at School of Biological Sciences, Georgia Institute of Technology (Georgia Tech), Atlanta, USA, mentored by Prof. Sam Brown (Biology) and Prof Rachel Kuske (Math).

The Brown and Kuske labs at Georgia Tech invite applications for a Postdoctoral Fellow on data-driven math modeling of microbiome dynamics. This NSF-funded project seeks to identify general rules governing the ecological and evolutionary stability of microbial communities in the face of biotic (principally phage) perturbation, through a close integration of theory, synthetic microbiome experiments and data analysis. The project will involve collaboration with our experimental partners in Prof Edze Westra's lab in the UK (https://-westralab.wordpress.com/).

The Brown and Kuske labs are part of a thriving community of GT labs at the intersection of math and biology. Both labs are part of the Center for Microbial

Dynamics and Infection (CMDI), which brings a wealth of resources to support trainee development and community building. Check out our websites below for more information.

Competitive candidates will have experience in cross-disciplinary research spanning math modeling and simulation, preferably with connections to the life sciences. Desirable experience includes analyses of non-linear interactions in applied contexts and data-led model identification. Candidates will have a PhD (or close to completion) in fields such as Theoretical/Computational Life Sciences (eco-evolutionary dynamics a plus), Computational/Applied Mathematics or in a related field such as Biomedical Engineering, Biophysics or Computational Sciences.

The successful candidate will lead on the development of novel data-led eco-evolutionary theory, in close collaboration with experimentalists - including providing input on experimental design. Other core tasks include dissemination of results via publications and conferences. The Brown and Kuske labs have a strong commitment to mentorship, tailored to the career aspirations of each trainee. Depending on trainee goals, we can provide structured opportunities for outreach activities (e.g. programs via CMDI), teaching (opportunities in math, bio and math-bio) and fund-raising / project leadership (we have a strong track-record of securing independent fellowship awards for our trainees).

How To Apply: Review of applications will begin immediately, and we expect to make appointments in late 2023 or early 2024. If you are interested, please send an email to Sam Brown (sam.brown@biology.gatech.edu) with a CV, a letter of interest, and contact info for 3 references.

Georgia Tech prides itself on its technological resources, (cross-disciplinary) collaborations, high-quality student body, and its commitment to building an outstanding and diverse community of learning, discovery, and creation. We strongly encourage applicants whose values align with our institutional values, as outlined in our Strategic Plan. These values include academic excellence, diversity of thought and experience, inquiry and innovation, collaboration and community, and ethical behavior and stewardship. Georgia Tech has policies to promote a healthy work-life balance and activities supporting career advancement.

Brown lab: https://brownlab.biology.gatech.edu/ Kuske lab: https://sites.gatech.edu/rkuske7-home/ CMDI: https://microdynamics.gatech.edu/ Sam Brown

Professor, School of Biological Sciences Georgia Institute of Technology Atlanta, Georgia 30332-0230, USA

tel: +1 404 579 0577

sam.brown@biology.gatech.edu

http://brownlab.biology.gatech.edu/ https://-microdynamics.gatech.edu/ < http://qbios.gatech.edu >

“Brown, Samuel P” <sam.brown@biology.gatech.edu>

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Hawaii EvolutionPlantRadiations

Postdoctoral position:

Systematics and evolution of Hawaiian plant radiations

National Tropical Botanical Garden

The National Tropical Botanical Garden (NTBG) is recruiting for an NSF-funded postdoctoral research position to be based at NTBG headquarters on KauaÊ≫i, HawaiÊ≫i.

The Mission of National Tropical Botanical Garden is to enrich life by perpetuating tropical plants, ecosystems, and cultural heritage. NTBG manages five botanical gardens and two preserves in HawaiÊ≫i and Florida and is a nonprofit dedicated to saving rare and endangered tropical flora focused on the Pacific Islands which are home to some of the world’s most unique but also threatened flora.

This one-year position is funded by a collaborative NSF grant (NTBG, University of California, Los Angeles, and Washington University in St. Louis; https://-sites.wustl.edu/hawaiianplantbiogeography/) modeling the biogeographic origins and evolution of Hawaiian plants. In the first two years of the project, we generated genomic data for 11 Hawaiian Angiosperm lineages using the Angiosperm353 bait set and developed new geographic state-dependent speciation-extinction (GeoSSE) models. This postdoc position will use project-generated datasets coupled with morphological, ecological, and biogeographical information to produce collaborative research publications refining classifications and advancing the understanding of factors involved in diversification of selected understudied Hawaiian lineages (Kadua, Labordia, Psychotria, Wikstroemia, and Lysimachia or Pritchardia).

The postdoctoral researcher will work with project PI’s and staff including Ken Wood, David Lorence and Nina

Rønsted (NTBG), Warren Wagner (Smithsonian Institution, NTBG), Bruce Baldwin (UC Berkeley), Felipe Zapata (UCLA), and Michael Landis (WUSTL). The postdoctoral researcher will also use collections at PTBG, US, and BISH, be considered an equal member of NTBG staff, and have opportunity to participate in fieldwork, collections curation, conservation assessments, supervision of students, curriculum development, teaching and communication as time permits.

This position is based in the Science and Conservation Department (ntbg.org/science) at NTBG headquarters in KalÄheo, KauaÊ≫i, HawaiÊ≫i, and reports to Senior Research Biologist Ken Wood. The salary is $54,000 and include health insurance and other benefits. Remote work is not an option and a valid work and residence permit in the US is required. NTBG is an equal opportunity employer.

Qualifications

§Candidates must hold a PhD in biology, evolution, systematics, or a related field.

§A track-record of publishing research in systematics using diverse data including analyzing and interpreting molecular and other types of trait data is required.

§Should have knowledge and experience in performing taxonomic revisions, including knowledge of gathering and analyzing morphological data, and nomenclature rules.

§Excellent writing, communication, and interpersonal skills required.

§Knowledge of Hawaiian flora and experience with collection curation and/or regional flora programs is an advantage.

§Understanding of biocultural taxonomy and concepts is an advantage.

§Experience with plant conservation or conservation assessments is an advantage.

§Intercultural experience working with agencies, organizations, and nonprofits is an advantage.

Application

Closing date: Open until filled.Expected starting date is October 1, or soon thereafter.

Applications must include: (i) A cover letter addressing how the candidate's background/experience/interests relates to the advertised position, (ii) curriculum vitae/résumé, including contact information for two potential references, and (iii) two relevant research papers (published or submitted) that you authored.

Submit application materials to: Email: careers@ntbg.org

For additional information about this position, contact careers@ntbg.org

Nina Rønsted, Ph.D. Director of Science and Conservation nronsted@ntbg.org +1(808) 346-0724 @ninaronsted

National Tropical Botanical Garden 3530 Papalina Road Kalaheo, HI 96741, USA www.ntbg.org The mission of the National Tropical Botanical Garden is to enrich life through discovery, scientific research, conservation, and education by perpetuating the survival of plants, ecosystems, and cultural knowledge of tropical regions.

Nina Ronsted <nronsted@ntbg.org>

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IFremer Montpellier EcoEvolutionaryModelling

Postdoctoral position in eco-evolutionary modelling (24 months)

Summary: A 24 months position is available in the fields of eco-evolutionary modelling of aquatic species. The objective is to propose a projection of fish responses to climate change and related extreme events (heat waves and associated hypoxic events) from the individual to the population scale and from the physiological to the evolutionary level. This project is part of the ANR FishNess project (Fish robustNess: a key element of population vulnerability and sustainable aquaculture) involving teams from DECOD and MARBEC, two major French laboratories in aquatic ecology. We seek a specialist in modelling in the fields of bioenergetics (e.g. Dynamic Energy Budget model - DEB) and/or fisheries science and/or (evolutionary) ecology with good theoretical and programming skills. Knowledge in ecophysiology and/or quantitative genetics and/or marine ecology would be appreciated but is not mandatory.

Context: Intraspecific diversity is a neglected aspect of biodiversity, although it has been shown to play a key role in supporting essential ecological functions (Des Roches et al., 2018). Considered as the "hidden facet of biodiversity", there is a need to better describe how anthropogenic pressures will impact intra-specific variability including in marine species. FishNess investigates the hypothesis that individual robustness to environmental conditions is a key determinant of the vulnerability of

wild fish populations to global change and fishing, and of the long-term sustainability of fish farming. The project has successfully started in early 2022 with the production of different European sea bass populations reared in various thermic conditions in the Ifremer Palavas-Les-Flots experimental facilities. Each population is periodically monitored for individual growth and response to fasting events and genotyped (Griot et al., 2021). This will produce a unique and unprecedented dataset allowing for the precise quantification of the intra-specific variability of resources allocations, and associated genetic components. In addition, capacities to cope with extreme climate-related challenges will be explored for a subset of individuals in each condition. Intra- and inter-population covariance between resource allocation and coping abilities will also be investigated. Finally, all available information on this variability will be incorporated in an eco-evolutionary population model in order to assess the long-term vulnerability of fish populations to global change, as well as the sustainability of human activities they support.

Description of the position: The researcher will investigate the inter-individual variability in a bioenergetic DEB model parameterized for every individual considered, using all information available at the individual level (body mass, length, fasting response, gonads' weight, oxygen consumption, etcÂ). Local adaptation of each population to each thermic condition will be evaluated as well as its genetic determinants. The postdoctoral researcher will then use the model parameterized for each individual to simulate their responses to extreme events (heat-waves and hypoxia), and categorize them in terms of robustness. The limited capacities of the DEB model to correctly account for effects related to heat-waves and hypoxic events will be highlighted. The postdoctoral researcher will investigate the possibility of developing an updated DEB-model accounting for these and parameterized for future projects. Finally, he/she will upscale the individual DEB model to the population level and multiple generations, to project the eco-evolutionary dynamics of populations under anthropogenic pressures. The postdoctoral researcher will write publications in international scientific journals. She/he will communicate her/his results with partners of the FishNess project and will apply for oral communications in international conferences.

Working environment: The postdoctoral researcher will be in close interaction with 3 researchers (Bruno Ernande, Olivier Maury and Bastien Sadoul) having extensive background in fish bioenergetic and eco-evolutionary modelling from the individual to the population level (e.g. Marty et al., 2015; Sadoul et al., 2019, 2020, 2021; Maury et al., 2019; Maury and Poggiale, 2013). The position is located at DECOD in Rennes, France or at MARBEC in Montpellier, France, but travelling expenses are available to organize multiple stays in Montpellier or Rennes for visiting partners of the project, and participating to International Conferences. Within DECOD or MARBEC, the successful candidate will be in close interaction with world recognized researchers in aquatic ecology, and conservation, fisheries sciences and ecosystem modelling.

Duration and salary: The successful applicant will be hired by

— / —

ImperialC London EvolutionaryGenomics

A three-year Research Associate position is available to join the laboratory of Marco Trizzino in the Department of Life Sciences, based at the South Kensington Campus of Imperial College London.

The Trizzino lab employs induced pluripotent stem cell (iPSC) differentiation and functional genomics to study evolutionary/developmental gene regulation, with particular interest for the evolution of human craniofacial and neural development.

For this specific position, the candidate will work on a project focused on understanding the role of human-specific transposable elements in the evolution of the human brain.

Essential requirements

You should hold, or be near completion of, a PhD degree in biological sciences by the start of employment. It is essential that you have the ability to work as part of a team, the ability to develop and apply new concepts and a creative approach to problem-solving. You will also have excellent verbal and written communication skills.

Previous experience with iPSC culture/differentiation and genomics, including single-cell, would be greatly advantageous but not essential. Given the interdisciplinary nature of the laboratory, familiarity with computer programming would be appreciated but not required.

Further information

This is a full time, fixed term position for up to 36 months. You will be based at South Kensington Campus. Salary between ï¿½45,000 and 53,000 based on level of experience.

Candidates who have not yet been officially awarded their PhD will be appointed as a Research Assistant.

For more information on the laboratory, please visit our lab webpage at:https://marcotrizzino.wordpress.com/ For informal enquiries please contact the PI, Marco Trizzino atm.trizzino@imperial.ac.uk

Please complete and upload an application form as directed, uploading a cover letter and a CV, including names and contacts of 2-3 references.

Deadline for the application is October 19th 2023, and the preferred start date is January 1st 2024 or soon after.

Application form: https://www.imperial.ac.uk/jobs/-description/NAT01536/research-associate "Trizzino, Marco" <m.trizzino@imperial.ac.uk>

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IndianaU SexChromosomeGenomics

A postdoc position is available in the Bracewell Lab at Indiana University, Bloomington. We are looking for a colleague to join an NIH NIGMS-funded project looking at chromosome/genome evolution at multiple evolutionary timescales in beetles and flies. We are particularly interested in understanding chromosome fusion/fission and changes in centromere position and the genomic changes that follow. Depending on the applicants background, directions could include large-scale comparative analyses in Drosophila to population genetics/genomics in a species of bark beetle with variation in neo-sex chromosomes. With this position, there is room to develop projects based on personal interest and research strengths under the larger umbrella of the project. Please reach out for more details on the projects and scope of research. The College of Arts and Sciences is committed to building and supporting a diverse, inclusive, and equitable community of students and scholars. Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment based on individual qualifications. Indiana University prohibits discrimination based on age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

For more information about the Bracewell lab or the Biology Department, visit Home (ryanbracewell.com) < https://www.ryanbracewell.com/ > and Department of Biology: Indiana University Bloomington < https://-biology.indiana.edu/ >. A Ph.D. in Biology or a related field with previous research experience in evolutionary genetics, genomics, or bioinformatics is required. The ideal candidate will have some programming experience using both R and python and familiarity with large-scale genomic analyses on high performance computing clusters. Excellent communication skills and the ability to work independently as well as part of a team are expected. Salary will be commensurate with experience and will be highly competitive for the right person. Best consideration date is Sept 30th, 2023, but position will remain open until filled. The expected start date is negotiable but could be as early as 11/1/2023. 100% remote work is not available. Please submit a cover letter describing interest and previous experience, a curriculum vitae, and the names of at least three references (including email addresses and phone numbers) to https://indiana.peopleadmin.com/postings/-20081. For questions about the position and additional details about the research, please contact Dr. Ryan Bracewell (rbracewe@iu.edu). The Bracewell Lab is located on the beautiful Indiana University campus. The city of Bloomington is in the rolling hills of southern Indiana and provides ample outdoor recreation in an affordable mid-sized city.

"Bracewell, Ryan Russell" <rbracewe@iu.edu>

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InstitutPasteur MicrobialPaleogenomics

Post-Doctoral Researcher Position at the Institut Pasteur in Paris

Joint position between the Yersinia & the Microbial Paleogenomics Units

URL: https://research.pasteur.fr/b/xw6 Dive into the

Fascinating World of Yersinia enterocolitica!

Are you a passionate about genomics, evolution, and microbial diversity? Are you interested to understand what makes some microbial species harmful for humans and how pathogenicity emerges and evolves?

Join our teams as a Post-Doctoral Researcher and be part of the groundbreaking French ANR Project RETRACE: 'Retracing the global spread of Yersinia enterocolitica & the evolution of pathogenicity within its lineages, from a One Health perspective.'

Project Overview:

Yersinia enterocolitica, a complex bacterial species, is at the center of our investigation. It's not only found in wild and farm animals but also ranks as the third most common food-borne zoonosis in temperate countries. Our mission? To explore the global spread of Y. enterocolitica and trace the evolution of its pathogenicity within lineages. We're tapping into the incredible Institut Pasteur historical collection, housing over 37,000 specimens collected worldwide from 1932 to 2022.

Your Role:

As a key player in this project, you'll be selecting and sequencing the genomes of 2,000 isolates from this extensive collection. With your expertise in genomics analysis (bonus points for a microbiology background), you'll dig deep into the data, using state-of-the-art bioinformatics analyses to dissect Y. enterocolitica lineages from a phylogenomic and pangenomic perspective. We aim to unravel associations between niches, hosts, reservoirs, and geographic locations. Plus, you'll work closely with a collaborative team, bridging the gap between genomics and anthropology.

Starting Date & Duration:

The project kicks off on January 1st, 2024, with a duration of three thrilling years.

How to Apply:

Ready to seize this unique opportunity? Send your CV and a motivation letter with three references to:

§anne-sophie.le-guern@pasteur.fr

javier.pizarro-cerda@pasteur.fr

nicolas.rascovan@pasteur.fr

Join us in reshaping the future of Yersinia enterocolitica research! Explore the past, influence the present, and pave the way for a healthier tomorrow. Your journey starts here!

#ResearchOpportunity #PostDoc #Genomics #Microbiology #Phylogenomics #Pangenome #MicrobialGenomics #Bioinformatics #Yersinia

Nicolás Rascovan <nicorasco@gmail.com>

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iomE Mainz Germany AntEvolutionLearning

Postdoctoral Researcher Position at the iomE Mainz, Germany: Evolution and Epigenetic Regulation of spatial learning in ants

How do insects learn to find their way around a maze? When does it make sense for them to forget? What are the molecular bases of learning and forgetting in these social insects? How are those genes regulated on an epigenetic level? Join us as a postdoctoral researcher at Johannes Gutenberg University of Mainz, Germany, investigating the molecular foundations of cognition in Cataglyphis ants. Uncover the complexities of insect navigation and the equilibrium between memory formation and forgetting. Partnering with Dr. Inon Scharf (Univ Tel Aviv, Israel) and Dr. Romain Libbrecht (Univ Tours), our research, funded by the German Science Foundation (DFG), builds upon pioneering experiments investigating (epi-)genetic influences on ant cognition during spatial orientation.

With a PhD in evolutionary or behavioral biology, molecular genomics, or bioinformatics and a good publication record, you possess what is needed for this position. Funding is secured over 20 months, and the position could potentially be extended. Be part of the Institute of Organismic and Molecular Evolution at Johannes Gutenberg University in Mainz and a team of researchers working on the evolution of gene regulation https://-www.genevo-rtg.de/, combining behavioral experiments, evolutionary theory, molecular biology and bioinformatics.

Applications are accepted until October 3rd, 2023. To apply, send a letter of motivation, CV with publication list, and contact details of two referees to Susanne Foitzik at foitzik@uni-mainz.de.

Prof. Dr. Susanne Foitzik Institute of Organismic and Molecular Evolution Johannes Gutenberg University Mainz Biozentrum Hanns Dieter Hï¿½sch Weg 15 D-55128 Mainz Germany Tel: +49 (0) 6131 39 27 840 Fax: +49 (0)6131 39 27 850 Email: foitzik@uni-mainz.de

“Foitzik, Susanne” <foitzik@uni-mainz.de>

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Jena Germany PopulationGeneticsGenomics

Postdoc in Genetics and Genomics (m/f/x)

Lab Focus: The Valenzano Lab is dedicated to unraveling the complex interplay between genetic and ecological factors that underlie survival and aging. Our research spans evolutionary ecology and immune system-microbiome interactions during the aging process. This multidisciplinary research involves genetic mapping, comparative genomics, population genetics, cell culture, transgenesis, and numerical simulations.

As a Postdoctoral Researcher, you will lead research into the evolution of life history traits in Killifish, with a strong emphasis on extreme longevity. Building upon our group's past work, which dissected adaptive and neutral forces in Killifish life history trait evolution, you will conduct comprehensive genomic and proteomic analyses. Your primary goal will be to develop and test models exploring the evolution of extreme longevity in turquoise Killifish (Nothobranchius furzeri). This endeavor requires a multidisciplinary approach, merging population genetics, statistical genetics, genomics, evolutionary ecology, data science, and physics.

Location: FLI in Jena, Germany, with support from expert animal care takers, technicians, and top-tier research (e.g. sequencing and proteomics) and animal facilities.

The position is fully funded for 24 months with possibilities for extension. However, the candidate is expected to actively apply for postdoctoral fellowships to acquire independent support.

Requirements: Ph.D. in Biology, Life Science, Biomedicine, or a related field with a strong background in population genetics, statistical genetics, genomics, evolutionary ecology, data science, and/or physics. Candidates with a Ph.D. in physics and experience in population genetics will also be considered.

We expect applicants with a genuine interest in pursuing an independent academic career and a passion for unraveling the genetic mechanisms underlying extreme longevity.

We seek candidates with expertise in the analysis of large-scale genomic and proteomics datasets, statistical modeling, and computational and/or quantitative biology.

Application Deadline: [Oct 15, 2023]

To apply, please send your CV, a cover letter outlining your research interests and relevant experience, and contact information for at least two references to dvalenzano@leibniz-fli.de.

Join our team at the Valenzano Lab and contribute to cutting-edge research in Genetics and Genomics!

Dario Valenzano <Dario.Valenzano@leibniz-fli.de>

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Nantes France MarineMarkRecapture

Post-doctoral position in abundance estimation by close-kin mark-recapture Stock assessments providing abundance estimates for exploited species are an important component of fisheries management. Benefiting from recent genetic advances, a new abundance estimation method has become available, referred to as close-kin mark-recapture (CKMR). The postdoctoral researcher will apply the CKMR approach to meagre using data for 5000 genotyped adults and juveniles by

- Carrying out a simulation study in preparation for applying close-kin mark-recapture to meagre in the Bay of Biscay using the R packages CKMRpop et CKMRsim - Preparing the genotype data (SNP) for meagre using quality control criteria - Identifying related individuals using R packages kinference and/or Colony - Compiling biological information and develop abundance estimation models for parameter estimation with the R package TMB based on pairs of related individuals (parent-offspring pairs, half-sibling pairs, full sibling pairs) - Contributing to the reporting of the ACOST project, draft publication(s) and presenting results

For more information, please contact verena.trenkel@ifremer.fr, pascal.lorance@ifremer.fr et eric.petit@inrae.fr. For applying, please go to the web site

https://ifremer-en.jobs.net/job/post-doctoral-position-in-abundance-estimation-by-close-kin-mark-recapture-m-f Verena TRENKEL

responsable de l'unité Halieutique Grand Ouest (HALGO) DU adjointe de l'UMR DECOD (Dynamique et durabilité des écosystèmes : de la source à l'océan)

IFREMER Nantes Tel (33) 02.40.37.41.57 France

Verena TRENKEL <Verena.Trenkel@ifremer.fr>

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NHM Reading UK AncientSedimentaryDNA

Dear Evoldir,

Postdoc: NHM_Reading_UK.AncientSedimentaryDNA

Advertising for a PDRA joint position at the University of Reading and the Natural History Museum London, to study ancient environmental DNA to look at the impact of urbanism from Roman to the Medieval period in London. Apply here: https://jobs.reading.ac.uk/-Job/JobDetail?JobId=12488 Deadline 1st October 2023

Full Description Below

Job reference: SRF45480 Salary: 45,585 per annum Closing date: 01/10/2023 Department: School of Archaeology Geography & Environmental Science Location: Whiteknights Reading UK Employment type: AR-Research Division: Archaeology Hours Per Week: 1.0 FTE Job live date: 15/09/2023 Employment Basis/Type: Full Time, Fixed Term

This research fellowship offers an exciting opportunity to develop a programme of independent research with the University of Reading (UoR) and the Natural History Museum (NHM) in London. We are looking for a researcher with skills and experience in ancient DNA and/or ancient environmental DNA, to develop the 'Molecular biography of an urban centre: Two millennia of [ecological] community dynamics' project. This will examine the long-term impacts of urbanism on biodiversity and ecosystem health from a DNA perspective. The project will focus on London, reflecting both its near-continuous occupation from Roman times through to the post-Medieval period, and the intensity of archaeological fieldwork across the greater London area. The aim of the study will be to assess the long-term impact of urban expansion on biodiversity. You will have:

- A PhD in a relevant area of archaeology or biology. - Previous research involving ancient/historical DNA and/or ancient environmental DNA, including experience with ancient DNA methods/ laboratories. - Specialist knowledge of analysing degraded metagenomic DNA data. - A track record of publications commensurate with your career stage - The ability to manage and archive data - The ability to show initiative and work independently - Readiness to travel regularly between Reading and London, and a willingness to travel to obtain samples

As part of the fellowship, you will be expected to:

- Retrieve animal and plant DNA from long urban sedimentary sequences (i.e. environmental DNA; eDNA) within the London area, and identify them with reference to the NHM's Darwin Tree of Life project. - Co-ordinate with the project's partners to obtain samples from the London area. - Send samples for dating where required. - Conduct pre-amplification lab work in the dedicated ancient DNA laboratory at the NHM. - Use eDNA metabarcoding for multi-species detection with the aim of characterising changing species diversity and richness over time. - Generate and interpret degraded eDNA data and compare this with other relevant datasets. - Contribute to the building of innovative research in archaeological science within the Department of Archaeology at the UoR, working in close collaboration with the NHM where the DNA analysis will be carried out. - Promote and enhance the inclusion of genomic approaches within a diverse range of ongoing research. - Produce a series of high impact journal papers and deposit the sequence data within the EMBL Sequence Reading Archive. - Disseminate your results at relevant conferences, workshops and seminars, as well as in the public domain through social media. - Contribute to the NHM's "Urban Nature Project", UoR Archaeology's "Climate & Resilience" impact theme, and UoR's Built Environment research division. - Engage with key government departments and other bodies responsible for urban policy and planning. - Take the lead in writing funding bids to sustain innovative research for yourself, the UoR and the NHM. - Proactively engage with continuing professional development to inform working practices, including training and networking.

You will also be expected to:

- Participate in University-wide projects or working groups, or contribute to School boards or committees. - Undertake research-related administrative activities such as co- ordination of contributions to grant proposals.

You will work closely with Prof Aleks Pluskowski (UoR), Dr Selina Brace (NHM) and Prof Ian Barnes (NHM) (the supervisory team), as well as Dr Rob Batchelor in QUEST (UoR, https://www.reading.ac.uk/quest/-

). You will finalise core research questions and the sampling strategy, as well as identifying animal/plant assemblages for DNA extraction, through discussions with the supervisory team, QUEST and clients working in/based in London.

Closing date: 01/10/2023 Interview date: 12/10/2023 Informal contact details Prof Aleks Pluskowski: a.g.pluskowski@reading.ac.uk Dr Selina Brace: s.brace@nhm.ac.uk

Dr Selina Brace

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Nice France PopulationGenomicsGWAS

Post-Doc in Population Genomics

A 12-month junior post-doctoral position is opening at the Institute of Cancer and Aging in Nice (IRCAN, Université Côte d'Azur, Nice, France). The position is opened within the framework of the TARA Pacific research project and funded by the ANR Grant "Coralforce" (ANR-22-CE20-0007-01).

*Project framework:*The main objective of the project is to investigate the implication of genome maintenance genes in the adaptation of reef-building corals to changing environments. This research program relies on the extensive Pacific wide reef samples from the TARA Pacific expedition centered on three coral genera (/Porites, Pocillopora/ and /Millepora/) (Planes et al. 2019 < http://dx.plos.org/10.1371/journal.pbio.3000483 >, see Planes & Allemand 2023 < https://www.nature.com/articles/s41467-023-38896-6 >) for an overview of the already performed analyses). During the expedition, 2703 coral colonies have been sampled in 32 Pacific islands (Lombard et al. 2023 < https://www.nature.com/articles/s41597-022-01757-w >). Metagenomic, Metatranscriptomic and Metabarcode sequences have been produced for 300 of these colonies per genera _(_Belser et al. 2023 < https://www.nature.com/articles/s41597-023-02204-0 >). As the TARA Pacific program also produced annotated reference genomes for the three genera sampled _(_Noel et al. 2023 < https://doi.org/10.1186/s13059-023-02960-7 >), genome wide SNPs have been identified in each of these samples. Biochemical stress markers phenotypes have been measured for all the sampled colonies (Porro et al. 2023 < https://rdcu.be/dlq0y >). Extensive historical and extemporaneous environmental quality measures were also associated to each sampling site (Lombard et al. 2023 < https://www.nature.com/articles/s41597-022-01757-w >). The preliminary analysis of a third of the samples already allowed for the identification of different phenotypic and genetic signatures in relation to the environment among the three coral genera (Rouan et al. 2023 < https://www.nature.com/articles/s41467-023-38499-1 >, Porro et al. 2023 < https://rdcu.be/dlq0y >, Voolstra et al. 2023 < https://rdcu.be/dgjO6 >). The recruited postdoctoral fellow will be in charge of identifying the genetic components of the coral response to the environment.

Scientific goal:The postdoctoral fellow will develop Genotype Environment Association (GEA) and Genomewide Association (GWAS) studies from these samples, with the aim of identifying SNPs (and the functional genes they belong to) that: 1) display different alleles in different environments, 2) are implicated in biochemical stress response phenotypes (such as ubiquitination, oxidative stress response, telomere length variation, etcÂ). Coupled to the genomic selection profiles, these results should allow for the identification of putative adaptive genes in these corals.

The postdoctoral fellow will develop his work in collaboration within the international TARA Pacific consortium, and under the direct supervision of Pr. Paola Furla and Dr. D. Forcioli. The work of the postdoctoral fellow will be part of the Adaptation &Resilience Workgroup currently coordinated by D. Forcioli within the TARA Pacific consortium, in interaction with the Coral Health workgroup of the consortium, to which P. Furla participates.

The postdoctoral fellow will directly collaborate with a PhD currently in charge of the phenotypic analyses.

Candidate profile/Required skills:The successful postdoctoral fellow should have a solid background in population genomics, a proven ability to analyze NGS data. A previous experience in GEA and GWAS would be an asset. Previous knowledge of coral biology is not a prerequisite. As the salary is commensurate to a junior postdoc position, the candidate must have defended his/her thesis less than 2 years ago.

Contract: The contract is scheduled to begin on January 15th 2024, for a total duration of one year.

Application process: The candidates must upload on the CNRS website a motivation letter, a short summary of achievements and mastered techniques, a /curricu-

lum vitae /with publication and communication list and the names of (at least) two referees. The application deadline is fixed to October 31ˆst , 2023.

Information requests should be sent by email to

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NorthCarolinaStateU PlantEvolutionaryEcol

Postdoctoral position in Plant Evolutionary Ecology

Department of Plant and Microbial Biology

North Carolina State University

The Sheth plant evolutionary ecology lab < https://-seemasheth.weebly.com/ > in the Department of Plant and Microbial Biology < http://pmb.cals.ncsu.edu/ > at North Carolina State University < http://ncsu.edu/ > (Raleigh, NC) is currently seeking a highly motivated postdoctoral associate to participate in an NSF-funded study of eco-evolutionary responses to climate change across a species range. We combine field, greenhouse, and growth chamber experiments, demographic modeling, and quantitative genetics to examine constraints to adaptation to climate across species geographic ranges.

Position summary: The successful candidate will contribute to studies of eco-evolutionary responses to climate change in the scarlet monkeyflower, Mimulus cardinalis, a perennial herb that grows in riparian habitats in western North America. The postdoctoral scholar's primary responsibilities involve:

- coordinating research among multiple institutions by monitoring field and greenhouse experiments - training and managing personnel, managing and analyzing data - contributing to the dissemination of results through manuscripts and presentations - participating in outreach activities

The position is based out of NCSU and requires travel to California and Oregon for several weeks each spring/summer and fall to establish and maintain field experiments. The postdoctoral scholar will also have opportunities to analyze existing datasets, develop additional research programs related to the overall objectives of the project, and gain experience mentoring undergraduate and graduate students. The postdoc will be co-mentored by Dr. Chris Muir < https://-cdmuir.netlify.app/ > at the University of Wisconsin, and will interact with the research teams of Drs. Lluvia Flores-Renteria < https://lluviafloresr.wixsite.com/-lluviafloreslab > at San Diego State University, Jay Sexton < https://sextonlab.ucmerced.edu/ > at UC Merced, and Jeff Diez < https://diezlab.netlify.app/ > at the University of Oregon.

Qualifications: Candidates must have a Ph.D. in Ecology, Evolutionary Biology, Botany, or a related discipline, and experience conducting field experiments with plants. Candidates are also expected to have a background in statistical methods, a strong work ethic, and excellent problem-solving, interpersonal, communication, and time management skills. A clear track record of publications, independent research experience, and a commitment to mentoring undergraduates is also required. Experience with analyses of quantitative genetic and/or demographic data in R is strongly desired. A valid driver's US license at the time of hire and experience driving on 4WD roads is required, and the candidate must be available to work away from home at field sites for two 6-week-long periods per year.

Salary and appointment term: $60,000 per year with benefits < https://benefits.hr.ncsu.edu/postdoc-health-insurance/ >. At present, we anticipate this position to be initially for 1 year, with possible extension for an additional year. Start date is flexible, but ideally between January and May of 2024.

Commitment to diversity, equity and inclusion: The Sheth Lab is committed to fostering an inclusive environment where people from all backgrounds are respected and we especially welcome applicants from groups that have historically been underrepresented or excluded. In addition, Dr. Sheth and the postdoc will develop a mentoring and professional development plan to identify priorities and needs that would help the postdoc achieve their professional goals and desired work-life balance.

NC State promotes an integrated approach to problem-solving that transforms lives and provides leadership for social, economic, and technological development across North Carolina and around the world. NC State's land grant mission of teaching, research, and service is dedicated to the service of North Carolina and its people. Applicants are encouraged to review the institution's mission, vision, and strategic plan, and consider how their background, interest, and experience would enable them to support the university and contribute to work environments that are accepting and support belonging.

Commitment to field safety: We are committed to providing a safe field work experience for all members of

the collaborative team. In the context of this position, safety measures we have in place include always having

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OhioStateU InsectMicrobialModeling

I'm seeking a post-doctoral scholar with demonstrated bioinformatics, machine learning and/or predictive modeling expertise to work on an NSF-funded project.

This is a full-time, 2-year position with possibilities for extension.

The successful candidate will be working with the Insect-Microbial Symbiosis Lab (IMSL) in the Department of Evolution, Ecology, and Organismal Biology at The Ohio State University.

IMSL is interested in using machine learning and predictive modeling to identify microbiome features (i.e., species, functions, and products) that are essential for normal animal growth and development and then testing these predictions in a live, germ-free/gnotobiotic model invertebrate.

We have pioneered the development of methods to generate germ-free insects for developing and testing hypotheses about how microbes impact the growth, development and evolution of animals.

DUTIES: Developing and applying bioinformatic analyses pipelines; effectively applying predictive modeling approaches in a microbiome science context; performing data science and statistical analyses; coauthoring peer-reviewed manuscripts; contributing to grant proposals; mentoring graduate and undergraduate students; giving talks at local, state, national and international meetings.

QUALIFICATIONS:

* a relevant university education with a completed doctoral/PhD degree and a strong interest in the microbiome sciences, * demonstrated proficiency in command line and high-performance computing, * demonstrated script writing skills in at least one language (R, Python or Perl), * demonstrated experience developing bioinformatic pipelines and using machine learning/predictive modeling tools, * exceptional organizational skills and strong ability to work independently and collaboratively, * willingness to supervise undergraduate and graduate students, and to promote young scientists, * excellent spoken and written communication skills.

SALARY AND BENEFITS:

* This position starts at $60,000 and includes full staff benefits, and is eligible for annual merit pay increases pending annual performance review. * This position also includes a $5,000 start-up to be used by the postdoc to establish research and academic activities at the university and to pursue professional development opportunities.

* The Ohio State University offers a highly collaborative, supportive and interdisciplinary environment and provides postdocs with access to professional development and cross-training experiences.

APPLICATION (please send the following items to sabree.8@osu.edu with the subject heading [insect_postdoc]):

* Cover letter that details your interest in the position and how you fit the description. * CV that includes a bibliography and any experiences relevant to the responsibilities described above. * Please submit up to three published, coauthored papers that reflect your skills as relevant to this position and/or across the fields of microbiology, evolution, ecology, and other relevant biological sciences.

Zakee L. SABREE PhD (he/his/him, vaccinated and boostered) Associate Professor, Department of Evolution, Ecology and Organismal Biology Faculty Director, Office of Postdoctoral Affairs The Ohio State University (614) 688-1590 OFFICE / (614) 292-2030 FAX / sabree.8 SKYPE / sabree.8@osu.edu / https://u.osu.edu/sabreelab/ / Zoom

"Sabree, Zakee" <sabree.8@osu.edu>

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PadovaTorino Italy Three StatGenomicsPopuGenetics

Hello, please share this with your Graduate or Postdoc team members.

We will have three postdoc positions at the universities

of Padova (PI: Luca Pagani) and Torino (PI: Davide Marnetto), starting in January/March 2024. Please see full details here:

https://www.anthropopgen.it/calls-for-interest-jan-2024 The positions are aimed at young researchers with a background in computational and/or biological sciences, to work in two projects at the crossroads between population genomics and complex trait analysis. Monthly salary: 1800 EUR after all taxes. Duration: 2 years.

Send us (luca.pagani@unipd.it or davide.marnetto@unito.it) your CV by October 15th 2023!

Thank you and best wishes, Davide Marnetto and Luca Pagani

Luca Pagani Associate Professor in Molecular Anthropology

Department of Biology University of Padova www.anthropopgen.it Luca Pagani <luca.pagani@unipd.it>

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SGN Frankfurt MammalEvolutionaryGenomics

The Senckenberg Gesellschaft für Naturforschung (SGN) is a member of the Leibniz Association and is based in Frankfurt am Main, Germany. SGN conducts natural history research with more than 800 employees and research institutions in seven federal states. The Senckenberg Biodiversity and Climate Research Centre (BiK-F) explores the interactions between biodiversity, climate, and society.

The Senckenberg Biodiversity and Climate Research Centre invites applications for a

Postdoc Researcher (m/f/d) in Evolutionary Genomics of Mammals

There is an exciting opportunity for a talented and motivated applicant to join the working group of Prof. Dr. Axel Janke. The applicant will be closely involved in gene flow, evolutionary-, population or phylo-genetics to study speciation in mammals (bears, giraffe, kangaroos or allies) at the genomic level. Strong own and proven research interests including other vertebrate groups will be considered.

Your profile

PhD degree in Biology, Genetics, Bioinformatics or a related field Strong interest and proven skills in evolutionary-, population- or phylogenomics. Knowledge in gene-flow analyses and/or drift process are an advantage

Experience in genome assembly & annotation and programming of scripts, R

Very good written and oral communication skills in English Interest to be involved in an international and interdisciplinary group to expand the work to species distribution modeling, paternal inference and conservation genetics

What is awaiting you?

a workplace in a central location with good transport connections in the heart of Frankfurt - flexible working hours - opportunities for mobile working - support with childcare or caring for family members (certified by the “audit berufundfamilie”) - Senckenberg badge for free entry in museums in Frankfurt - special annual payment - company pension scheme

Place of employment: Frankfurt am Main

Working hours: full time, part-time optional (at least 80%)

Type of contract: The contract should start preferably on February 1st, 2024 and is limited to two years

Salary: according to the collective agreement of the State of Hesse (pay grade E 13, TV-H)

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 and will be given preference in the case of equal qualifications.

Applicants with disabilities (Schwerbehinderung) will be given preferential 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.

You would like to apply?

Then please send us your complete and informative application documents (CV, letter of motivation, academic transcripts and certification / credentials, two relevant publications, and contact details of two potential ref-

erences to) in electronic form (as a single PDF file) by 15.10.2023 to recruiting@senckenberg.de, quoting the reference number #11-23015, or apply directly on our homepage using the online application form.

Senckenberg Gesellschaft für Naturforschung Senckenberganlage 25 60325 Frankfurt a.M. E-Mail: recruiting@senckenberg.de

For scientific enquiries please contact Prof. Dr. Axel Janke, axel.janke@senckenberg.de .

For more information about the Senckenberg Gesellschaft für Naturforschung, please visit www.senckenberg.de . Mit freundlichen Grüßen /Best Regards Maria di Biase

Referentin Recruiting/HR Department & Personalmarketing SENCKENBERG Gesellschaft für Naturforschung (Rechtsfähiger Verein gemäß §22 BGB) Senckenberganlage 25 60325 Frankfurt am Main

Besucheradresse: Mertonstraße 17-21, 60325 Frankfurt am Main (1. OG) Telefon/Phone: 0049 (0)69/ 7542 - Abteilungsleiter Human Ressources - 1458 Falk von Salm, Patrick Stellv. Abteilungsleiterin Human Ressources - 1458 Loke, Uta Recruiting/HR Department & Personalmarketing -1564 di-Biase, Maria - 1204 Reitinger, Jasmin - 1478 Gajcevic, Isabel Fax: 0049 (0)69/ 7542-1445 Mail: recruiting@senckenberg.de Direktorium: Prof. Dr. Klement Tockner, Prof. Dr. Andreas Mulch, Dr. Martin Mittelbach, Prof. Dr. Angelika Brandt, Prof. Dr. Karsten Wesche

Präsidentin: Dr. h. c. Beate HeraeusAufsichtsbehörde: Magistrat der Stadt Frankfurt am Main (Ordnungsamt)

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SorbonneU EvolutionaryGenomics

Post-doc position in computational evolutionary biology: Charting protein isoform diversity in evolution. Sorbonne Universitï¿½, Paris, France.

The Computational and Quantitative Biology Lab at Sorbonne University in Paris has an opening for a Post-doctoral researcher to join E. Laine's team in an ERC-funded project to explore proteome diversification in evolution.

The position takes place within the framework of the ERC-funded project PROMISE. The post-doctoral fellow will contribute to the integration of high-throughput sequencing data, e.g. short- and long-read RNA-seq data as well as peptides detected in proteomic experiments, onto graph-based objects.

We are seeking an enthusiastic and highly motivated scientist with bioinformatics or computer science background. The position requires strong algorithmic and programming skills as well as some knowledge about biological sequences and evolution.

The position is funded for 2 years.The team benefits from excellent support thanks to an ERC Consolidator Grant. Salary will be commensurate to experience following Sorbonne University's pay scale. Start date is flexible but no longer than March 2024.

Full offer description: https://euraxess.ec.europa.eu/-jobs/131355 . Send a motivation letter with your CV and the contact information of minimum two references to Elodie Laine: elodie.laine@sorbonne-universite.fr. Latest deadline for applications is 30 November 2023.

Elodie Laine Associate Professor LCQB, UMR 7238 Sorbonne Universitï¿½, CNRS, IBPS 7, quai Saint-Bernard | 75005 Paris +33(0)671226941 http://www.lcqb.upmc.fr/laine/ elodie.laine@sorbonne-universite.fr

Elodie Laine <elodie.laine@sorbonne-universite.fr>

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TelAvivU PDF PhD MSc AvianBrainEvolution

Post-doc / Phd / MSc positions available for a multidisciplinary research:

We study effects of behaviors and environmental conditions (e.g. light pollution, song, social setting, bird migration) on brain plasticity (neurogenesis, recruitment and survival of new neurons, and apoptosis) on birds' brains. Our goal is to understand the relations between the environment and brain plasticity, and investigate how brain plasticity relates to the life of animals. Hopefully, our studies will enable a better understanding of neuronal replacement in the brain, and might also lead

to ecological and medical applications. My laboratory is located at Tel-Aviv University.

Currently, we are looking for excellent, highly motivated, and skillful individuals for post-doc / PhD / MSc positions to study the effects of light pollution (artificial light at night) on behavior, hormones, and brain plasticity in songbirds. Depending on the specific experiment, the work involves behavioral aspects / histology / immunohistochemistry / mapping of brain tissue / hormonal analysis / ELISA / perfusions.

Anat Barnea is a Professor at The Open university of Israel, and the laboratory is located at the Zoological Garden, at the School of Zoology, Tel-Aviv University. Required qualifications: High motivation and dedication, experience in active lab research, good technical skills, good personal relations, organizational skills, and ability to work in a team.

Advantage: Experience in the above mentioned techniques, proficiency in English.

To apply: Please send CV and names of referees to Prof. Anat Barnea: anatba@openu.ac.il

Anat Barnea <anatba@openu.ac.il>

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TexasAMU ApePopulationGenomics

If you would like to bring your creative leadership to a lab with diverse projects, apply for a postdoc in the Gonder Lab at Texas A&M University's Department of Ecology and Conservation Biology (ECCB, https://-eccb.tamu.edu). Postdocs in the Gonder Lab will work on existing projects and are encouraged to develop their own projects that leverage research and resources in the lab.

Current Projects:

1. Ape population genomics: The Gonder Lab has a long term interest in improving understanding about the processes that generate genetic diversification. This project takes advantage of an exceptional dataset of re-sequenced whole genomes, genome-wide SNP genotypes, samples representing >1,000 wild chimpanzees, and a rich database of geospatial data including abiotic, biotic and human impact metadata (e.g., land use maps, climate models). A current focus of the group is using SNP data from chimpanzees paired with phenotypic data to improve understanding genotype-phenotype interactions. For more information, visit https://eccb.tamu.edu/people/gonder-katy/ . 2. Mapping adaptive potential in Texas: This project examines the adaptive capacity of animal and plant communities and ecosystems in Texas, aiming to uncover their ability to effectively respond to various challenges and opportunities brought about by ongoing transformations in Texas. The project takes advantage of the resources and collections in the ECCB department's Biodiversity Research and Teaching Collection (https://brtc.tamu.edu).

3. Ape socioecology: The Gonder Lab, along with the San Diego Zoo Wildlife Alliance, operate on long term study of chimpanzee socioecology at the Ganga Research and Biomonitoring Station at Mbam & Djerem National Park in Cameroon. This project takes advantage of a robust dataset monthly biomonitoring of chimpanzees, ongoing since 2016. For more information, visit https:/-/cameroonbiodiversity.org . Required Experience: For projects 1 and 2, the candidate must have an in-depth experience in genomic data generation, curation and bioinformatics commensurate with projects developed in consultation with the Principal Investigator. Experience in the curation and analysis of spatial metadata along with genetic data will be important in successfully completing projects. For project 3, the candidate must have strong skills in statistical analysis of socioecological data.

Preferred skills: Reading and writing proficiency in French is a plus, but not required. Evidence of a publication record

Job Responsibilities: 70%: Research activities 10%: Graduate student mentoring 10%: Proposal writing and conference presentations 5%: Lab management 5%: Other Duties as assigned

Anticipated salary: $60,000/year plus benefits

How to Apply: Applicants external to Texas A&M can apply for this position online at - https://tamus.wd1.myworkdayjobs.com/-AgriLife_Research_External/job/College-Station-TX/Postdoctoral-Research-Associate_R-065874-1
Please send inquires to Dr. Katy Gonder @ katy.gonder@ag.tamu.edu

Katy Gonder <katy.gonder@gmail.com>

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TexasAMU PlantPhylogenetics

Postdoctoral Researcher, Plant Phylogenetics, Texas A&M University

A one-year postdoctoral position is available in the Department of Ecology and Conservation Biology at Texas A&M University. This position is part of NASA's first ever biodiversity focused field campaign: "BioSCape" (Biodiversity Survey of the Cape). The postdoc will lead the development of a high-resolution phylogeny of the flora of the Greater Cape Floristic Region of South Africa. This phylogeny will be integrated with high-dimensional optical and thermal imaging spectroscopy, multispectral, and LiDAR remote sensing observations to model phylogenetic, functional, and floristic turnover across one of the world's richest biodiversity hotspots. The position is ideally suited to creative researchers with interests in biogeography, systematics, community assembly, evolutionary ecology, diversification, and spatial phylogenetics.

The postdoc will work closely with project team members based in the US and South Africa as well as the broader BioSCape science team. Principal supervisor: Daniel Spalink (he/his), Assistant Professor, Texas A&M University and Director, S.M. Tracy Herbarium (TAES). Collaborators: Matt Fitzpatrick (University of Maryland Center for Environmental Science, Appalachian Laboratory), Andrew Elmore, (University of Maryland Center for Environmental Science, Appalachian Laboratory), Nicola Bredenkamp (South Africa National Parks), Andrew Turner (CapeNature), and John Measey (Stellenbosch University).

We are looking for creative, team-oriented and enthusiastic candidates with a strong background in phylogenetics, particularly in the optimization of wet lab protocols for DNA extraction and library preparation for targeted enrichment sequencing, and in quantitative methods (analytical and computational). The postdoc will be encouraged to use the data generated in this project to pursue research questions of their own interest. To this end, a knowledge of the flora of South African Cape Flora is highly beneficial and appreciated but not required. Candidates must hold a PhD in a related field, have a publication track record, demonstrate excellent verbal and written communication skills, and display an unwavering commitment to promoting a generative, supportive, and collaborative laboratory culture.

Research Group and Location: The successful candidate will join the Plant Systematics and Biogeography Lab in the Department of Ecology and Conservation at Texas A&M University in College Station, Texas. Our lab focuses on understanding the origin, extent, and assembly of plant biodiversity. We concentrate on the intersection of evolution, ecology, and geography, with an emphasis on modeling how time, space, and form function in the diversification and maintenance of life. We value creativity and diversity in thought, experience, perspective, and approach. The postdoctoral researcher will be based in College Station, Texas but will join a network of US and South African collaborators.

For informal inquiries and for further information, interested candidates are encouraged to contact Daniel Spalink (dspalink@tamu.edu) before submitting a formal application.

Applications are due October 20, 2023, with a start date as soon as December 2023 and ideally no later than February 2024. The position is for one year with possibility of extension. Continued employment in this position is contingent upon availability of funds and project/program continuation.

Please submit your application here: https://tamus.wd1.myworkdayjobs.com/-AgriLife_Research_External/job/College-Station-TX/Postdoctoral-Research-Associate_R-066069-1 and include a (i) cover letter addressing how your background/experience/interests relate to the project goals, (ii) curriculum vitae including contact information for three potential references, and (iii) two relevant research papers (published or submitted) on which they are an author.

All positions are security-sensitive. Applicants are subject to a criminal history investigation, and employment is contingent upon the institution's verification of credentials and/or other information required by the institution's procedures, including the completion of the criminal history check.

Equal Opportunity/Affirmative Action/Veterans/Disability Employer.

"Spalink, Daniel" <dspalink@exchange.tamu.edu>

UAntwerp LongtermPopulationDatasets

Postdoc position: Linking long-term bird population datasets with environmental data in an Open Science framework

University of Antwerp, Belgium Starting date: 1 December 2023 (negotiable) Position available for 12 months with possible extension (see below).

Not available to postdocs with Belgian nationality or having recently worked in Belgium

Profile: PhD in biological sciences, strong skills in data analysis, R and GIS

We are looking for a postdoctoral researcher skilled in the analysis and management of large datasets, preferably (but not necessarily) having experience with long-term bird studies and with the use of GIS to study broad-scale ecological patterns. The position is closely linked to the FAIRBIRDS (ERA-NET) project that aims to further develop the SPI-Birds population data platform (hosted at NIOO, Netherlands; www.spibirds.org) as an open data and software community. The main responsibilities of the postdoc will be (i) to develop standardized environmental metadata associated with SPI-Birds datasets (to be published as a datapaper), (ii) develop links between SPI-Birds data and external environmental databases (e.g. climate, tree phenology, land-useÂ) with scripts published in open access, and (iii) contribute to increasing the coverage of SPI-Birds in terms of underrepresented regions, ecosystems and life histories.

In combination with this we expect that the postdoc will develop an independent research project based on the SPI-Birds data, aiming to investigate broad patterns of bird population dynamics or life histories in relation to environmental factors. More specifically, the postdoc will agree to submit a postdoctoral fellow application to external funding bodies such as FWO-Flanders or EU-MSCA and, if awarded, to take up the position in Antwerp. Preferably candidates will prepare an application for the first FWO deadline by December 1st 2023 to FWO-Flanders.

The position is available as early as December 1st, 2023 for an initial period of 12 months, which can be extended with another 6 to 12 months depending on funding. The postdoc will receive a tax-exempted postdoctoral scholarship, with a net salary in the range of 2500-3500 euro mainly depending on experience. This scholarship is not available for Belgian nationals and/or postdoc having recently worked for two or more years in Belgium. If additional postdoctoral funding is secured this would extend the position with two to three years with a regular postdoctoral salary.

The call will be closed as soon as a suitable candidate is selected, so interested candidates are advised to apply as soon as possible. Please send your CV and a statement of research interests to erik.matthysen@uantwerpen.be.

More information: Prof. Erik Matthysen, Evolutionary Ecology Group, Department of Biology, University of Antwerp, erik.matthysen@uantwerpen.be

Erik Matthysen <erik.matthysen@uantwerpen.be>

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UArkansas EvolutionaryEcology

Postdoctoral Associate in Evolutionary Ecology

The Siepielski Lab (https://asiepielski.wordpress.com/-join-us/) invites applications for a Postdoctoral Associate in Evolutionary Ecology. This NSF funded project will address questions focused on understanding how adaptive evolution under climate warming affects species tradeoffs mediating coexistence, population regulation, and diversity in damselflies.

Primary responsibilities:

Developing and running field and lab experiments and observational studies in mesocosms, implementation and statistical analysis of quantitative genetics experiments, authorship of peer-reviewed articles, communication of findings at professional meetings, and management of research projects. Ample opportunity exists to develop additional projects under the general themes of community ecology, population ecology, and evolutionary ecology using theory, experiments, or meta-analytical techniques. The post-doc will directly supervise a full-time technician that will assist with much of the field and lab work.

Qualifications:

Candidates must have a Ph.D. in biology, ecology, evolutionary biology or a closely related field, experience and expertise with ecological and evolutionary models

and statistical analyses, and excellent written and verbal communication skills. While expertise in quantitative genetics is ideal, it is not required - a strong background in mixed effects statistical models would be helpful, though. Similarly, an ideal candidate would have experience or interests in thermal biology and species coexistence.

Application Details:

This position is based in the Department of Biology and EEOB group at the Main Campus of the University of Arkansas and includes competitive salary (based on relevant experience), health care, and retirement benefits. This is a full-time, 12-month, 1-yr position. Reappointment is available for up to 4 years, conditional on satisfactory performance.

For a complete, formal position announcement and information regarding how to apply, visit https://uasys.wd5.myworkdayjobs.com/UASYS/-job/Fayetteville/Postdoctoral-Fellow-in-Biological-Sciences_R0043942 . Applicants must submit a CV/resume and a cover letter. The cover letter should contain a brief description of experience in evolutionary ecology/community ecology.

We are looking for someone to start as soon as possible; however, the start date is flexible. Consideration of applications is ongoing and continue until the position is filled.

For more information, please email Dr. Adam Siepielski at amsiepie@uark.edu.

The University of Arkansas, Fayetteville, AR, is a RI research university located in the Ozark Mountains. The faculty and graduate students at UARK are highly interactive and include an excellent group of evolutionary biologists and ecologists. We are located in an ideal setting for field-based projects. Fayetteville, located in northwest Arkansas, offers a high quality of living at a low cost, an excellent climate, and is a large enough city to offer diverse activities and amenities. It has consistently been ranked as one of the best places to live in the US. Rock climbing, hiking, kayaking, canoeing, and especially mountain biking opportunities are in close proximity - NW AR is the "Mountain Bike Capital of the World."

Adam M. Siepielski Department of Biological Sciences University of Arkansas Fayetteville AR, 72701

Adam Michael Siepielski <amsiepie@uark.edu>

UBrest France MarineFishesPopGenomics

Postdoc: Population genomics of pollack and red mullet in NE Atlantic, using low coverage Whole-Genome Sequencing

A 25 months Post-Doc is proposed at the University of Brest, UBO (LEMAR laboratory) to perform a population genomics study of two fish species of high commercial interest in European fisheries, the pollack, Pollachius pollachius, and red mullet, Mullus surmuletus, in the North-East (NE) Atlantic. A particular attention will be paid to the population structure in the Bay of Biscay and adjacent waters. This project is based on a collaboration between UBO, the National Museum of Natural History (MNHN), Ifremer, and professional fishers.

Background and scientific context: The development of relevant fisheries management plans relies on the accurate assessment of stock boundaries. In the Bay of Biscay, the management of a certain number of exploited species, known as 'Data Poor Species', is largely hampered by a significant lack of knowledge concerning their biology and ecology, notably concerning their population structure. This is particularly the case for the pollack, P. pollachius, and the red mullet, M. surmuletus. In this context, a population genomics study will be conducted to explore the spatio-temporal structure of pollack and red mullet populations in the Bay of Biscay and surrounding waters. With this aim, a lcWGS (low-coverage Whole-Genome Sequencing) will be conducted on both species, which is a powerful and cost-effective approach for empirical population genomics. This strategy captures a broader range of genetic variation across the entire genome (from common genetic variants such as— SNPs to structural variants such as chromosomal inversions or copy number variants), offering a more comprehensive view of genetic variation at population-scale. These investigations will be compared to previous data obtained by a Pool-Seq approach. About 700 individual pollack samples and 800 red mullet samples collected from Portugal to northern Scotland are expected to be sequenced individually. These samples include temporal sample collections that cover a period up to 10 years. Additional samples collected in 2023 will be added to the dataset.

Detailed post-Doc project: The Post-Doc will be in charge of conducting the preparation of lcWGS libraries

and all analysis downstream to sequencing at LEMAR laboratory (DNA samples have already been extracted and preparatory work for lcWGS has been conducted). Sequencing will be conducted on external platforms. Bioinformatic analysis will be conducted using a calculation cluster located at Ifremer (Datarmor). This genomic study will aim at addressing two issues: ——— 1. Firstly, the population genetic structure of pollack and red mullet will be investigated over the distribution range of both species from Portugal to northern Scotland. The goal of this first task will be to assess the level of evolutionary divergence among the populations of both species in their Atlantic distribution area. ——— 2. Secondly, genomic data will be applied to assess connectivity patterns in the Bay of Biscay and surrounding waters. A particular effort will be conducted to apply genomic data to management issues in the Bay of Biscay.

Profile of the candidate: The candidate must have a strong background in population genomics and bioinformatics. A demonstrated aptitude to conduct WGS data analyses will be an mportant plus. A significant experience in DNA sequencing library preparation will be appreciated. In addition, the post-doc is expected to be particularly interested into the application of population genomics data in fisheries management, since he/she will have to regularly interact with fishermen and fisheries managers.

Working place: The post-doc will be hosted at Laboratory of Environmental Marine Sciences (LEMAR). This laboratory is located in the European Institute for Marine Studies (IUEM), which is a pluridiscisplinary institute dedicated to the field of marine and coastal sciences. The IUEM is located in Plouzané, about 8km away from the center of Brest. The LEMAR is an interdisciplinary laboratory that gathers a total of ca. 150 researchers and technicians and 50 PhD students. The LEMAR includes a molecular ecology team, with all the necessary equipment to conduct most of the labwork (DNA extraction, PCR amplification, etc..) and construct DNA libraries. Both French and English are used as spoken languages in the laboratory.

Salary: The salary is 2 013,98 euro /month net and 47 days-off/year.

Application: This will include 1/ a cover letter presenting the research interests and relevant experience of the applicant (max. 2 pages), 2/ a curriculum vitae including the list of publications, 3/ copies of academic diplomas, and 4/ the names and e-mail addresses of two referees. Applications should be sent as a single pdf to

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UCalifornia Berkeley Genomics

Postdoc:UCBerkeley.Genomics

Postdoctoral position(s) in computational biology and genomics

Keywords: Genomics; genome assembly; structural variation; computational biology; T2T genome assembly; long read sequencing; primate evolution.

Interested in long read sequencing and genome assembly? Structural variation? Computational Biology? Evolution? Primate genomics? Check out this opportunity in the Sudmant lab!

The Sudmant lab at the Integrative Biology Department at the University of California, Berkeley, is seeking postdocs to work on a fully funded NIH project to assemble and analyze haplotype-resolved near-T2T genomes from 50 diverse primates species. This NSF/NIH EDGE funded project seeks to analyze these genome assemblies to better understand how the structures of primate genomes have evolved and responded to different selective pressures over the last several million years. Some specific topics of interest include: characterizing lineage specific gene expansions, identifying patterns of balancing selection and ILS, and characterizing patterns of diversity. The project will also involve novel methods development and application. This project is in collaboration with Matthew Mitchell (Coriell) and Erik Garrison (UTHSC). Genome sequencing is currently ongoing using several different long-read technologies (PacBio, ONT, HiC).

The position is fully funded (initial 24-month appointment, extendable) with a competitive salary scale. Position is open until filled.

The ideal candidate will have strong computational and genetics experience. Our lab philosophy is firmly based on the premise that science should be fun, inclusive, collaborative, and open.

Required qualifications: Ph.D. or equivalent in genetics, genomics, biology, computer science or related fields and demonstrated record of productivity and publications. Experience with either generating or analyzing large-scale genomic data.

Please contact Peter with your CV and a brief overview of your interests. Please be prepared to provide scientific references (e.g. advisor / thesis committee members).

Peter Sudmant Assistant Professor (he/him/his) Department of Integrative Biology University of California, Berkeley 510-664-4700

psudmant@berkeley.edu

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UCalifornia Davis PopulationBiology

The Center for Population Biology at UC Davis invites applications for a Postdoctoral Fellowship in Population Biology, broadly defined to include ecology, phylogenetics, comparative biology, population genetics, and evolution. We particularly encourage applications from candidates that have recently completed, or will soon complete, their Ph.D.

The position is for TWO YEARS, subject to review after one year, and can begin as early as July 1, 2024. This position is covered by a collective bargaining unit. The [posted UC salary scales] (https://www.ucop.edu/academic-personnel-programs/compensation/index.html) set the minimum pay determined by rank and/or step at appointment. See [Table 23: Postdoctoral Scholar-Employee, Postdoctoral Scholar-Fellow, Postdoctoral Scholar-Paid Direct, Fiscal Year] (https://www.ucop.edu/academic-personnel-programs/_files/2022-23/april-2023-ase-gsr-postoc-salary-scales/t23.pdf). The salary range for this position is $64,480-$64,480. "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, qualifications, and experience. The Fellow will be a fully participating member in the Center for Population Biology and will be expected to have an independent research program that bridges the interests of two or more CPB faculty research groups. The postdoctoral fellow plays a leadership role in our community with past fellows acting as important mentors, collaborators, and role models to our graduate students. We strongly encourage candidates to contact appropriate faculty sponsors before applying. We also ask that each Fellow propose a workshop, discussion or lecture series that they could offer to the community of population biologists at UC Davis; faculty sponsors or the Director of CPB, Graham Coop, can provide additional input on this aspect of the fellowship. For samples of past workshop abstracts and more information about UC Davis programs in population biology, see https://-cpb.ucdavis.edu/cpb-postdoc-fellowship. Workshop proposals can focus on broad research techniques or topics, career development, or diversity equity and inclusion activities.

ONLINE APPLICATION: Interested candidates should submit a cover letter, a CV, a short description of research accomplishments (1-2 pages), a short description of proposed research including potential faculty mentors (1-2 pages; references may be in addition to the page limit), a brief description of their proposed workshop (1 page or less), copies of two manuscripts (published, preprints, or drafts), and a statement of contributions to diversity, equity, and inclusion. All documents should be submitted in PDF format at: https:/-/recruit.ucdavis.edu/JPF06045. (This job number and application link will be open and available for application input on or around September 26, 2023).

Applicants should also provide the information requested for three referees. Once entered, applicants will electronically request letters from referees who will then be prompted by email with upload instructions. The postdoctoral fellow plays a leadership role in our community with past fellows acting as important mentors, collaborators, and role models to our graduate students. Therefore, we ask the applicant to please advise the reference writers to comment on the candidate's past roles as a mentor and/or a community member. Refer to the on-line instructions for further information.

For full consideration, applications (including letters of reference) must be received by November 1, 2023. E-mail questions to smmann@ucdavis.edu.

The University of California is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for diversity.

Graham Coop Professor, Department of Evolution and Ecology Director of the Center for Population Biology. University of California, Davis gcbias.org < http:/-/www.eve.ucdavis.edu/gmcoop/ > Storer Hall, One Shields Ave., Davis, CA 95616 Ph: 530-752-1622 Fax: 530-752-1449

Graham Coop <gmcoop@ucdavis.edu>

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UCalifornia LosAngeles ConservationBiology

The 2024 UCLA La Kretz Center Postdoctoral Fellowship in California Conservation Science

The UCLA La Kretz Center for California Conservation Science invites applications for its 2024 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 partners 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 new 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/our-work/fellowships/ Fellows must have both an on-campus UCLA mentor, and an off-campus, non-university mentor. Specifically, the on-campus UCLA mentor must 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 agency partner(s) in developing their project, and 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 therefore ineligible for consideration. Projects that bring co-funding, from mentors or other agencies or individuals, are always encouraged, but co-funding is not a requirement. Possible agency partners, and relevant contacts individuals includes, but is not limited to:

The Nature Conservancy: Sophie Parker (climate change mitigation and adaptation, nature-based solutions, urban conservation)

LA Natural History Museum: Jann Vendetti (mollusk ecology and evolution; species natural history)

US Geological Survey: Robert Fisher (applied conservation; biodiversity; ecology and evolution)

US Bureau of Land Management: Mike Westphal (applied conservation, climate change)

US Fish and Wildlife Service: Cat Darst (endangered species management)

Natural Communities Coalition: James Sulentich/Danny L. Fry (protection/recovery of sensitive species)

National Park Service: Katy Delaney (amphibian and avian ecology, evolution, and conservation)

National Park Service: Seth Riley (mammalian ecology, evolution, and conservation)

Department of Defense: Robert Lovich (conservation on Dept. of Defense lands)

The La Kretz Fellowship is for two years, subject to review after the first year. The target start date is September 2024, and is flexible. The position offers a competitive salary, full benefits, and a research/travel allowance of $7,500. Candidates who have recently completed their Ph.D. or will have completed it by August 2024 are encouraged to apply.

To apply, please send applications to lakretz@ioes.ucla.edu as a single PDF file that includes—

(i) A brief cover letter introducing yourself and your project.— (ii) Your full CV. (iii) A research and management accomplishments statement (maximum one page). (iv) A project proposal that lays out, in some detail, your project, including 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) A letter of support (which may be brief) from your on-campus UCLA mentor and your off-campus agency/NGO mentor. (vi)

Two of your relevant publications.— (vii) Two letters of reference sent, one of which should be from your

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UChicago PlantAdaptiveDynamics

The Kreiner Lab at the University of Chicago is looking to recruit postdoctoral researchers with training in genomics and a keen interest in evolutionary biology, to address questions on the adaptive dynamics of plant adaptation in changing environments.

Our research uses cutting-edge population genomic approaches bolstered by spatio-temporal sampling designs (aDNA, herbarium genomics, field collections), theoretical inference, and quantitative experiments in non-model organisms.

Please visit the lab webpage for more information: www.kreinerlab.com The Department of Ecology and Evolution offers a dynamic and thriving community of scholars brought together by our passion for ecology and evolutionary biology. The department also runs the Warren Woods Field Station, the first Passive House-certified laboratory in North America fully equipped with lab space and housing to facilitate field-based research in the Midwest. E&E ties with other departments (Human Genetics, Organismal Biology, Genomics & Systems Biology) and Chicago area research institutions, including the Field Museum and Argonne National Lab, provide faculty, staff, and students opportunities to expand the scope of their research. The city of Chicago is a vibrant, cultured, and affordable city, complemented by competitive university salaries.

Interested applicants should email me at: kreiner@uchicago.edu, with a short paragraph stating why you are interested in the lab and describing any past research experience. Please include your C.V., any publications, and contact information for a few references. *Informal contacts are also welcome!*

Julia Kreiner, Ph.D. Incoming Assistant Professor, Department of Ecology & Evolution University of Chicago

kreiner@uchicago.edu

UCollegeLondon EvolutionaryGenetics

The Department of Genetics, Evolution and Environment (GEE) at University College London (UCL) invites applications for UCL's Excellence Fellowship Programme. Applicants can be in any area of genetics, evolution and ecology but should be able to show high levels of synergy with research already carried out within the department (see https://www.ucl.ac.uk/biosciences/-gee) and one or more of the following centres of research excellence:

Centre for Biodiversity & Environment Research

Centre for Life's Origins & Evolution

UCL Centre for Computational Biology

Institute of Healthy Ageing

UCL Genetics Institute

People and Nature Lab at UCL East

UCL's Excellence Fellowship Programme seeks to recruit the highest calibre early career researchers from across the globe, supporting them to establish their independent career and become outstanding research leaders of the future. It is expected that applicants will be at the cusp of independence with a vision and skills to implement a creative and influential independent research programme. In other words, successful applicants would be expected to be highly competitive for senior postdoctoral fellowships (eg Royal Society URF etc). Hence successful applicants will likely be at the end of their first or second postdoctoral position. The fellowships offer salary for three years in addition to 50K research funds. More details can be found here: https://www.ucl.ac.uk/work-at-ucl/search-ucl-jobs/details?jobId=14489&jobTitle=-Research+Fellow+%28UCL+Excellence+Fellowship%29 **Please note that there is a three-step application process:

1. Apply for GEE approval. We will review applications at this stage and grant departmental approval to those who make it onto our shortlist of candidates. You will need to send the following information, contained in a single pdf to Dr David Murrell (d.murrell@ucl.ac.uk) by midnight 17 September:

a. A covering letter from the candidate explaining why you are applying for this fellowship and outlining career goals, plans for future funding applications and justification for applying to UCL (maximum one A4 side).

b. An up-to-date CV (2 sides max.).

c. A research proposal outlining the planned research, with emphasis on vision and ambition (maximum two A4 sides, no less than Arial 11pt font). Please include an additional brief section (150 words maximum) on any likely health, technology or other possible impacts from your research.

2. Those who make it onto the GEE shortlist are then given departmental approval to apply for the 'central' deadline of 11 October, using the portal linked here: https://www.jobs.ac.uk/job/DCH068/research-fellow-ucl-excellence-fellowship . Note that applications without departmental support will be rejected. Those put forward will have time to edit their application before the deadline.

3. Assessment of applications is then made at the Faculty level, who will be reviewing applications from all departments within the Faculty of Life Sciences. A shortlist of candidates will then be invited for interview on 7 December. Please note that interviews cannot be rescheduled.

What we offer

As well as the exciting opportunities this role presents, UCL also offers great benefits. Please visit https://-www.ucl.ac.uk/work-at-ucl/rewards-and-benefits to find out more.

You can read more about our commitment to Equality, Diversity and Inclusion here: https://www.ucl.ac.uk/-equality-diversity-inclusion/ Dr David Murrell Centre for Biodiversity and Environmental Research, Department of Genetics, Evolution and Environment, University College London, Medawar Building Gower Street London WC1E 6BT United Kingdom

Programme Lead for MRes Biosciences https:/-/www.ucl.ac.uk/biosciences/study/masters/mres-biosciences Personal research website http:/-/www.homepages.ucl.ac.uk/ ~ ucbtdjm/Site/-Murrell_Group.html Telephone: 020 31087696

Email: d.murrell@ucl.ac.uk

"Murrell, David" <d.murrell@ucl.ac.uk>

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UExeter EvolutionaryEcolWasps

POSTDOCTORAL POSITION: EVOLUTIONARY ECOLOGY / SOCIAL EVOLUTION

A 3 year full time NERC-funded postdoctoral position is available to starting during January 2024 in the research group of Professor Jeremy Field, based in the Centre for Ecology & Conservation, University of Exeter, Cornwall Campus, UK (https://ecologyconservation.exeter.ac.uk/staff/-profile/index.php?web_id=Jeremy_Field). The successful applicant will be part of an exciting and novel project using UK-based field experiments and molecular work to test the roles of trade-offs and plasticity in the origin of sociality in Hymenoptera (wasps, bees and ants). There could also be comparative, theoretical or transcriptomic work depending on how the project develops and on the interests and aptitudes of the postholder. The Centre for Ecology & Conservation (https://ecologyconservation.exeter.ac.uk/) provides an environment that is exceptional on a world scale for conducting research in evolution and ecology, including several large research groups that focus on social evolution and ecology in insects, vertebrates and microbes.

Applicants will possess a relevant PhD or equivalent qualification in evolutionary/behavioural ecology or a related field of study. Candidates who will have submitted their PhD thesis before the job start date but not yet had their viva will also be considered. The successful applicant will be able to work collaboratively and supervise the work of others such as field assistants. They will have excellent data analysis skills, enjoy fieldwork and will possess a driving licence that is valid in the UK. While the postholder is expected to already have some of the skills required for the work, they will be able to obtain training and advice in areas where they lack experience. Experience with social insects is not essential.

The successful applicant will have the opportunity to enhance the skills required for a successful research career. They will develop research objectives, present information on research progress and outcomes, attend international conferences and be encouraged to take advantage of the many training courses available at Exeter in areas such as research ethics, project management and leadership. They will also have the chance to engage with external conservation bodies.

The closing date for completed applications is 23 October 2023. Interviews are provisionally expected to take place during 9-10th November 2023. The latest possible job start date is 1 February 2024. Applications from both UK and non-UK citizens are welcome.

For full details, including how to apply, enter the job reference number (R87175) as a Keyword in the University of Exeter job search engine at: https://jobs.exeter.ac.uk/hrpr_webrecruitment/wrd/run/etrec105gf.open?wvid=3817591jNg (or https://jobs.exeter.ac.uk/)

Jeremy Field Professor of Evolutionary Biology Centre for Ecology and Conservation University of Exeter Penryn Campus Cornwall TR10 9EZ UK j.p.field@exeter.ac.uk (informal enquiries)

"Field, Jeremy" <J.P.Field@exeter.ac.uk>

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UFlorida BatsMothsAcousticEvolution

The Kawahara Lab at the University of Florida, Gainesville, USA, is currently seeking a postdoctoral fellow to conduct phylogenomic and acoustic research on moths (Lepidoptera), in the context of their interactions with predatory bats that use ultrasound to hunt insects. Specifically, in collaboration with Barber Sensory Ecology Lab at Boise State University, the candidate will quantify the physical information available to bats in returning echoes from saturniid moths (i.e., "moth echoic profiles"), build a phylogeny of saturniid moth species, and use these data to look for evidence of convergent evolution and determine the evolutionary history of echoes in the moth family Saturniidae. Published research on related topics from the team include Barber et al. (2015: PNAS), Rubin et al. (2018: Science Advances), Hamilton et al. (2022: Syst. Biol.) among others. The project is for 2 years.

Required: 1) A Ph.D. in biology, entomology, or a related field, 2) Experience with using phylogenomic datasets to build phylogenetic trees, 3) Experience with computer programming/scripting in Perl/Python/R etc., 4) Familiarity with high-performance clusters and bioinformatics pipelines, 5) Strong ability to write and communicate in English. An interest in insects is desired, but not required. The successful candidate will work closely with Kawahara Lab staff, postdocs, and students, as well as our collaborators in the Barber Lab. Additional responsibilities include student training and publishing papers. Position available immediately. The Kawahara Lab welcomes all groups, regardless of racial or ethnic background and encourages underrepresented groups to apply. A working Code of Conduct document for the lab is available online (https://www.floridamuseum.ufl.edu/kawahara-lab/lab-code-of-conduct/).

Tentative timeline (may change): October 13, 2023: Application deadline. October 16-October 18, 2023: Evaluation of applications. October 20-October 24, 2023: Short-listed candidates will be contacted for an interview. October 27-November 3: Interviews. November 8-10: Deliberation and decision on top candidate.

Once a candidate has accepted the job offer, we will contact all applicants to let them know about our decision.

Salary: $60,000.

To ensure full consideration, please send a single pdf by October 13, 2023, containing a cover letter (explaining your background and fit for this position), CV, and list of 3 qualified references, to Akito Kawahara at kawahara@flmnh.ufl.edu with the email subject line: Postdoc_KawaharaLab. Applications that do not follow this format may not be considered. Any questions can be addressed to Akito Kawahara at the email above.

Akito Y. Kawahara, Ph.D. Director, Curator and Professor McGuire Center for Lepidoptera and Biodiversity Florida Museum of Natural History University of Florida Powell Hall, 3215 Hull Road Gainesville, FL 32611-2710 USA Tel: 352.273.2018 Email: kawahara@flmnh.ufl.edu http://www.flmnh.ufl.edu/mcguire/kawahara/ "Akito Y. Kawahara" <kawahara@flmnh.ufl.edu>

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UHongKong eDNA Chironomidae

Dear all,

Applications are invited for appointment as a*Post-doctoral Fellow *in eDNA & eEcology lab (www.seymourlab.net) at the School of Biological Sciences - The University of Hong Kong, to commence as soon as possible for 18 months, with the possibility of renewal.

The postdoctoral fellow will undertake research, as part of a team, to determine the biodiversity of Chironomidae species occurring in Hong Kong, as part of the Environment & Conservation funded project, "Hong Kong Chironomidae biodiversity: an initial assessment of the largest freshwater insect group and their link with ecologically important stream conservation." Chironomidae species have yet to be assessed in Hong Kong, providing a unique opportunity to the post-doctoral fellow interested in being the first to assess a highly diverse species group with important implications for developing regional biomonitoring research. In general, the project aims to identify existing and potential novel Chironomidae species occurring across Hong Kong, generate a barcoding library for local species, and implement eDNA based applications for determining spatio-temporal community dynamics.

The applicant should possess a PhD degree in ecology, evolutionary biology or another relevant field. Experience with Chironomidae is a must. Desirable skills include Chironomidae identification, bioinformatics, high throughput sequencing, large data analyses using R. Proficiency in written and spoken English is mandatory. Candidates with a strong sense of responsibility, good organizational skills, and a collaborative nature will be preferred.

A highly competitive salary commensurate with qualifications and experience will be offered, in addition to annual leave and medical benefits.

Applicants should up-to-date CV, letter of intent and contact details for 3 references to Dr. Mathew Seymour (matsey@hku.hk) before 1 October, 2023. Assessment of applications will begin as soon as possible after the deadline.

Best regards,

The eDNA lab

Isis Guibert, Ph.D. The University of Hong Kong Kadoorie Biological Sciences Building Pokfulam Road, Hong Kong, PRC guibert.isis@orange.fr

Isis Guibert <iguibert@hku.hk>

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ULethbridge Alberta SeabirdConservationGenomics

Seabird Conservation Genomics Postdoc

We are looking for a postdoc to join our research group and work on seabird genomics. The research focuses on population structure, hybridization and genome evolution in North Pacific seabirds. The successful candidate will use ddRAD and lcWGS data to study population structure and hybridization in glaucous-winged gulls found in the eastern Pacific. There is the opportunity to develop additional research questions dependent on funding.

The project is a collaboration with researchers at Environment and Climate Change Canada and the successful applicant will join the Burg lab at the University of Lethbridge. Our lab focuses on the evolution of high latitude species, mostly birds, addressing questions on population genetics, speciation, landscape genetics and conservation genetics.

Qualified candidates require a PhD in Biology or a related field and experience working with genomic data. They should submit their CV, contact information for 2-3 references and a cover letter outlining their experience. Equity and diversity are essential to academic excellence and the position is open to any qualified applicants. The position is for 1 year, but could be extended to 2 years (conditional on funding).

Review of applications will start Oct 6, 2023 and selected applicants will be interviewed via Zoom. Start date is negotiable, ideally Feb 2024.

Lethbridge is a great city to live in and is situated close to the Rocky Mountains. It is a medium sized city with about 100,000 people and located less than 2 hours from Calgary. Located on the banks of the Oldman River, the main campus in Lethbridge is situated in the prairie landscape, with easy access to the Rocky Mountains and Waterton National Park to the west, and the US border to the south.

If you have any questions or would like to apply for the position, please contact Dr Theresa Burg at theresa.burgATuleth.ca.

Theresa Burg University of Lethbridge Link to lab papers: https://scholar.google.ca/citations?user=-W-ZqPh0AAAAJ&hl=en "Burg, Theresa"

<theresa.burg@uleth.ca>

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ULisbon FishPopulationGenomics

Postdoc in population and speciation genomics of hybridizing freshwater fish

Dear Evoldir Community,

The Evolutionary Genomics and Bioinformatics group at CE3C, University of Lisbon, led by Vitor C. Sousa, is advertising an open postdoc position to work on population and speciation genomics. The candidate will be part of a team working on the project HYBRIDOMICS funded by FCT.

The hired candidate will focus on disentangling the genetic signatures of incompatibilities from other selective processes (e.g. introgression load and adaptive introgression). The project is open-ended and can be adapted to the experience and interests of the candidate. Within this project, the candidate will investigate genomics of hybridizing populations. This can be done either through the development of methods to disentangle hybrid incompatibilities from adaptive introgression and introgression load. Alternatively, or in complement, the candidate will analyze whole genome data from several hybridizing freshwater fish species from contrasting environments.This project will requires experience in at least one of the following fields: population genomics modeling, simulations, method development, or population genomics and comparative genomics data analysis.

The ideal candidate has a strong background in statistical or theoretical population genomics, or comparative genomics, or bioinformatics and a keen interest in data analysis, or method development, modeling and coalescent theory. Individuals with a background in biology, mathematics, statistics and related disciplines are encouraged to apply.

The research will be done at cE3c, University of Lisbon, in Lisbon, Portugal. The group of the PI works on population genomics and bioinformatics, and on its applications ranging from human genetics to conservation and speciation. In addition to independently developing this project, the candidate is expected to contribute with his/her expertise to the group, interacting with the other team members and co-mentoring junior lab members. The candidate will also be encouraged and supported to apply for individual funding.

We provide a dynamic and interdisciplinary work environment within the research group (https://-ce3c.ciencias.ulisboa.pt/team/EG). The candidate is expected to present and discuss their work at international workshops and conferences.

The salary will be commensurate with qualifications and experience, according to the host institution statutes (approximately 33,000 EUR gross per year, including social security and pension funds). Funding for this position is currently available for 12months, renewable.

Contact and Application If interested, please prepare a detailed CV, a motivation letter explaining the fit for the position and the desired starting date, and contacts of up to 3 referees. You will need to submit your application online (http://concursos.fciencias-id.pt), indicating the reference 4412. More details about the application can be found here: https://www.euraxess.pt/jobs/141069 Evaluation of the applications will begin on 29 September 2023 and continue until the position is filled, with a desired starting date as early as possible. Following the policy of the host institution, it is expected that the candidate relocates to Portugal in time for the starting date of the position. Please contact me if you are interested and have questions (vmsousa@fc.ul.pt).

Vitor Sousa

Assistant Professor Evolutionary Genetics group Centre for Ecology, Evolution and Environmental Changes | cE3c Departamento de Biologia Animal Faculdade de Ci??ncias da Universidade de Lisboa Campo Grande 1749-016 Lisboa ?? Portugal Phone: +351 217 500 000 ext. 22 314 vmsousa@fc.ul.pt

https://ce3c.ciencias.ulisboa.pt/member/vitorsousa https://ciencias.ulisboa.pt/pt/perfil/vmsousa ORCID: 0000-0003-3575-0875 ResearcherID: P-1871-2016

Vitor Sousa <vmsousa@fc.ul.pt>

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ULyon InsectKinRecognition

2 years postdoc on kin recognition genomics in insects

Kin recognition is crucial for animals, particularly when choosing their mates: avoiding sib-mating reduce consanguinity. Visual, chemical or acoustic cues inform on relatedness, and incest avoidance behaviors have been extensively documented1. Yet, theory predicts than incestuous matings can be adaptive : in this way, a female can increase her brother's fitness, thereby maximizing her own inclusive fitness2,3. Recent studies showed that incestuous mating avoidance is rare in animals, and highly variable across species, varying from avoidance to preference4,5. The aim of this project is to contribute to better understand the genomic bases underlying these behaviours by comparing two insect species with contrasted kin avoidance mating behaviours. The first one is the parasitic wasp Venturia canescens, whose females avoid to mate with their brothers6. We previously showed that the avoidance of incestuous mating is accompanied by characteristic transcriptomic responses7. The second one is a species highly tolerant to inbreeding: the fly Drosophila melanogaster, whose females also recognize their brothers but favor incestuous matings8,9. Those two model species are reared in the lab and sampled annually in the field.

The postdoc will address this question with behavioral ecology and functional genomic approaches: i) by analyzing insect behaviors in the presence of related or unrelated mates; ii) by comparing the corresponding transcriptomic profiles; iii) by conducing the functional analyses of candidate genes with the most relevant expression profiles. Identifying the genes involved in kin recognition, whether specific or common to both insect species, will contribute to a better understanding of the molecular and evolutionary mechanisms underlying the diversity of behaviors observed, ranging from preference, tolerance to avoidance of incestuous matings.

The successful candidate will join the LBBE at Lyon 1 university (France), an interdisciplinarity laboratory including a hundred researchers on evolutionary science (ecology, genomics, bioinformatic, health), with numerous PhD students and postdoc associates (https://-/lbbe.univ-lyon1.fr/fr). The laboratory benefits from all the equipment required for the project (behavior observation and recording system, molecular biology lab, and high-performance computing cluster), as well as skilled people supporting experimentation and bioinformatics. Part of the data are already available, and will be analyzed and published. He/She will start as soon as possible for a two-years contract. Research experience in the field of behavioral ecology or functional genomic is required, with an interest in both approaches. The host laboratory is located on La Doua campus in Lyon, a particularly dynamic metropolis in terms of research and industry. The city of Lyon is a Unesco world heritage site, close to the Alps.

To apply, please send an email to aurore.gallot@univ-lyon1.fr with your CV and a summary of your motivation for the project, as well as the contact of referents. The hypothesis tested will be developed during the course of the project according to the results and in line with the postdoc interest. Do not hesitate to contact us to discuss the project. Gross salary: 2,320 euro (1,864 euro net including health insurance) employed by Lyon 1 university.

References 1. Pusey, A. & Wolf, M. Inbreeding avoidance in animals. Trends Ecol. Evol. 11, 201-206 (1996). 2. Kokko, H. & Ots, I. When not to avoid inbreeding. Evolution 60, 467-475 (2006). 3. Puurtinen, M. Mate choice for optimal (k)inbreeding. Evolution 65, 1501-1505 (2011). 4. de Boer, R. A., Vega-Trejo, R., Kotrschal, A. & Fitzpatrick, J. L. Meta-analytic evidence that animals rarely avoid inbreeding. Nature Ecology & Evolution 5, 949-964 (2021). 5. Dorsey, O. C. & Rosenthal, G. G. A taste for the familiar: explaining the inbreeding paradox. Trends Ecol Evol 38, 132-142 (2023). 6. Metzger, M., Bernstein, C., Hoffmeister, T. S. & Desouhant, E. Does Kin Recognition and Sib-Mating Avoidance Limit the Risk of Genetic Incompatibility in a Parasitic Wasp? PLoS One 5, e13505 (2010). 7. Gallot, A., Sauzet, S. & Desouhant, E. Kin recognition: Neurogenomic response to mate choice and sib mating avoidance in a parasitic wasp. PLOS ONE 15, e0241128 (2020). 8. Loyau, A., Cornuau, J. H., Clobert, J. & Danchin, E. Incestuous sisters: mate preference for brothers over unrelated males in Drosophila melanogaster. PLoS One 7,

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UMainz Germany InsectCognitionEvolution

Postdoctoral Researcher Position at the iomE Mainz, Germany: Uncovering the Evolution and Molecular Regulation of Insect Cognition

How do insects learn to find their way around a maze?

When does it make sense for them to forget?

What are the molecular bases of learning and forgetting in these social insects?

How are those genes regulated on an epigenetic level? Join us as a postdoctoral researcher at Johannes Gutenberg University of Mainz, Germany, investigating the molecular foundations of cognition in Cataglyphis ants. Uncover the complexities of insect navigation and the equilibrium between memory formation and forgetting. Partnering with Dr. Inon Scharf (Univ Tel Aviv, Israel) and Dr. Romain Libbrecht (Univ Tours), our research, funded by the German Science Foundation (DFG), builds upon pioneering experiments investigating (epi-)genetic influences on ant cognition during spatial orientation.

With a PhD in evolutionary biology, molecular genomics, or bioinformatics and a good publication record, you possess what is needed for this position. Funding is secured over 20 months, and the position could potentially be extended. Be part of the Institute of Organismic and Molecular Evolution at Johannes Gutenberg University in Mainz and a team of researchers working on the evolution of gene regulation https://www.genevo-rtg.de/, combining behavioral experiments, evolutionary theory, molecular biology and bioinformatics. Applications are accepted until October 1st, 2023. To apply, send a letter of motivation, CV with publication list, and contact details of two referees to Susanne Foitzik at foitzik@uni-mainz.de.

Prof. Dr. Susanne Foitzik Institute of Organismic and Molecular Evolution Johannes Gutenberg University Mainz Biozentrum Hanns Dieter Hï¿½sch Weg 15 D-55128 Mainz Germany Tel: +49 (0) 6131 39 27 840 Fax: +49 (0)6131 39 27 850 Email: foitzik@uni-mainz.de

“Foitzik, Susanne” <foitzik@uni-mainz.de>

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UMainz Germany SulawesiTarsierEvolution

Dear everybody,

If you are interested in researching questions around phylogeography and demography of Sulawesi tarsiers, please reach out. Here are some details:

General information

Offer title: Postdoctoral position: Phylogeography of Sulawesi tarsiers Number of positions: 1 Workplace: University of Mainz (up to 50% mobile working possible) Type of Contract: Scientist TV-L 13 Contract Period: 12 months

Expected date of employment: 1 October 2023 or as soon as possible thereafter Proportion of work: Full time

Application deadline: Applications will be reviewed and processed upon receipt. Please don‘t apply after September 10th 2023.

Missions In the past four decades, the recognition of only one Sulawesi tarsier species (T. spectrum) was overturned by the discovery of a stunning morphological, behavioral, and genetic diversity of Eastern tarsiers resulting in the current count of 12 species. The diversity is closely linked to the islands’ complex geological past. Sulawesi is located in the collision zone of major tectonic plates. The postdoc will be involved in different projects exploring how tarsiers colonized the island with a special focus on tarsier demography. All projects are based on genetic or genomic data. Skills

PhD, or comparable degree, in Biology or Evolutionary Anthropology. I am looking for a candidate with curiosity on species evolutionary past and how this is linked to geological past of the area. Good understanding of genetics is required, experience with NGS data is an advantage.

If you are interested, please write an email and attach your CV to lhageman@uni-mainz.de

“Hagemann, Laura” <la_hagemann@web.de>

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UMontpellier ModelsOfAssistedGeneFlow

Post-doctoral position at CEFE Montpellier, France

Assessing the effectiveness of manipulating gene flow to improve adaptation to climate change of forest trees

Starting date: January 2024 (up to September 2024) Duration: 24 months Location: Montpellier, France Net income: ~2900 euro (including pension and health benefits)

Overview: We hire a 24-month post-doctorate to study the effectiveness of assisted gene flow to improve the adaptation to climate change of sessile oak and silver fir using the model PHENOFIT. This post-doctoral project is part of the project FloRes - Assessing the need, effectiveness, risks and ethical implications of manipulating gene flow to improve adaptation to climate change for long-lived plants (ANR 2022-2026). The selected candidate will be based at the Centre d'Ecologie Fonctionnelle et Evolutive (CEFE), Montpellier, France. They will be supervised by Isabelle Chuine (CEFE), Ophélie Ronce (ISEM Montpellier), Julie Gaüzère (URFM Avignon), with also interactions with other collaborators from the FloRes project.

Key words: Forest, climate change, gene flow, species distribution, process-based models, sessile oak, silver fir, micro-selection, maladaptation.

Context and objectives of the post-doctoral project Climate change is altering biodiversity and its services and these impacts will intensify in the future. There is increasing evidence that local adaptation to climatic variation is disrupted by climate change and concern about the slow spontaneous pace of adaptation relative to the high speed of climate change. This has led to a growing demand for implementing assisted gene flow (AGF), in order to accelerate adaptation to changing climate. AGF describes the translocation of individuals between southern and northern populations within the current range of a species, to facilitate their adaptation to a warmer climate and local persistence. AGF could represent an alternative, with less disruptive consequences on ecosystems and biotic interactions, to assisted migration where individuals are translocated beyond the current species range. High priority targets for AGF are keystone species, managed species, and species at risk of extinction. AGF aims at, either increasing genetic diversity in general, with the hope of boosting demography through heterosis and the capacity to adapt to a changing, but unpredictable, environment, or increasing the frequency of particular genetic variants thought to confer increased resilience in the future. To date, we still lack empirical evidence about the effectiveness of AGF, we have very few tools to predict when AGF is truly needed, we do not know how the best AGF strategy depends on the life cycle of species, and we lack information about the best sources of genetic material for AGF. Potential risks associated with AGF include translocation failures, disease introduction, the loss of local genetic diversity, and that gene flow intensifies maladaptation.

The post-doctoral project will take place within the FloRes ANR project, which aims at understanding the necessity, effectiveness, risks and ethical implications of AGF. More specifically, the post-doctorate will use the process-based model PHENOFIT to find potential sources of genetic material of sessile oak and silver fir for AGF in France and determine transfer rules based on fitness landscapes. More precisely, they will predict how selection on functional traits will change and which source of genetic material will have the highest fitness in future climates. PHENOFIT describes explicitly how functional traits, such as phenological traits, vary with environmental conditions because of their plasticity and how this variation impacts annual survival and reproductive success. An upgraded version of the model uses daily meteorological data and soil data and predicts the daily states of development of vegetative and reproductive organs, tissues frost hardiness and water potential, and the annual growth, fecundity and survival. Fitness variation according to functional traits variation can thus be predicted along climatic gradients, and selection on functional traits can be inferred.

The post-doc will be responsible for five tasks: - Parameterize and validate the upgraded version of PHENOFIT for sessile oak and silver fir with all data available - Predict which phenotypes are optimal each decade from 2030 to 2100 under different climate scenario across France - Identify sources of genetic material where selection favors phenotypes most similar to future optimal phenotypes - Predict the patterns of temporal variation in selection with climate change - Compare transfer rules based on fitness landscapes to transfer rules based on climatic distances for sessile oak at the scale of France and current seed transfer zones

Working environment The post-doctorate will work in close collaboration with Isabelle Chuine

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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

UMuenster AntProteinEvolution

Dear friends and collegues,

we want to draw your attention to following open position:

Postdoc to study the role and mechanisms of protein evolution in the course of evolution of social complexity (DFG funded).

The candidate will investigate the genomic basis of convergent slave-maker evolution in ants, a system which has already dazzled Darwin and where one species exploits the social system of their host species. Both diverged from a recent common ancestor. The three independent origins of slave-making in the nine investigated closely related species (of which we avail high-quality genomes) allows investigating specific predictions with regards to these fascinating evolutionary phenotypic changes and associating these to genomic changes. The PostDoc position will be based in Mï¿½nster (Bornberg group) or Frankfurt (Feldmeyer group) and closely linked to another project (Foitzik group in Mainz and Heinze group in Regensburg) which aims at functionally testing some of the candidate genes which have already been identified or will be identified in this project. Tenure will be for 3 years.

Related publication: https://onlinelibrary.wiley.com/-doi/10.1111/mec.16639 https://academic.oup.com/-mbe/article/39/1/msab305/6404594?login=false https://www.uni-muenster.de/Rektorat/Stellen/-ausschreibungen/st_2031509_sk15.html Please forward to potentially interested candidates and/or circulate on related mailing lists. We look forward to receiving application by 15 December 2023 (ebb.admin@uni-muenster.de) Anticipated starting date is flexible within the first half of 2024.

Please also note the open position in the Foitzik group, which is part of the same DFG project:

Doctoral Researcher Position (PhD): Consequences of genomic changes during the evolution of ant slavery. Applications are open until October 1, 2023. To apply, please send a letter of motivation, CV with publication list, and contact information for two reviewers to Susanne Foitzik at foitzik@uni-mainz.de.

More open positions in the bornberglab can be found here:

https://bornberglab.org/post-doc-positions/ https://-bornberglab.org/phd-positions/ Best wishes,

Erich and Barbara

ebb.admin@uni-muenster.de

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UNaples OrchidEvolution

Postdoctoral Position at the University of Naples Federico II, Naples, Italy We are accepting applications for a two-years post doctorate fellow position.

Project overview: "The contribution of plastic and hereditable components in plant-pollinator relationship for determining species distribution and speciation in sexually deceptive orchids"

By using one of the most evolutionary successful families of flowering plants, the orchids, as a study system, we are addressing a set of inter-related questions about species sorting/species coexistence and evolution. In particular, by focusing on sexually deceptive orchids, floral scent traits modulating adaptations to pollinators as well as their molecular bases will be studied using selection analysis, plant phenotyping (particularly for floral volatiles and flowering time) and genomic analyses. We are particularly interested in how plasticity and hereditability of scent emission and flowering time in sexually deceptive Ophrys allows the potential for rapid adaptation to local pollinator and/or pollinator switch. This is a central issue for the Ophrys radiation but also for its rapid adaptive response to climate changes as we may expect plant and pollinators differently react and this can generate an asynchrony in this specific relationship. PLACE OF WORK: The Department of Biology in Naples, Italy (http://www.dipartimentodibiologia.unina.it/) offers excellent research facilities and a stimulating working environment for graduate students in plant ecology and evolution including living population of Ophrys orchids . The project will also involve strict collaboration with orchid researchers in Germany (Prof. Philipp Schlueter) and Switzerland (Prof. Florian Schiestl).

REQUIREMENTS: Applicants should hold a PhD degree in plant ecology or evolutionary biology. Prior ex-

perience with plants and/or pollinators is an advantage, expertise in quantitative genetics, NGS data analyses and solid preparation in biostatistics are highly appreciated. Proficiency in English both orally and written is a must; for a project including field work a driver license is desirable.

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 2024 (flexible).

*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 Email: cozzolin@unina.it Phone:+39-081679186 (room); +39-081679185 (lab)

salvatore cozzolino <cozzolin@unina.it>

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USouthCarolina CanineGenomics

Postdoctoral Position(s) in Genomic Analyses of Free-Breeding Dog Populations: Chornobyl, Pacific Islands, Atomic Bomb Test Sites and Other Hot Areas

Hi Folks! We are looking for several postdoctoral research scientists to help with projects using WGS data to address questions related to evolution in free-breeding dog populations around the world. Of particular interest are evolutionary responses to radiation exposure to dog populations in Ukraine (especially Chernobyl), atomic bomb test areas (e.g. Kazakhstan, the Marshall Islands), and other Pacific Islands. Many other exciting questions related to evolutionary history, effects of selection (natural and otherwise), disease, and development are also being addressed.

The ideal candidate(s) will be smart, hard-working and have some experience doing analyses with genomic and/or population genetic data. The goal will be to use modern bioinformatic approaches for analysis of WGS and related data to address fundamental evolutionary and population genetics questions related to mutation-selection balance, the relationship between genotype and phenotype, epigenetic influences on evolution, bridging genomic and quantitative genetics and other related topics. A passion for dogs and genetics would be an asset.

These projects represent an ongoing collaboration between research teams led by Tim Mousseau at the University of South Carolina and Elaine Ostrander at the NIH. See the following links for more info about the PIï¿½s: https://irp.nih.gov/pi/elaine-ostrander https://sc.edu/study/colleges_schools/artsandsciences/biological_sciences/our_people/directory/mousseau_timothy.php Successful applicants will be housed at the NIH in Bethesda, MD, and could have opportunities to engage in field work in addition to genomic and bioinformatics research if so desired. Compensation is generous. This is a unique opportunity for anyone wishing to gain experience using the latest genetic tools to address fundamental evolutionary questions as a member of one of the most productive labs in this field in the world.

Interested? Please contact mousseau@sc.edu for more information.

Tim Mousseau, PhD, FRGeoS, FACLS, FAAAS Professor of Biological Sciences University of South Carolina Columbia, SC 29208 USA +1-803-920-7704 mousseau@sc.edu http://cricket.biol.sc.edu/Mousseau/Mousseau.html Google Scholar < https://scholar.google.com/citations?user=3DfzimDsYAAAAJ&hl=3Den > ResearchGate < https://www.researchgate.net/profile/Timothy_Mousseau >

“Mousseau, Timothy” <MOUSSEAU@sc.edu>

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UWurzburg Two TheoreticalBiology

Two postdoc positions inTheoretical Biology(University of Würzburg)

Application deadline: 15th October 2023

The Theoretical Biology group at theCenter for

Computational and Theoretical Biology (https://-www.biozentrum.uni-wuerzburg.de/cctb/) at the University of Würzburg, Germany, is excited to announce two Postdoc positions. We are looking for independent, communicative postdoctoral researchers to join our dynamic team in theoretical biology. Our Center is committed to fostering interdisciplinary collaborative research, and we are seeking candidates with a strong record of originality and the ability to generate innovative project ideas.

Maximum Duration:Four-year appointment

Primary responsibilities:Research and Mentoring

Career Development:We are dedicated to supporting candidates interested in writing grants and applications to establish their research groups. The long duration of the positions presents an exceptional opportunity for motivated researchers to develop their research programs and gain teaching and mentoring experience.

Research Focus:

Theoretical biology is a multi-disciplinary field and often examines complex systems. While theoretical biology is primarily associated with the natural and life sciences, there are some parallels and connections between the concepts and approaches used in theoretical biology and certain areas of the humanities. From ecology and evolutionary biology to the philosophy of biology, cultural evolution and digital humanities, our group welcomes the breadth while maintaining a connection to the living systems. Our research agenda is centred on exploring the origins and dynamics of the dynamic processes and patterns across various scales of organization, ranging from sub-cellular to societal levels. We desire to uncover fundamental properties of living systems and where possible apply our findings to real-world contexts such as agriculture, conservation, and medicine. For insights into our group's interests, please visit our publications page: https://tecoevo.github.io/publications/ Opportunities and Expectations:

The successful candidates will enjoy considerable freedom in exploring a broad spectrum of systems, from microbial to social contexts. With the autonomy to develop ambitious projects, they can establish their independent research profiles.

Qualifications:

- PhD in theoretical biology, mathematics, physics, computer science, or a related field - Excellent communication skills and a collaborative mindset across disciplines - Demonstrated ability to generate original research ideas - Experience in the direction where they want to develop their expertise further

Responsibilities:

- Develop and execute research projects in the field of theoretical biology - Contribute research findings to peer-reviewed journals - Engage in teaching and mentoring of both undergraduate and graduate students - Participate actively in departmental and university activities

We Offer:

Membership in a highly supportive and collaborative research team

Access to modern facilities and an international research environment

Encouraged within University cooperation possibilities across scales for e.g. :

microbiology (https://www.biozentrum.uni-wuerzburg.de/en/mikrobio/research/)

animal ecology and tropical biology (https://-www.biozentrum.uni-wuerzburg.de/en/zoo3/)

social psychology (https://www.psychologie.uni-wuerzburg.de/en/research/research-profile/)

The University of Würzburg is committed to promoting diversity, equity, and inclusion, and we strongly encourage applications from individuals from underrepresented groups.

Salary and benefits are according to public service positions in Germany (TVL, full position. The position is suitable for part-time employment). Female scientists are particularly encouraged to apply. Disabled applicants will be preferentially considered in case of equivalent qualifications.

Applications

Please send your application as a single pdf file per email tochaitanya.gokhale@uni-wuerzburg.dewith the Subject "Postdoc application 2023".

Application pdf should include,

a cover letter stating the motivation for pursuing a postdoc and the choice of group, location,

A project proposal for your work for the coming four years (limit to 3 pages, including references),

CV,

relevant certificates, preprints, and names and contact details of at least two potential referees.

Deadline:15th of October 2023

Applications will be processed as received. The positions starts as soon as possible.

For further information, please contact

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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

Vienna Austria PolygenicAdaptation

reminder:

Postdoc positions are available within the *Special Research Program (SFB)* < https://-www.vetmeduni.ac.at/sfb-polygenic-adaptation >* "Polygenic adaptation: from single selected loci to the infinitesimal model" in Vienna, Austria*. Vienna is on top of the world's most liveable cities and home to one of the largest communities of evolutionary research in Europe (www.evolVienna.at).

The SFB program is funded by the Austrian Science Fund (FWF) and brings together eight research groups at four institutions in and around Vienna with the common goal of elucidating the evolutionary genetics of adaptation of complex phenotypes: *Neda Barghi* < https://www.vetmeduni.ac.at/en/population-genetics/research/barghi-lab/group-leader > *, **Robert Kofler* < https://www.vetmeduni.ac.at/en/-population-genetics/research/kofler-lab >*, **Christian Schlötterer* < https://www.vetmeduni.ac.at/en/-population-genetics/research/schloetterer-lab > * (Vetmeduni); **Joachim Hermisson* < https://-www.mabs.at/team/ >*, **Himani Sachdeva* < https://www.mabs.at/team/ >* (Univ. of Vienna); **Magnus Nordborg* < https://www.oeaw.ac.at/-gmi/research/research-groups/magnus-nordborg/ >*, **Kelly Swarts* < https://www.oeaw.ac.at/gmi/-research/research-groups/kelly-swarts >* (Gregor Mendel Institute); **Nick Barton* < https://-bartongroup.pages.ist.ac.at/people/group-leader/ >* (ISTA)*. For young scientists, this cluster offers a unique environment for interaction and personal growth.

The SFB aims to develop a framework for understanding polygenic adaptation and to establish new standards for the analysis of adaptive polygenic traits in GWAS and experimental evolution studies. We will combine model-based conceptual work and data-driven approaches from GWAS and experimental evolution to achieve this goal. The models and methods that will be developed integrate population genetic and quantitative genetic approaches to detect, analyze, and interpret genomic patterns of the "architecture of polygenic adaptation".

*SFB - a collaborative environment for research and learning: *The theoretical and empirical projects of the SFB are highly synergistic and the collaborative nature of the SFB will provide an inspiring academic environment and promote curiosity-driven research. The interaction between projects of the SFB is strongly facilitated by a long-standing track record of fruitful interactions among the PIs. The PhD students and postdocs in the SFB will benefit enormously from these tight interactions.

To ensure a good integration of experiment and theory, researchers have the opportunity to spend some time in a group from the other "camp". These regular exchanges will improve the mutual understanding of concepts and problems, ensure that the theoretical work is guided by experiments (and vice versa) and will represent a true added value of the SFB. In addition to the formal supervisor, both PhD students and postdocs will have at least one co-advisor with complementary expertise.

*Courses: *The recruited early-stage researchers in the SFB will have the opportunity to acquire experience beyond their own projects and working groups.

The SFB PIs participate in joint teaching activities and representatives of all institutions are contributing to the Vienna Graduate School of Population Genetics (www.popgen-vienna.at). The PhD students will be integrated in the Vienna Graduate School of Population Genetics, which offers a 5-week introductory course that covers subjects as diverse as statistics, population genetics, Drosophila genetics, programming, NGS data analysis (both DNA- and RNA-Seq) and quantitative genetics.

SFB postdocs will have the opportunity to participate in the teaching in introductory course in their areas of expertise. But at the same time can attend specific modules of the introductory course together with the PhD students. This joint event will have a tremendous impact on team-building and can enable scientists from different host institutions to establish strong ties which can result in research collaborations.

The IST Graduate School offers more advanced courses in evolutionary

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VirginiaStateU BioluminescentFungiOmics

Postdoctoral Position in Integrated and Comparative -Omic Study of Bioluminescent Fungi

CLOSING SOON: The application will close at the end of September 24, 2023, U.S. Eastern Time.

We are seeking a creative and highly motivated postdoctoral candidate to join our team who is interested in applying cross-species multi-omics approaches, including the genomic, epigenomic, transcriptomic, and proteomic approaches, to study the evolution of bioluminescence in fungi. This is a part of the collaborative project (including multiple institutions in U.S.A. and Brazil) to study the biodiversity in the Dry Diagonal of Brazil in comparison to the Atlantic Forest and Amazon, and the group meets on a regular monthly basis.

The Xie Lab is in the Department of Biology at the Virginia State University but also a leading lab of the interdisciplinary Genomics and Bioinformatics Program and the Center for Biotechnology on the campus. The Lab is housed in a recently renovated building and well equipped with instruments for sequencing (including an Illumina MiSeq, a NextSeq 500, and Nanopore sequencers), other related molecular biology instruments, and a Linux server for bioinformatic analysis.

A strong background in evolutionary genomics and excellent communication, organizational, and leadership skills are required. The applicant should have a strong work ethic, and is expected to develop creative solutions and new ideas that promote current research and her/his own future independence. The postdoc will be expected to assist with training graduate and undergraduate students in the lab, develop synergistic projects, write grant proposals, produce first authored papers, and contribute to co-authored papers. The Xie Lab has a strong commitment to maintaining an inclusive space in the lab that is welcoming to anyone who wants to experience research, thus applicants should share this commitment to diversity and inclusion.

Ideal applicants will have:

* Experience with best practices for analyzing NGS data * Strong skills to code in at least one programming language * Productivity in high quality research (as evidenced by first authored publications) * Strong written and oral communication skills

* Ability to work effectively and collegially with colleagues and be a productive member of a research team

Other traits not required, but preferred:

* Experience with best practices for analyzing the Nanopore/PacBio sequencing data * Molecular Skills (e.g. DNA/RNA preps, generating NGS libraries, and sequencing)

* Proficiency in oral communications in Portuguese

The position is available for a minimum of one year as a full-time 12-month appointment, with possible renewal based on satisfactory performance. The compensation includes competitive salary and full benefits. Selected applicants will also benefit from funds to travel to scientific meetings annually, opportunities for mentoring, teaching, and further career development. Additional lab funds for independent projects may also be available later. The position is available immediately.

Applicants must have a Ph.D. in an appropriate field. The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time the appointment is scheduled to begin and continue working legally for the proposed term of employment. Women and minorities are strongly encouraged to apply.

Virginia State University is located in central Virginia, which is close to almost everything. It is about two hours away from the Appalachia mountains and the Shenandoah National Park, the ocean, Washington DC, and the Research Triangle in North Carolina. The “River City” Richmond is very close by and the annual Richmond Folk Festival has been attracting performers and audience from across the world. There are great opportunities for sightseeing (particularly historic sites), water activities, hiking, camping, outdoor activities, arts, and sports, etc. Plus, the living expenses in this area are much more affordable than many other places in the U.S. and the area is generally safe as well.

If interested, please submit your application below:

Xianfa Xie, Ph.D. Associate Professor, Department of Biology Director, Center for Biotechnology, Genomics, and Bioinformatics Virginia State University

XXie@vsu.edu

Alex Xie <xiexianfa@gmail.com>

WorkshopsCourses

Bangalore India PopGen Feb12-23

Dear Colleague,

We are happy to announce the 6th Bangalore school on population genetics and evolution which will be held at ICTS, Bangalore during 12-23 February 2024.

This school aims to expose students and researchers from diverse backgrounds including biology, computer science, mathematics and physics to the basics and forefront of the current research in population genetics.

The course lecturers include Aurelien Tellier (Munich), Claudia Bank (Bern), Jun Kitano (NIG, Japan), Michael Whitlock (UBC), Sally Otto (UBC). There will also be research seminars by faculty working in India and dedicated poster sessions by student participants.

NOTE: We have some travel support for students from other Asian or African countries so please do apply!

For more details and to apply, please visit: https://-www.icts.res.in/program/popgen2024 Regards, Deepa Agashe (NCBS) and Kavita Jain (JNCASR)

Kavita Jain <jain@jncasr.ac.in>

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Cesky Krumlov Genomics Jan7-20

Hello EvolDir community,

Applications are now open for the Workshop on Genomics 2024, Cesky Krumlov, Czech Republic!

Dates: 7th - 20th January 2024

Application Deadline: 18th October 2023

Fee: The workshop costs $1950. Note that the workshop is non-profit and runs entirely on registration fees.

The annual Workshop on Genomics is an intensive immersive training opportunity for all things genomics! The workshop runs for two weeks, from 9am to 10pm daily. This is the 13th time the Workshop on Genomics will be held in the Czech Republic.

2024 topics: Unix, R, alignment, genome assembly, genome annotation, variant calling (SNPs and SVs), pangenomics, transcriptomics, single-cell transcriptomics, RNAseq and gene expression, population genomics, microbiome analysis, comparative genomics, structural variation, phylogenomics.

2024 faculty: Mike Zody (New York Genome Center), Rayan Chikhi (Institut Pasteur), Camille Marchet (University of Lille), Antonine Limasset (University of Lille), Erik Garrison (University of Tennessee), Fritz Sedlazeck (Baylor College of Medicine), Guy Leonard (Univer-

sity of Oxford), Brian Haas (Broad Institute), Rachel Steward (Lund University), Sonya Dyhrman (Columbia University), Vincenza Colonna (Institute of Genetics and Biophysics), David Barnett (Maastricht University), Marcela Uliano-Silva (Wellcome Sanger Institute), Francesco Cicconardi (University of Bristol), Evan Eichler (University of Washington), Rosa Fernández (Institute of Evolutionary Biology, CSIC-UPF), Chris Wheat (Stockholm University).

A detailed schedule and more information is available here:

https://evomics.org/2024-workshop-on-genomics/ We also have Equal Opportunities funding available for applicants from low / middle-low income countries. More details available here: https://evomics.org/bursaries/ We look forward to seeing you in the Czech Republic in January!

Marie Skłodowska-Curie Actions Postdoctoral Fellow,

Department of Life and Environmental Science (Di.S.V.A.), Università Politecnica Delle Marche (Marche Polytechnic University), Via Brecce Bianche,60131 Ancona, Italy

Josie Paris <parisjosephine@googlemail.com>

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CzechRepublic Phylogenomics Jan21-Feb3

Dear Colleagues,

We're excited to announce that the Workshop on Phylogenomics will return to Cesky Krumlov from 21-January through 3-February 2024!

The Workshop will bring together an international collection of faculty members and workshop participants to study and discuss current ideas and techniques for exploring phylogenomics. The Workshop will consist of a series of lectures, demonstrations and computer laboratories that cover theoretical and conceptual aspects of large-scale phylogenetics and phylogenomics, with a strong emphasis on data analysis.

Topics of the Workshop are diverse and include:

- Introduction to Phylogenomics: data matrix assembly (e.g., alignment, trimming, partitioning, concatenation) and tree visualization. - State-of-the-art methods and software used in phylogenomic inference (Concatenation and coalescent methods, machine learning, etc.) - Orthology, paralogy, and evolution of gene families - Trait evolution on trees - Phenotypic and species diversification - Macroevolutionary genotype-phenotype association studies - Incongruence - Green computing - Phylogenomics in deep time - Horizontal gene transfer - Target capture sequencing approaches in phylogenomics

The line-up of speakers/faculty includes Olivier Gascuel (Institut de Systématique, Ãvolution, Biodiversité, MNHN, Paris, France), Hélèn Morlon (Institute of Biology at the Ecole Normale Supérieure, Paris, France), Alexey Kozlov (Heidelberg Institute for Theoretical Studies, Germany), Lisa Pokorny (Royal Botanic Garden, Madrid, Spain), Jordi Paps (University of Bristol, UK), Marina Marcet-Houben (Barcelona Supercomputing Center, Spain), Laura Eme (Université Paris-Saclay, France), and Kerstin Lindblad-Toh (Uppsala University and Broad Institute), among others.

The Workshop is organized by Anna Karnkowska (University of Warsaw), Antonis Rokas (Vanderbilt University), Toni Gabaldon (IRB Barcelona, Barcelona Supercomputing Centre) and Rosa Fernandez (Institute of Evolutionary Biology CSIC-UPF, Barcelona) and supported by an excellent team of Teaching Assistants.

The Workshop on Phylogenomics will take place in the idyllic village (and UNESCO world heritage site) of Cesky Krumlov, located in the Southern Bohemian region of the Czech Republic from January 21 to February 3, 2024. Applications for the workshop via the website will open shortly and be open until Oct 18. Applications received after the deadline will be placed on the waiting list.

Please check the website http://evomics.org/2024-workshop-on-phylogenomics-cesky-krumlov/ for updated information on the schedule, faculty and for submitting your application. We look forward to seeing you there!

Is the Workshop on Phylogenomics too specific or not the right match for your needs? Check out the awesome Workshop on Genomics (http://evomics.org/2024-workshop-on-genomics/) for a zero-to-hero course getting you into bioinformatics!

"Steffen, Karin" <karin.steffen@Vanderbilt.Edu>

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Erice Italy SexualSelection May17-21

Chiara Morosinotto, PhD Department of Biology, University of Padova, Italy

Chiara Morosinotto <chiara.morosinotto.1@unipd.it>

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

Dear all,

We would like to announce our upcoming workshop on "Sexual Selection in a Changing World" in the beautiful Erice, Sicily (Italy), 17-21 May 2024.

The onset of the Anthropocene presents natural populations with novel challenges at a hyper-accelerated rate. How do sexual selection, sexual competition, and mate choice help or hinder adaptation to environmental change? How can we make generalizations and predictions about these effects from information we can easily measure? How can we apply this knowledge to best practices in conservation? These urgent questions center around the fitness dynamics of sexual selection, a topic of contention for decades. For this workshop, we bring together internationally renowned theoreticians and empiricists from fields ranging from evolutionary genomics to behavioral ecology, population biology and cognitive ecology. Through talks, round tables, and structured discussions, we bring experts and students together to find areas of consensus, debate, and collaboration.

*Top line-up of speakers: Aneil Agrawal, Alex Aguilar, Suzanne Alonzo, Francesca Cagnacci, Ulrika Candolin, Costantino Macias Garcia, Tim Janicke, Jan Komdeur, Loeske Kruuk, Andrea Pilastro, Noa Pinter-Wollman, Gil Rosenthal, Ryan Schacht, Rhonda Snook, Tamï¿½s Szï¿½kely, Claus Wedekind, Franjo Weissing.

Registration and abstract submission deadline: 30th November 2023

*Participation fees: ALL-INCLUSIVE, comprehensive of registration to the workshop, lodging, meals, coffee breaks and transport to and from the airport (Palermo or Trapani).

For more details and how to apply, please visit:

https://centromajorana.it/sexualselection2024/

For any questions, please contact <sexualselection2024@centromajorana.it>

On behalf of the workshop organizers,

Best regards,

Chiara Morosinotto,

chiara.morosinotto.1@unipd.it

Erice Italy UrbanMammals Nov20-25

Dear all,

We would like to announce our upcoming workshop on "Urban Mammals in Europe".

The urbanisation of mammals is widespread in European countries and is raising many issues related to wildlife management, animal welfare, and public health. Urban wildlife is usually classified as exploiters, adapters, or avoiders in relation to their ecology and the consequent capacity to adapt to urban environments. Living in proximity to humans poses important challenges to mammal species inducing modifications in their behaviour, body condition, feeding ecology, health status and genetics. Here we aim to give a broad overview of this well-established phenomenon with reference to European mammals discussing the present situation and future perspectives with an adaptive management focus. The workshop combines presentations from internationally recognized speakers and plenty of time to discuss and interact with them.

Course dates: 20-25 November 2023

Course location: Erice, Sicily, Italy

Course website: https://www.centromajorana.it/-urbanmammals2023/ *Topics and speakers:*

*"Uncertainty in the city": the opportunities and challenges of urban ecosystems for mammals - * PETER W.W. LURZ

*Human-wildlife conflicts in urban ecosystems - * IZABELA WIERZBOWSKA

*Urbanization and its effects on behaviour: what can Canids tell us? - * SARAH MARSHALL-PESCINI

*Urban mammals: consumption of human resources, health and stress physiology - * REBECCA RIMBACH

*Urban mammals and their gut microbiota: what determines what? - * ANTTON ALBERDI

*Evolution in the city: a molecular ecology perspective -

* MASSIMO SCANDURA, NADIA MUCCI, ROMOLO CANIGLIA

*Urban mammals in Slovenia - * BOSTJAN POKORNY

*Urban mammals in Poland - * MIROSLAW RATKIEWICZ

*Urban mammals in Spain - * JOAQUIN VICENTE

*Urban mammals in Italy - * MARCO APOLLONIO, SANDRO BERTOLINO, FRANCESCO FERRETTI, ADRIANO MARTINOLI

For any questions, please contact <urbanmammals2023@centromajorana.it>

Best regards,

Laura Iacolina

Laura Iacolina <lauraiacolina@gmail.com>

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HongKong eDNA Oct16-27

Dear all,

We will be hosting the first international workshop on environmental DNA (eDNA) in Hong Kong from 16-27 October 2023! *The registration will be open until the end of next week: Friday 22 of September. If you are interested, please register soon. *

With a combination of fieldwork, laboratory practice and data analysis, this workshop aims to give all the knowledge necessary for the participants to run their own eDNA project afterwards. The first week will focus on best practice and general knowledge on eDNA while the second week will focus on bioinformatics and statistical analysis. The participants will be given a dataset to play with the goal of putting together a manuscript.

Please find the detail of the program, instructor and registration link at https://www.seymourlab.net/edna-workshop-2023 . Registration is open and limited to 30 participants.

Any questions, please message Dr. Isis Guibert at iguibert@hu.hk

Isis Guibert, Ph.D. The University of Hong Kong Kadoorie Biological Sciences Building Pokfulam Road, Hong Kong, PRC

@GuibertIsis

Isis Guibert <isis.guibert@orange.fr>

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Online aDNAGenomics Nov13-16

Dear all,

We are excited to invite you to a comprehensive online course that will equip you with the skills to seamlessly integrate ancient DNA data into your evolutionary genomics studies. The “Incorporating Paleogenomes into Evolutionary Genomics Studies” course offers an invaluable opportunity to learn from leading experts in the field and enhance your understanding of this rapidly evolving area of research.

Course Details: Dates: 13-16 November 2023 Format: Online to facilitate international participation Course website: (https://www.physalia-courses.org/-courses-workshops/adapt/)

This course is aimed at Masters or PhD students as an introduction into including ancient DNA data into their genomic analyses. The course will cover mapping, filtering and quality control checks of ancient DNA. Inference of population structure when including ancient DNA samples. Inferring demographic histories using of ancient samples. And lastly, assigning genomic regions under selection to distinct adaptive haplotypes of known association with specific habitats.

Course is free of charge and funded by the ADAPT ESEB special topic network. Participants must be student members of ESEB (The European Society of Evolutionary Biology). Student membership costs 30 euros and comes with a range of benefits, including reduced open access publishing and conference fees: (https://eseb.org/society/eseb-membership/) The maximum allowable number of students is: 18! To enroll for this course, kindly complete this (https://docs.google.com/forms/-d/e/1FAIpQLSda3fRIgpo8ERDRjliF3bCU0lFiDC-cKkZAMlxwu7aKM9HxrQ/viewform). The deadline for registration is the 15th of September. The 18 successful students will be notified a few days after the registration deadline.

Course Schedule: Monday: Mapping and Quality Control Checks Tuesday: Population Structure Inference Wednesday: Demographic History Analysis Thursday: Selection Analysis Each day will consist of a 3-hour

session starting at 1:00 PM EU time. Throughout the week, you will engage in practical sessions and gain hands-on experience using data from the recent Kirch et al. study on ancient threespine sticklebacks.

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 Follow us on (https://mas.to/@PhysaliaCourses)

"info@physalia-courses.org" <info@physalia-courses.org>

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Online GeneralisedLinearMixedModels Oct9-13

Dear all,

We wanted to inform you that there are only 3 seats left for the upcoming course on "GENERALISED LINEAR MIXED MODELS IN R"

Dates: Online 9th-13th October 2023

Course website: (https://www.physalia-courses.org/-courses-workshops/glmms-in-r/)

In this course you will learn to specify, interpret, and validate linear and generalized linear mixed models. The focus is on producing a valid and defensible analysis of experimental or observational data in an applied research context in R, with an emphasis on the lme4 and glmmTMB regression packages.

By the end of this course, you will:

1. Deepen your understanding of fundamental regression concepts. 2. Grasp the components of the GLMM framework, including distributions, random effects, variance structures, and correlation structures. 3. Gain the ability to choose the appropriate model structure for your applied analysis. 4. Learn how to visualize fitted GLMMs and assess model assumptions. Should you have any questions, please do not hesitate to contact us.

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 Follow us on (https://mas.to/@PhysaliaCourses)

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Online HumanPopGenetics Oct-17

Dear Everyone,

On behalf of the Educational Team of the Institut Pasteur, it is my pleasure to announce the launch of the third edition of the free online MOOC on Human Population and Evolutionary Genetics, which will start on October 17, 2023. The registration is completely free and open until December 6, 2023.

The rich and multidisciplinary content of this MOOC is aimed at anyone who wants to understand how genomic data is used to learn about human history and how natural selection has impacted our species. The first part of the course will introduce essential concepts in population and evolutionary genetics. The second part will introduce the tools used to infer past human history, including an overview of the genetic history of various human populations across the world. The third part will introduce the concept of natural selection and the methods used to detect selection, including examples of past human adaptive events to local environments. The fourth part will describe how the analysis of the genomes of both modern and ancient peoples have facilitated a number of breakthroughs in our understanding of human evolutionary history and its biological impact.

At the end of this course,you will be able to:

Define what is population and evolutionary genetics

Explain the evolutionary factors driving human genetic diversity Describe the genetic history of our species across the different continents Learn how humans have adapted to distinct local environments Understand the evolutionary impact of archaic introgression on human phenotypes and disease

Below you can find the link for the registration

https://www.fun-mooc.fr/en/courses/human-population-and-evolutionary-genetics/ I will be moderating the forum and addressing any questions that you may have. We encourage you to participate in the different debates on current topics on human population and evolutionary genetics that we will post on the forum. We will also invite you to participate in live sessions to discuss and ask questions to our experts.

I wish you an exciting and enriching experience and I am looking forward to exchanging with you on these fascinating topics.

Best,

Oguzhan PARASAYAN Postdoctoral Researcher Human Evolutionary Genetics Unit Institut Pasteur 28 rue du Dr Roux 75015 Paris France

Oguzhan PARASAYAN <oguzhan.parasayan@pasteur.fr>

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Online IntroMorphologicalDisparity Nov20-29

Dear colleagues,

Registration is open for the course "Introduction to the Analysis of Morphological Disparity"

Instructor: Dr. Thomas Smith [1] (University of Oxford, UK).

Schedule: Online live sessions on the 20th, 22nd, 24th, 27th, and 29th of November, from 13:00 to 18:00 (Madrid time zone).

Course overview

Analyses of morphological disparity provide unique perspectives of evolutionary history, quantifying the anatomical variety of clades and its fluctuation through time. This course will provide an in-depth overview of the different types of data and methods that underpin these analyses and give participants the necessary skills and understanding to apply them to their own research questions.

Across five days, we will cover the advantages and disadvantages of different types of morphological data in analyses of disparity, the range of distance metrics than can be used to quantify intertaxon dissimilarity, and the ordination methods that can be used to reduce dimensionality and facilitate interpretation. How the resulting patterns in disparity can be visualised, quantified, and interpreted with nuance will also be covered at length.

This course will be predominantly practical but will include some theoretical lectures to provide a thorough grounding in the fundamentals of distance metric calculation and ordination. How different types of morphological data are derived will also be discussed but will not be included in the practical component of the course. All analyses will be conducted in R, a free software environment for statistical computing and graphics (https://www.r-project.org/). These analyses will use functions from a variety of packages including ape, geiger, phytools, phangorn, Claddis, dispRity, vegan, and geomorph.

We will provide a selection of model datasets for participants to use during the practical components of the course. However, we encourage attendees to bring their own datasets so that they can gain experience tailoring the techniques this course will introduce to their own analytical needs right away.

You can check the full information (and registrations) here: https://www.transmittingscience.com/-courses/evolution/introduction-to-the-analysis-of-morphological-disparity/ Best wishes

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com Twitter @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890

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/instructors/-thomas-smith/

— / —

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

Online IntroRNAseqBioinformatics Oct24-31

Dear colleagues,

Registration is open for the online edition of the course "Introduction to RNA-seq bioinformatic pipelines".

Dates and schedule: Online live sessions on 24, 26, 27, 30, and 31 October; 13:00 to 17:00 (Madrid time zone), plus 6 hours of participants working on their own.

Instructors: Marcela Dotto and Hernan G. Rosli.

More information and registrations: https://-www.transmittingscience.com/courses/genetics-and-genomics/introduction-to-rna-seq-bioinformatic-pipelines/ Course Overview:

This is an introductory course aiming at guiding 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 the use of Linux-based software and tools and is oriented to graduates or postgraduates with a degree in Biomedical or Life Sciences. 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.

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Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

Online IntroToDeepLearning Oct2-6

Dear all,

We hope this email finds you well. We are excited to inform you that there are just four seats left for our upcoming course, "Introduction to Deep Learning for Biologists," scheduled for 2-6 October 2023. This course is an excellent opportunity for professionals and researchers interested in harnessing the power of deep learning in the field of biology.

Here's a brief overview of the course:

Course Details: - **Dates:** online,2-6 October 2023 - **Course website** (https://www.physalia-courses.org/courses-workshops/course67/)

Course Highlights: - Gain a solid theoretical foundation in deep learning for biological data. - Focus on Convolutional Neural Network (CNN) architectures for real-world data classification, regression, and image segmentation. - Learn essential concepts such as prediction performance measurement, cross-validation, overfitting prevention, and model generalizability.

The course spans five days, featuring engaging lectures, interactive class discussions, and practical hands-on sessions. You'll work collaboratively on exercises, enabling you to apply your newfound skills and receive immediate feedback. Basic Python programming skills and familiarity with the Linux environment will be helpful, but we welcome participants at all skill levels.

To prepare for the course, you can enhance your Python skills by exploring exercises prepared by our instructors (https://github.com/ne1s0n/coding_excercises) .

By the end of the course, you will have a comprehensive understanding of deep learning, classification, regression, segmentation, and their applications in biology. You will also learn how to evaluate prediction accuracy, compare models, and effectively utilize real-world data for statistical learning.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

We look forward to welcoming you to our course and exploring the exciting world of deep learning for biologists together.

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 Follow us on (https://mas.to/@PhysaliaCourses)

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Online Phylogenomics Dec4-8

Dear all,

We are excited to announce our upcoming online course on Phylogenomics, focused on Phylogenetic Inference and Divergence-Time Estimation with Genomic Data Sets. This course aims to provide researchers with the necessary tools and techniques to harness the power of genomic data for understanding evolutionary relationships and divergence times.

- **Dates:** 4-8 December 2023

- **Format:** Online to facilitate international participation

- *Course website:** : (https://www.physalia-courses.org/courses-workshops/phylogenomics/)

This course will equip participants with the theoretical knowledge and practical skills needed to confidently infer time-calibrated phylogenies from multi-locus genome data sets, while accounting for these challenges.

This course is tailored for researchers, PhD candidates, and postdocs aiming to infer phylogenetic relationships and divergence times from multilocus data, regardless of prior experience. Whether you're new to the field or seeking to enhance your skills, this course is designed to cater to a diverse range of learners.

For the full list of our courses and Workshops, please have a look at: (https://www.physalia-courses.org/-courses-workshops)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 Follow us on (https://mas.to/@PhysaliaCourses)

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Online PythonDataManipulation Oct16-19

Dear all

Are you looking to sharpen your data manipulation and visualization skills in Python? We have the perfect opportunity for you: https:/www.physalia-courses.org/-courses-workshops/course38/ **Dates: Online, October 16th-19th, 2023**

In this course, we'll guide you through the entire data visualization process in Python, from data preparation to creating impactful visuals. Whether you're in science, research, or any field dealing with data, this course is tailored to enhance your skills.

Basic familiarity with Python is required, but you don't need to be an expert. If you want to brush up on your Python skills before the course, we have exercises to help you get up to speed.

By the end of the course, you will: - Understand best practices for organizing data visualization projects - Learn how to manipulate data using numpy and pandas - Create a wide range of visualizations, from common to advanced - Implement interactive charts and explore the seaborn library - Adapt course examples to real-world applications

Course Program - Monday: Introduction to data visualization, Python setup, and data handling with Numpy and Pandas. - Tuesday: Deeper dive into Pandas, Matplotlib for core plots and customization. - Wednesday: Explore Seaborn for standard and distribution plots. - Thursday: Hands-on practice with maps, interactive plots, and guided exercises.

This course follows a "learn by doing" approach, ensuring that you gain practical experience that you can apply immediately.

For the full list of our courses and Workshops, please have a look at: https://www.physalia-courses.org/-courses-workshops/course38/ Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 Follow us on (https://mas.to/@PhysaliaCourses)

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Online RADseqDataAnalysis Oct30-Nov3

Dear all, there are still a few seats available for the upcoming RADseq data analysis course!

Dates: online October 30th - November 3rd

Website: (https://www.physalia-courses.org/courses-workshops/course16/)

Our course will introduce you to various approaches for obtaining reduced representation genome sequencing data, with a special focus on data analysis using Stacks. We'll guide you through the steps needed to extract informative genome variants for population genetics, phylogenetics, and association studies.

This course spans five days of comprehensive learning. Each day kicks off with an informative lecture, followed by class discussions of key concepts. The bulk of each day is dedicated to practical hands-on sessions. These sessions blend instructor-led demonstrations with individual exercises, ensuring you gain both knowledge and practical skills

Our course is designed for researchers and technical professionals involved in generating and analyzing reduced representation genome sequencing data (RADseq, ddRAD, 2bRAD, GBS, and more). We'll primarily showcase examples involving non-model organisms, some with draft reference genomes and some without. You should have a foundational background in biology. We'll also dedicate a session to cover basic and advanced Unix concepts.

For the full list of our courses and Workshops, please check it out: (https://www.physalia-courses.org/-courses-workshops/course16/)

Best regards, Carlo

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Online RADseq PopGenomicsWithStacks Oct2-6

Early bird deadline approaching - 18th September

The Practice of RADseq: Population Genomics Analysis with Stacks (RADS02)

https://www.prstatistics.com/course/the-practice-of-radseq-population-genomics-analysis-with-stacks-rads02/ 2nd - 6th October 2023,09:00-16:00CDT (Central Daylight Time),however all sessions will be recorded and made available daily allowing attendees from different time zones to follow. Cost Early bird - book before 18th September350.00 Normal- book after 18th September450.00

Delivered byDr Julian Catchen

Please feel free to share!

About This Course

This course is aimed at introducing researchers to the theory and practice of using reduced representation libraries - such as RAD sequencing - to preform population genomic analysis in non-model organisms. The course will center on running the software pipeline Stacks, focusing on how the characteristics of the underlying molecular libraries result in weak or robust analytical results. Sessions will be live online, consisting of a blend of lectures, interactive demonstrations, and lab practicals, where participants will have the opportunity to ask questions throughout. Computation will be done on the Amazon AWS Cloud.

By the end of the course, participants should be able to:

Navigate the UNIX file system, execute commands, and interact with bioinformatic data files; Understand how to perform ade novoanalysis - without a reference genome - including parameter optimization; Understand how PCR duplicates and other molecular library characteristics affect analysis; Complete a reference genome-based analysis; Take the outputs from Stacks to complete a Structure analysis (de novo), a genome scan based on FST(reference-based), and a private allele analysis. Please emailoliverhooker@prstatistics.com

Upcoming courses

ONLINE COURSE - Multivariate Analysis Of Ecological Communities Using R With The VEGAN package (VGNR05)

https://www.prstatistics.com/course/multivariate-analysis-of-ecological-communities-using-r-with-the-vegan-package-vgnr05/ ONLINE COURSE - Path analysis, structural equations and causal inference for biologists (PSCB01)

https://www.prstatistics.com/course/path-analysis-structural-equations-and-causal-inference-for-biologists-pscb01/ ONLINE COURSE - Introduction to generalised linear models using R and Rstudio (IGLM06)

https://www.prstatistics.com/course/introduction-to-generalised-linear-models-using-r-and-rstudio-iglm06/ ONLINE COURSE -Quantitative analysis of infrared spectroscopy data for soil and plant sciences (SPEC02)

https://www.prstatistics.com/course/quantitative-analysis-of-infrared-spectroscopy-data-for-soil-and-plant-sciences-spec02/ ONLINE COURSE - Introduction To Mixed Models Using R And Rstudio (IMMR07)

https://www.prstatistics.com/course/introduction-to-mixed-models-using-r-and-rstudio-immr07/ ONLINE COURSE - Model selection and model simplification (MSMS04)

https://www.prstatistics.com/course/online-course-model-selection-and-model-simplification-msms04/ ONLINE COURSE - Data wrangling using R and Rstudio (DWRS03)

https://www.prstatistics.com/course/data-wrangling-using-r-and-rstudio-dwrs03/ ONLINE COURSE - Machine Learning with R (Intermediate - Advanced) (MLIA01)

https://www.prstatistics.com/course/machine-learning-with-r-intermediate-advanced-mlia01/ ONLINE COURSE - Data visualization with ggplot2 using R and Rstudio (DVGG04)

https://www.prstatistics.com/course/data-visualization-with-ggplot2-using-r-and-rstudio-dvgg04/ ONLINE COURSE - Introduction to Time Series Analysis using R and Rstudio (ITSA02)

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Online RADseq withStacks Oct2-6

We still have 6 places left on our RADseq courses next week!

The Practice of RADseq: Population Genomics Analysis with Stacks (RADS02)

https://www.prstatistics.com/course/the-practice-of-radseq-population-genomics-analysis-with-stacks-rads02/ 2nd - 6th October 2023,09:00-16:00CDT (Central Daylight Time),however all sessions will be recorded and made available daily allowing attendees from different time zones to follow. Cost -450.00

Delivered byDr Julian Catchen

Please feel free to share!

About This Course

This course is aimed at introducing researchers to the theory and practice of using reduced representation libraries - such as RAD sequencing - to preform population genomic analysis in non-model organisms. The course will center on running the software pipeline Stacks, focusing on how the characteristics of the underlying molecular libraries result in weak or robust analytical results. Sessions will be live online, consisting of a blend of lectures, interactive demonstrations, and lab practicals, where participants will have the opportunity to ask questions throughout. Computation will be done on the Amazon AWS Cloud.

By the end of the course, participants should be able to:

Navigate the UNIX file system, execute commands, and interact with bioinformatic data files; - Understand how to perform ade novoanalysis - without a reference genome - including parameter optimization; - Understand how PCR duplicates and other molecular library characteristics affect analysis; - Complete a reference genome-based analysis; - Take the outputs from Stacks to complete a Structure analysis (de novo), a genome scan based on - FST(reference-based), and a private allele analysis.

Please emailoliverhooker@prstatistics.com

Upcoming courses

ONLINE COURSE - Introduction to generalised linear models using R and Rstudio (IGLM06)

https://www.prstatistics.com/course/introduction-to-generalised-linear-models-using-r-and-rstudio-iglm06/ ONLINE COURSE -Quantitative analysis of infrared spectroscopy data for soil and plant sciences (SPEC02)

https://www.prstatistics.com/course/quantitative-analysis-of-infrared-spectroscopy-data-for-soil-and-plant-sciences-spec02/ ONLINE COURSE - Introduction To Mixed Models Using R And Rstudio (IMMR07)

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https://www.prstatistics.com/course/data-visualization-with-ggplot2-using-r-and-rstudio-dvgg04/ ONLINE COURSE - Introduction to Time Series Analysis using R and Rstudio (ITSA02)

https://www.prstatistics.com/course/introduction-to-time-series-analysis-using-r-and-rstudio-itsa02/ ONLINE COURSE - Introduction to Machine Learning using R and Rstudio (IMLR02)

https://www.prstatistics.com/course/introduction-to-machine-learning-using-r-and-rstudio-imlr02/ CURSO ONLINE - Introdução a Modelos Lineares Generalizados usando R e R Studio (IGLM07)

https://www.prstatistics.com/course/curso-online-introducao-a-modelos-lineares-generalizados-usando-r-e-r-studio-iglm07/ ONLINE COURSE - Movement Ecology (MOVE06)

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Online RNAseqNonModelOrganisms Dec11-15

Dear all, registrations are now open for our upcoming workshop on "RNA-Seq Analyses in Non-Model Organisms," designed to equip biologists with the skills necessary for successful transcriptome analysis. Here are the details:

Dates: December 11th-15th, 2023

Location: Online (to foster international participation)

Course website: (https://www.physalia-courses.org/courses-workshops/course11/)

This workshop focuses on exploring gene content and expression in non-model organisms through de novo transcriptome assembly, utilising Trinity software and analysis tools. Participants will learn how to assess Illumina RNA-Seq data quality, assemble transcriptomes, quantify transcript expression, perform differential expression analysis using Bioconductor tools, and functionally annotate transcripts with Trinotate.

Additionally, attendees will delve into the preprocessing of 3rd generation sequencing data and compare resulting assemblies. We will also explore methods for characterizing the assembled transcriptome and uncovering biological insights.

While prior experience with Linux command-line execution and bioinformatics tools is helpful, no programming or scripting knowledge is required. We will commence the course with a review of basic Linux commands and operations.

For further details about our courses and Workshops, please visit: (https://www.physalia-courses.org/courses-workshops/course11/)

Feel free to reach out if you have any questions or require additional information. We look forward to having you as part of our workshop.

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 Follow us on (https://mas.to/@PhysaliaCourses)

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Online StructuralVariants Dec11-13

Dear all,

registrations are now open for the Physalia course "Structural Variant detection and comparison", taking place in December (11th-13th).

Course website: (https://www.physalia-courses.org/courses-workshops/svs/)

This course will introduce biologists and bioinformaticians into the field of Structural Variant (SV) detection and comparison. We will cover a broad range of software and analysis workflows that extend over the spectrum from short to long read approaches using assembly or mapping based methods to identify these types of variants. We will further provide insights on how to filter and assess these SV and obtain a trio/population level VCF file by comparing SV. Lastly we will provide suggestions to assess their functional impact and how to prioritize / rank and QC these variants further.

By the end of the course, participants will be able to:

- Identify Structural Variants using mapping or assembly approach - Identify Structural Variants from long and short read data. - Compare and filtering Structural Variants. - Annotate of Structural Variants (gene overlap, Population frequency) - Generate a trio / population VCF file for Structural Variants - Identify mosaic / somatic Structural Variants

For the full list of our courses and workshops, please have a look at: (https://www.physalia-courses.org/courses-workshops/)

Best regards, Carlo

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Online VariantCalling Sep11-14

The Computational Biology Core at the University of Connecticut is offering a virtual Variant Calling workshop September 11-14, 2023.

The workshop will cover an introduction to linux and high performance computing, an introduction to variant detection, reference genome preparation, download and QC of sequence data, sequence alignment, QC and post-processing, variant detection using freebayes, GATK and bcftools, filtering and comparing variant sets, functional annotation, visualization.

WHERE: Virtual (zoom)

WHEN: 9:00 AM - 12:00 PM September 11-14, 2023

COST: $400 (UConn affiliates) $500 (External participants)

Registration is first come first serve, more information here: https://bioinformatics.uconn.edu/cbc-workshops/ Registration form: https://forms.gle/-vfo6Hogou3mYrFXBA Questions? E-mail cbcsupport@uconn.edu

"Nahom, Mia" <mia.nahom@uconn.edu>

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UGroningen PhylogeneticComparativeMethods Oct2-6

There are a few seats left on the PhD/Postdoc course on Phylogenetic Comparative Methods in R, taught by expert professors Harmon & Revell. The course venue is the unique 'Natuurvriendenhuis De Hondsrug' at Noordlaren, Netherlands, organized by the Research School Ecology & Evolution, University of Groningen.

For this occasion, professors Liam Revell < https://-faculty.umb.edu/liam.revell/ > (associate professor of biology at the University of Massachusetts, Boston) and Luke Harmon < https://www.uidaho.edu/sci/biology/-people/faculty/lukeh > (professor of biological sciences at the University of Idaho), authors of the recently published book on Phylogenetic Comparative Methods, join professor Rampal Etienne at the Groningen Institute for Evolutionary Life Sciences, to teach this in depth course for a limited number of PhD students and Postdocs.

Aim of the course:

Learn how to gain a solid foundation in the Phylogenetic Comparative methods and develop the skills you need to interpret patterns in the tree of life.

Contents & Structure:

Phylogenetic comparative methods are a suite of statistical approaches that enable biologists to analyze and better understand the evolutionary tree of life, and shed vital new light on patterns of divergence and common ancestry among all species on Earth. This course shows how to carry out phylogenetic comparative analyses in the R statistical computing environment. Liam Revell and Luke Harmon provide an incisive conceptual overview of each method along with worked examples using real data and challenge problems that encourage students to learn by doing.

The preliminary programme can be found here https:/www.rug.nl/research/ecology-and-evolution/-phdcourses/tentative-topic-and-activity-schedule-revell-and-harmon-workshop.pdf . The course will be held in the beautiful rural area and forest of Noordlaren at 'Natuurvriendenhuis De Hondsrug' and starts Monday afternoon the 2nd of October 2023 and ends Friday the 6th at noon. The registration fee is euro 375,- for all PhD students belonging to the RSEE and affiliated research schools (PE&RC, WIMEK). All other participants pay euro 750,-. This includes lodging, meals, and the course material at the course venue.

The number of participants is limited to 20 max.

For more information and to register, please visit the course website < https://www.rug.nl/-research/ecology-and-evolution/phdcourses/-phylogeneticmethods?lang=en > or contact the Course organizer:

Dr. Corine Eising (Research School Ecology & Evolution)

c.m.eising@rug.nl

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Virtual VariantCalling Oct23-26

The Computational Biology Core at the University of Connecticut is offering a virtual Variant Calling workshop October 23-26, 2023.

The workshop will cover an introduction to linux and high performance computing, an introduction to variant detection, reference genome preparation, download and QC of sequence data, sequence alignment, QC and post-processing, variant detection using freebayes, GATK and bcftools, filtering and comparing variant sets, functional annotation, visualization.

WHERE: Virtual (zoom)

WHEN: 9:00 AM - 12:00 PM October 23-26, 2023

COST: $400 (UConn affiliates) $500 (External participants)

Registration is first come first serve, more information here: https://bioinformatics.uconn.edu/cbc-workshops/ Registration form: https://forms.gle/-vfo6Hogou3mYrFXBA Questions? E-mail cbcsupport@uconn.edu

"Nahom, Mia" <mia.nahom@uconn.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.