E v o l D i r

March 1, 2025

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

Athens Georgia Evolution May29-30Jun20-24

Registration for Evolution 2025 is now open! Please join us for the virtual meeting from May 29-30, and/or for the in-person meeting in Athens, GA from June 20-24.

Evolution 2025 is the joint meeting of the American Society of Naturalists, the Society of Systematic Biologists, and the Society for the Study of Evolution. The meeting is one of the premiere international opportunities for sharing research on evolutionary biology.

The conference will be held in 2 parts: A 2 day virtual conference with live online workshops, talks, symposia, and networking events (May 29-30), followed a few weeks later by a 5 day in-person conference in Athens, GA, USA at the Classic Center, June 20-24. The in-person conference will include plenary addresses from the three societies, concurrent sessions, posters, workshops, mixers, and special events.

Alex Wong <AlexWong@cunet.carleton.ca>

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Barcelona ClimateChangeAndReproduction CallAbstracts

Call for Abstracts: Symposium on The Ecological and Evolutionary Implications for Climate Change on Reproduction at ESEB 2025.

Annual meeting of the European Society for Evolutionary Biology (ESEB) Will be held August 17-22 2025, in Barcelona Spain. Registration is open now!

The ESEB funded Special Topics Network (STN) on The Evolutionary Ecology of Thermal Fertility Limits is pleased to announce a contributed symposium on The Ecological and Evolutionary Implications for Climate Change on Reproduction at the Barcelona meeting.

We are also pleased to confirm Dr. Belinda van Heerwaarden (University of Melbourne) and Dr. Sergey Rosbakh (University of Copenhagen) as invited speakers.

Please consider sending in an abstract for this symposium. Abstract submission is open now, with a deadline

of 25th April 2025.

For more information and to submit your abstract, please visit: https://eseb2025.com/ We look forward to receiving your abstracts and networking with you in Barcelona this summer.

Best regards, Claudia Fricke, Amanda Bretman, Liam Dougherty, and Rhonda Snook Co-leaders, ESEB STN Thermal Fertility Limits.

Rhonda R Snook Professor Ecology Division Department of Zoology Stockholm University, Sweden

Rhonda Snook <rhonda.snook@zoologi.su.se>

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Chicago ModelingTheoryPopBiology Jun2-6

Applications are open for the second annual meeting of the Society for Mathematical and Theoretical Population Biology, taking place June 2nd - June 6th at the National Institute for Theory and Mathematics in Biology in Chicago!

There are a limited number of fully funded slots for PhD students and postdocs, but the deadline to apply is soon: February 28th, 2025. For those arranging their own transportation and accommodation (no registration fee!), the deadline to apply is March 14th, 2025.

The application form is at https://www.nitmb.org/-modeling-and-theory-in-population-biology. Unlike at Banff last year, where all attendees presented, note that this year, with larger attendance expected, there will be a competitive selection process for presentations. You may also apply just to attend without presenting. We strongly encourage applicants to sign up to facilitate a discussion rather than present a traditional research talk, and we will prioritize discussion slots. Some suggested categories of discussion can be found within the application form. There will also be poster sessions.

Last year's event was met with excellent feedback from the community, with participants praising the quality of discussion and enjoying the dedicated environment for collaboration. We expect no less from the upcoming meeting, and hope to see you there! If you have any questions about applying, please reach out to info@smtpb.org for assistance.

"Masel, Joanna - (masel)" <masel@arizona.edu>

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Edinburgh Simultaneous Hermaphrodites May7-8

Dear all,

We are delighted to announce this year's edition of the Simultaneous Hermaphroditic Organisms Workshop (SHOW) in Edinburgh on the 7th and 8th of May at the King's Buildings campus. This meeting is a forum for researchers studying hermaphroditism to share their findings and plan long-term collaborations. Its relaxed environment encourages early-career researchers to present topics relating to hermaphrodite evolution, including population genetics, gene expression, sexual conflict, mating systems, gamete evolution, and experimental evolution.

Please see our website - https://show2025.github.io/ - where you can find all the information, including directions. If you'd like to attend, please complete the registration form: https://docs.google.com/forms/d/e/-1FAIpQLSeG6P8U2DV5BBCLxzmMI76FQoB9E6IKkSTIQlTQZR4kK viewform .The deadline for registration is 21 March, and we will let people know if they are accepted in April. It is also possible to attend online. Please note that there is no registration fee. We have space for 50 in-person attendees.

We have included time for discussion in the programme. The topics have not yet been finalised, so if you have any suggestions then please do not hesitate to submit them on the registration form.

Thanks to sponsorship from the Genetics Society, we will be able to offer a Carer's Award to allow people to attend if they need costs to cover caring responsibilities. If you would like to take advantage of this, please see the registration form. In addition, we are happy to help you find cheaper accommodation if needed; please contact us if you need any advice on this.

We hope to see you soon in Edinburgh. With best wishes from your SHOW 2025 organising team, Elpida Skarlou, Roman Stetsenko, Freya Way, Matthew Hartfield, Chenxi Wang, Fanny Laugier.

– Matthew Hartfield Room 1.19 Institute of Ecology and Evolution The University of Edinburgh Ashworth Labo-

ratories Charlotte Auerbach Road Edinburgh EH9 3FL, UK

Tel: +44 (0)131 650 8632 Email: m.hartfield@ed.ac.uk Web: hartfieldlab.com 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.

Matthew Hartfield <m.hartfield@ed.ac.uk>

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ESEB Barcelona Aug17-22

I would like to invite you to *ESEB 2025*, which will take place in *Barcelona from 17 to 22 August 2025*. The registration and abstract submission have been opened and the interest is already high, with many colleagues already registering at a fast pace, actively submitting abstracts, and reaching out for information. With *51 symposia*, excellent keynote and invited speakers, and an outstanding programme, we hope to bring together most of our scientific community. After three years since the last ESEB congress in Prague, this is a long-awaited opportunity to reconnect.

In addition to the scientific sessions, we are* preparing engaging activities* to make the most of the city's culture and atmosphere. It will be a great opportunity to exchange ideas, meet colleagues and enjoy a stimulating week. The *congress venue, CCIB*, is a modern space facing the sea, providing a fantastic setting for discussions and networking. To make the most of this unique location, we are organising a welcome cocktail on a beautiful terrace overlooking the Mediterranean and a memorable closing dinner at the Museu Marítim of Barcelona, a venue full of history and character.

We also suggest considering *extending your stay to enjoy Barcelona* before or after the congress, whether on your own or with family and friends. With its stunning beaches, excellent cuisine, lively cultural scene, and easy access to other parts of Catalonia, it is an ideal place for a short holiday.

If you have not yet registered, we encourage you to do so soon* and benefit from a reduced early-bird registration fee*. We look forward to welcoming as many of you as possible to make this an exceptional event.

For full details and registration, please visit: https://-/eseb2025.com/ We look forward to seeing you in Barcelona.

Best regards, *Toni Gabaldón* Chair, ESEB 2025 Organising Committee

Toni Gabaldón <toni.gabaldon@bsc.es>

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ESEB Barcelona BehaviouralDiversity Aug17-22

ESEB Symposium on ï¿½Behavioural diversity: from ecology to genes and neural systems'

17th-22nd August, Barcelona

ABSTRACT SUBMISSION DEADLINE: 25th April 2025 https://eseb2025.com/call-for-abstracts/ Behaviour is a major axis of animal diversity that connects core themes of evolutionary biology - including ecology, development and genomics. Increasingly, new technologies and approaches are enabling traditional eco-evolutionary study systems of behaviour to be approached from a neurobiological perspective, giving new insights into where behavioural variation originates, and how behavioural innovations evolve. This symposium aims to bring together experts from different fields with distinct conceptual and technical approaches (e.g. evolutionary biology, paleoneurology, behavioural ecology, neurobiology), and at different career stages to support discussions around areas of focus, and community development, at the start of a new era for evolutionary behavioural sciences. This symposium will be facilitated by organisers of an ESEB Special Topic Network, The Integrative Biology of Brain Evolution (https://tibbe-network.github.io), which will provide a platform to take discussions forward to help grow a collaborative research community. We are convinced that this symposium will attract a broad ESEB audience and facilitate collaborations for future research to understand the evolution of behavioural diversity.

Invited Speakers Isabel Almudi Cabrero, Department of Genetics, Microbiology and Statistics, University of Barcelona Ornella Bertrand, Catalan Institute of Palaeontology Miquel Crusafont

Organizers

Dr. Stephen Montgomery, University of Bristol Dr.

Alexandra de Sousa, Auburn University Dr. Katja Heuer, Institut Pasteur Full conference information: https://eseb2025.com/

Dr Stephen Montgomery He/him

Associate Professor in Evolutionary Neurobiology and Behaviour School of Biological Sciences University of Bristol

Email: s.montgomery@bristol.ac.uk Tel: +44 117 455 2591 Twitter: @EBaBlab www.shmontgomery.co.uk For outreach and Widening Participation please contact: lsb-biologyoutreach@bristol.ac.uk

I am a friend of the BAME and LGBQT communities because I believe in equality for everyone

"s.montgomery@bristol.ac.uk" <s.montgomery@bristol.ac.uk>

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ESEB Barcelona SociallyTransferredMaterials Aug17-22

Call for Abstracts

ESEB 2025 Symposium on "Cooperation, Conflict and the Evolution of Socially Transferred Materials"

17th-22nd August, Barcelona

Many organisms have evolved to transfer materials to conspecifics which go beyond simple gametes or nutrients. These are defined as socially transferred materials and include components that have been metabolized by the donor and induce a direct physiological response in the receiver, bypassing sensory organs. Examples include components of milk, seminal fluids, skin secretions and regurgitate and may even extend to the transfer of symbiotic microbes, with the method of transfer itself ranging from active uptake by recipients (e.g. consumption of externally deposited spermatophores), passive transfer (e.g. in ejaculates or milk) or even forced transfer (as in various forms of hypodermic injection). Although these transfers benefit the donor, they can influence the fitness of the recipient in different ways, either positively or negatively. Hence, whilst many social transfers may originate in cooperation, they also provide significant scope for conflict when the evolutionary interests of donors and recipients diverge.

This broad and emerging field of integrative biology contains many parallels and research opportunities in dramatically different transfer systems that have to date been studied in isolation, within their own scientific fields (ranging from evolutionary ecology, via dairy production to medicine). An important early goal of the nascent STM community is thus to connect researchers focusing on different transfers to foster cross-fertilization, and to collectively identify unifying concepts and experimental priorities for understanding their role in evolution. In this symposium, we therefore aim to showcase the wide diversity of biological phenomena that can usefully be captured by the framework of socially transferred materials, and to identify the commonalities and key differences in their origins, properties and evolutionary fates.

The symposium is organized by the ESEB Special Topic Network on Socially Transferred Materials.

Invited speakers

Jen Perry Department of Biology, St. Francis Xavier University, Canada

Aileen Berasategui Amsterdam Institute for Life and Environment, Section Ecology & Evolution, VU Amsterdam, Netherlands

Organizers

Steve Ramm UMR 6553 ECOBIO, Université de Rennes, France

Joris Koene Amsterdam Institute for Life and Environment (A-LIFE), VU Amsterdam, Netherlands

Mariana Wolfner Department of Molecular Biology and Genetics, Cornell University, USA

SUBMISSION DEADLINE: 25th April 2025 https://eseb2025.com/call-for-abstracts/ For more information about the Special Topic Network: https://www.socialtransfer.net Dr. Steven RAMM Chaire de Recherche Rennes Métropole Chaire de Professeur Junior

UMR 6553 ECOBIO - Ecosystèmes, Biodiversité, Evolution Université de Rennes Campus de Beaulieu 263 avenue Général Leclerc 35042 Rennes Cedex FRANCE

steven.ramm@univ-rennes.fr https://ecobio.univ-rennes.fr/interlocuteurs/steven-ramm Steven Ramm <steven.ramm@univ-rennes.fr>

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GordonResConf Tuscany EcolEvolGenomics Jul13-18

The Gordon Research Conference on Ecological & Evolutionary Genomics will be happening in Tuscany, Italy, this July 13-18th 2025. This yearï¿½s meeting includes a fantastic lineup of invited speakers and you could be one of them! See website for details: https://www.grc.org/ecological-and-evolutionary-genomics-conference/2025/ . Details: The Ecological and Evolutionary Genomics GRC is a premier, international scientific conference focused on advancing the frontiers of science through the presentation of cutting-edge and unpublished research, prioritizing time for discussion after each talk and fostering informal interactions among scientists of all career stages. The conference program includes a diverse range of speakers and discussion leaders from institutions and organizations worldwide, concentrating on the latest developments in the field. The conference is five days long and held in a remote location to increase the sense of camaraderie and create scientific communities, with lasting collaborations and friendships. In addition to premier talks, the conference has designated time for poster sessions from individuals of all career stages, and afternoon free time and communal meals allow for informal networking opportunities with leaders in the field.

As genomic information becomes increasingly accessible across model and non-model organisms, evolutionary and ecological genomics have become essential frameworks to understand how mutation processes, selection and drift shape biodiversity and phenotypes. The 2025 Gordon Research Conference on Ecological and Evolutionary Genomics will highlight recent advances in our understanding of interactions between genomes and their environment, covering a variety of scales over space and time from population studies to comparative genomics, deep evolution, and theoretical models. This conference aims to shed light on how genomic diversity and structure are influenced by ecological interactions and evolutionary processes. Through a series of keynote presentations, panel discussions, and interactive workshops, participants will delve into cutting-edge research on genomic evolution, the role of natural selection in shaping genetic landscapes, and how environmental pressures drive genetic innovation.

Attendees will have the unique opportunity to engage with pioneering studies on gene flow, adaptation, and the genetic mechanisms underpinning species resilience and biodiversity. The conference seeks to foster cross-disciplinary collaborations, pushing the boundaries of our understanding of genomes in the natural world.

The conference will include talks that focus on prokaryotic and eukaryotic systems, with comparisons between them providing insights about how evolution is constrained or shaped by each. Co-chairs, Sam Yeaman (University of Calgary) and Irene Newton (Indiana University) invite you to Renaissance Tuscany Il Ciocco, where we are assembling a diverse group of established and early career investigators to discuss their latest work across a wide variety of organisms. A subset of the submitted abstracts will be selected for short talk presentations and a limited number of travel grants will be available. Whether you're a geneticist, ecologist, evolutionary biologist, or a student aspiring to contribute to this vibrant field, the 2025 GRC on Ecological and Evolutionary Genomics promises to be an enlightening experience that will inspire new perspectives and approaches in the study of lifeï¿½s genetic foundations. Join us to participate in creative discussions in an inclusive social and scientific atmosphere, to empower the future research in the field.

Samuel Yeaman <samuel.yeaman@ucalgary.ca>

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Madrid MolecularEvolution Aug25-28

The *Journal of Molecular Evolution* < https://-link.springer.com/journal/239 > has established a series of periodic meetings rotating around the continents. The first meeting was in Washington, DC in March, 2023. We now are proud to organize the second meeting in Madrid, Spain, August 25-28, 2025, with support from Springer Nature and the National Museum of Natural Sciences-CSIC (Spain). Timed to coordinate in the days after the European Society of Evolution Biology meeting *ESEB 2025* < https://eseb2025.com/ > in Barcelona, August 17-22, 2025, this meeting with free registration will feature invited talks from editorial board members, selected talks from submitted abstracts, and a poster session.

https://www.mncn.csic.es/es/investigacion/JME2025

Cara Weisman <cara.weisman@gmail.com>

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Mertola Speciation Apr5-6

Dear Colleagues,

It is a pleasure to announce the first edition of Mertola Evolution Conferencs (MECs), which will occur in the Spring at the beautiful historical town of Mertola, Southern Portugal.

The MECs are annual meetings on Evolutionary Biology (each year a specific topic) for researchers and students to present cutting-edge studies on the field, as well as a forum for informal discussion, fostering new ideas and collaborations among researchers all over the world. Mertola Conferences are promoted by EBM - Biological Station of Mertola, in collaboration with other national and international institutions.

Mertola is located in the Southeast Alentejo region of Portugal, near the Spanish border, crossed by the Guadiana river and in the center of the Natural Park of Guadiana Valley. The antiquity of Mertola is attested by the many archaeological remains that prove the continuous human occupation of this territory. Despite being and biodiversity hotspot of Mediterranean ecosystems, the first traces of human presence dating back to the Neolithic period, five thousand years ago, with different civilizations, like Iberians, Phoenicians, Greeks and Carthaginians. More information at https://www.visitmertola.pt/mertola-vila-museu/ The MEC 2025 edition, entitled "Speciation: from field studies to genomics", is focused on speciation research, where we will revisit the origins and come back to look into new genomic data under Charles Darwin eyes.

It counts with prominent speakers in the field: Peter and Rosemary Grant (Princeton University, USA), Leif Andersson (Uppsala University, Sweden), Joana Meier (University of Cambridge, UK), Roger Butlin (University of Sheffield), Rui Faria (University of Porto), and Rikard Holmdahl (Karolinska Institute, Sweden).

Important information Venue and date: Cineteatro de Mertola, April 5th and 6th, 2025 Abstract submission deadline: 10 of March 2025 Registration deadline: 20 of March 2025

Registration and abstract submission: Among the submitted abstracts, only 8 will be selected for a short oral presentation. For registration and abstract submission, please fill this form: https://forms.gle/fqk8EdBT1f13XM2M9 Fees: 50? (students) | 100? (other participants). Participation is free of charge for BIODIV Students (M BGE & PhD) & CIBIO's TwinLabs (If applicable, payment will be made to Associa??o BIOPOLIS - VAT No. 516033727).

We look forward to welcoming you at Mertola! Please, spread the word among your colleagues.

The organizing committee, Leif Andersson Miguel Carneiro Rui Faria Paulo C?lio Alves

Rui Faria, PhD

1. Researcher and SEAGEN Group Leader CIBIO, Centro de Investiga??o em Biodiversidade e Recursos Gen?ticos, InBIO Laborat?rio Associado BIOPOLIS Program in Genomics, Biodiversity and Land Planning Campus de Vair?o Rua Padre Armando Quintas, n? 7 4485-661, Vair?o, Portugal

2. Invited Assistant Professor, Department of Biology Faculty of Sciences at the University of Porto, Rua Campo Alegre s/n 4169-007, Porto, Portugal

Webpages: Littorina Research Community < https://littorina.at.biopolis.pt/ > https://rmigueldefaria.wixsite.com/farialab-1 ruifaria@cibio.up.pt

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Nashville EvolAndMedSociety Jul8-10 AbstDeadineFeb3

February 3 abstract deadline

Please forward this message to all possibly interested people and groups.

The Tenth Annual Meeting of the International Society for Evolution, Medicine, and Public Health will be July 8-10 at Vanderbilt University in Nashville, Tennessee, USA.

Full information is at https://isemph.org/ISEMPH-2025/ Students, researchers, clinicians, and teachers are all invited to present their research, hear the latest advances from renowned scientists, renew old friendships and make new ones at workshops, discussions and social events. You can also enjoy all that Nashville and

Tennessee have to offer. Music!

The ISEMPH 2025 website offers full information about dates and deadlines, Registration, Abstract submission for talks and posters, abstract submission for symposia,the Program, Accommodation, Travel, and more.

Register early to get substantial discounts; fees are refundable until two weeks before the meeting if your plans change. Fees are lower for members so you may want to join the society or renew your registration before registering for the meeting.

The Vanderbilt Evolutionary Studies Initiative is also hosting a two-day symposium to mark the 100th anniversary of the Scopes "Monkey" Trial on the weekend following the conference. More than twenty speakers will talk about evolution, education, religion, and the law - the event will also include lunches and book signings by several authors. Learn more here. You can register for both events with your ISEMPH 2025 registration.

Send questions about travel and logistics to hostingcommittee@evmed.org, questions about abstracts to programcommittee@evmed.org, and all other questions to manager@evmed.org.

Randolph Nesse <nesse@umich.edu>

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Tennessee have to offer. Music!

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nesse@umich.edu

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Nashville EvolutionMedSociety Jul8-10 AbstractDeadineFeb28

Please forward this message to all possibly interested people and groups.

The Tenth Annual Meeting of the International Society for Evolution, Medicine, and Public Health will be July 8-10 at Vanderbilt University in Nashville, Tennessee, USA.

Chaos in Washington has made it impossible for many scientists to plan travel so abstracts for talks will now be accepted until Feb. 28. Posters can be submitted until May 1, but earlier is better.

Full information is at https://isemph.org/ISEMPH-2025/ Students, researchers, clinicians, and teachers are all invited to present their research, hear the latest advances from renowned scientists, renew old friendships and make new ones at workshops, discussions and social events. You can also enjoy all that Nashville and

Online AmerSocNat MayJun DeadlineExtended

The American Society of Naturalists will be participating in a joint meeting with the Society of the Study of Evolution and the Society of Systematic Biologists in May and June 2025! This includes hosting a special symposium during a virtual conference of the three societies on May 29-30.

Have an idea for this special symposium? We want to hear it!

The ASN Symposium Committee invites you to submit proposals for a special symposium. Proposed symposium topics should support the Society's goal to advance the conceptual unification of the biological sciences and to further knowledge in evolution, ecology, behavior, and organismal biology. Topics could center around important emerging issues in evolution, ecology, or behavior or focus on a pivotal historical paper, tracing its impact and exploring current cutting-edge research

inspired by this work.

Proposals should include (1) a title; (2) a description of the symposium topic (up to one page); (3) a list of six speakers, including institutional affiliations, who have agreed to participate in the symposium; (4) a justification for the symposium, explaining why the topic and speakers are appropriate for an ASN symposium (up to one page).

Please submit proposals by email (cas383@miami.edu) no later than midnight Eastern Time on February 21, 2025. Send your proposal as a single pdf attachment, under subject heading "ASN 2025 Virtual Symposium Proposal".

In line with the ASN's commitment to diversity, we encourage including speakers from groups who have been historically excluded from STEM. Therefore, proposals that include a diverse list of speakers from a range of backgrounds, institutions, career stages, geography, gender, race, etc. are especially encouraged. Further, we especially encourage early career researchers to propose sessions as organizing symposia can advance their careers through building broader scientific networks and a record of scientific leadership.

Additionally, the Society's selection committee will evaluate proposals based on their potential to attract a substantial audience and stimulate discussion, the significance and timeliness of the topic, and on the topic differing substantively from recent symposia hosted by the Society. Applicants will be notified of the decision within one week of the proposal deadline.

Christopher Searcy ASN Symposium Committee Chair Department of Biology University of Miami cas383@miami.edu

"Searcy, Christopher A" <cas383@miami.edu>

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Online ESEB InternalConflictsSTN Feb12

Dear colleagues,

We would like to invite you to the next online seminar for the "Internal Conflicts and Organismal Adaptation" Special Topic Network (STN) funded by the European Society for Evolutionary Biology, which will take place on February 12th, 14:00 UTC. Our speakers for this seminar are:

Karl Grieshop (Universty of East Anglia): Dominance reversals and the maintenance of genetic variation

Reka Kelemen (ISTA): Multi-modal action of a mouse meiotic driver, revealed by single nucleus sequencing

Meeting details: Link: https://georgetown.zoom.us/j/-96745996061 Date: February 12th, 2025 Time: 14:00 UTC

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

Sincerely, The Internal Conflicts and Organismal Adaptation STN Manus Patten, Martijn Schenkel, Arvid Ãgren, Nina Wedell, and Thomas Hitchcock

mmp64@georgetown.edu

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Online ESEB STN DispersalAndMatingSystems

We are pleased to announce the start of an online seminar series for the ESEB Special Topic Network on the joint evolution of mating systems and dispersal (https://-/dispersal-mating-stn.weebly.com)!

Our first meeting will take place on Thursday 27th February at 15:00 CET, and will last approximately 1.5 hours. This includes two seminar talks and some time for questions and discussions. Our first two speakers are:

Dr. Greta Bocedi, Royal Society University Research Fellow, University of Aberdeen

Dr. Franï¿½ois Massol, Research Director, IEES CNRS Paris

Their seminars will provide some background on the ecological and evolutionary dynamics linking dispersal and mating systems, in addition to discussing the potential for future work in line with the goals of thenetwork.

To join the seminar live on Thursday 27th February at 15:00 CET:

Link: https://unibe-ch.zoom.us/j/61015199425?pwd=-cHSN29ycn0bFCYGLupDYxUKvmDgZb0.1 Meeting ID: 610 1519 9425

Passcode: 903495

The seminars will be recorded and subsequently posted on our YouTube channel (https://www.youtube.com/-@DipersalMating_ESEB_STN) for those who cannot make it live.

We hope to see you there!

Ella, Louise, Xiaoyan and Dhanya

ECR Organising Team

"dhanya.bharath@unibe.ch"
<dhanya.bharath@unibe.ch>

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Seoul RECOMB CG Apr24-25

The 22nd RECOMB-CG conference is co-located with RECOMB 2025 in Seoul, South Korea.

The RECOMB satellite conference on Comparative Genomics, founded in 2003, brings together leading researchers in the mathematical, computational, and life sciences to discuss cutting-edge research in comparative genomics, with an emphasis on computational approaches and novel experimental results. The program includes invited speakers, contributed talks, and poster sessions.

Contributions on any theoretical and/or empirical approach to genome-wide comparison are welcome. Topics of interest include, but are not limited to:

- Genome evolution - Genome rearrangements - Genomic variation, diversity, and dynamics - Gene identification and annotation - Methods for genome assembly - Cancer evolutionary genomics - Comparative epigenomics - Population genomics - Pangenomics - Phylogenomics and phylodynamics - Paleogenomics - Epidemiology and related areas - Metagenomics - Machine learning in genomics

We encourage submissions that offer new biological findings or otherwise highlight their relevance to biology.

Authors of accepted papers have the following options:

Have the full manuscript (maximum 15 pages, excluding references, with an optional clearly marked appendix of supplementary material) published in the proceedings. OR Have a 4-page version published in the proceedings, provided that the full version is available on arXiv or bioRxiv.

Accepted contributions will be presented at the RECOMB-CG 2025 meeting. Selected contributions will be invited to participate in a special issue of the Journal of Computational Biology (with publication fees).

Key Dates

All deadlines are "anywhere on earth."

Event

Date

Paper submission deadline

February 7, 2025 (Friday)

February 14, 2025 (Friday)

Author notification for papers

February 24, 2025 (Monday)

March 3, 2025 (Monday)

Final camera-ready version due

March 3, 2025 (Monday)

March 10, 2025 (Monday)

Poster submission deadline

April 4, 2025 (Friday)

Registration open

TBA

Conference starts

April 24, 2025 (Thursday)

Conference ends

April 25, 2025 (Friday)

David Sankoff <david.sankoff@uottawa.ca>

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SMBE IDEA ProposalCall

Dear all:

If you have worked in DEI projects, please consider submitting an abstract for the IDEA Symposium at the SMBE 2025 until February 15th.

Good to know: Exceptional for the IDEA Symposium,

you can still apply to the IDEA symposium, even if you submit an abstract to another symposium. We welcome and encourage your participation. Don't miss this chance to contribute to the discussion and connect with fellow researchers. If you have any questions, feel free to reach out here: smbe.idea@gmail.com Submission link: https://smbe2025.scimeeting.cn/en/web/index/-25070_2367426 We look forward to your submission!

Best regards, SMBE IDEA taskforce

"Bilgin Sonay Tugï¿½e (bilg)" <bilg@zhaw.ch>

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

Spain MathCompBiology May12-16 DeadlineFeb21

DEADLINE FOR ABSTRACT SUBMISSION AND REGISTRATION: FEBRUARY 21

Mathematical and Computational Evolutionary Biology (MCEB) Granada (Spain), May 12-16th, 2025

https://mceb2025.sciencesconf.org/ MCEB will take place in Granada, Spain for its 2025 edition. The meeting will put the emphasis on methods and models for phylogenomics and population genomics.

Beyond this year's themes, general concepts, models, methods and algorithms will be presented and discussed, just as in the previous editions of MCEB. As usual, the meeting will bring together researchers originating from various disciplines: mathematics, statistics, computer science, phylogenetics, population genetics, molecular epidemiology, biodiversity and macroevolution... Keynote speakers will introduce a field of research and discuss their own work in this field. Afternoon will be for short presentations and posters, with plenty of time for discussions. We will stop early every day, thus leaving time for other activities.

KEYNOTES:

** Sophie Abby - Evolution of biosynthetic pathways in Bacteria

** Richard Durbin - Population genome variation - going beyond SNPs

** Jaime Huerta-Cepas - Evolutionary significance of unknown microbial genes

** Lisa Pokorny Montero - Genomic approaches to the study of plant evolution

** Harald Ringbauer - Advanced ancient DNA analysis

** Kristina Wicke - Inference of phylogenetic networks

PRACTICAL INFORMATION

** Place: "Carmen de la Victoria" and "Corrala de Santiago", Granada, Spain.

** Dates: May 12-16th, 2025. The conference will begin Monday evening and will end at about 3pm on Friday.

** Fees: Between 650 euro to 850 euro . Fees will vary depending on the type of room, shared (for students) or individual. They include accommodation for four nights with breakfast, lunches, coffee breaks, two dinners and drinks around posters from Monday night until Friday lunchtime included.

** Deadline for abstract submission and pre-registration (mandatory): February 21, 2025.

** Notification of acceptance: March 15, 2025.

Olivier GASCUEL <olivier.gascuel@mnhn.fr>

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Tubingen Germany EvolNoise Jun3-5 DeadlineFeb28

An SMBE satellite meeting entitled "The Origin, Maintenance and Evolution of Biological Noise" will take place in Tï¿½bingen, Germany, June 3 - 5, 2025.

THE DEADLINE FOR APPLICATION IS THIS FRIDAY, 28 FEBRUARY 2025.

Details can be found here: https://pallareslab.github.io/bionoise2025/index.html Noise is a fundamental, yet long understudied, aspect of biology. The goal of this symposium is to bring together researchers working on noise from different fields (e.g., theoreticians, molecular biologists, population geneticists, system biologists, philosophers) in order to establish the common principles guiding the origin, maintenance, and evolution of biological noise at distinct organization levels, from molecules, to transcriptional networks, to higher-order phenotypes, to populations.

After a plenary talk by the philosopher of science Francesca Merlin, we plan four sessions, each with an invited keynote talk, contributed talks, posters and discussion. There will be no concurrent events at this

meeting.

1. Non-genetic inheritance of phenotypic noise (keynote: Maria Carmo-Fonseca) 2. The genetic basis of phenotypic noise (keynote: TBD) 3. The organismal implications of phenotypic noise (keynote: Patricia Wittkopp) 4. The population genetics of phenotypic noise (keynote: Daniel Weinreich)

Abstracts are due February 28, 2025, and acceptance decisions will be made March 15, 2025. Please note that the meeting is capped at 40, meaning that it may not be possible to accept all applications. Acceptance decisions will seek to maximize intellectual diversity as well as the diversity of participants. Special attention will be paid to individuals from historically underrepresented groups, as well as to early career investigators. Stipends may be available in cases of need.

Details can be found here: https://-pallareslab.github.io/bionoise2025/index.html Please feel free to forward this message to interested individuals in your research group and wider community.

Ignacio Bravo (CNRS, Montpellier) Julien Dutheil (MPI, Plï¿½n) Luisa Pallares (MPI, Tï¿½bingen) Daniel Weinreich (Brown University)

"Weinreich, Daniel" <daniel_weinreich@brown.edu>

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UCalifornia santaBarbara TeachingEvolBiol Jun23-25

Attention evolutionary biologists who teach undergraduates:

If you are interested in improving the teaching of data literacy skills in undergraduate biology courses, please see the opportunity below. The Biological and Environmental Data Education Network is looking for biology faculty and instructors to apply to join our fourth annual network meeting. This opportunity may be particularly interesting to folks who teach introductory biology and both lower and upper level evolutionary biology courses and are looking to bring more data science skills into these classes.

We invite you to apply to join us at our fourth annual meeting of the Biological and Environmental Data Education (BEDE) Network, held from June 23-25th at the University of California Santa Barbara in Santa Barbara, CA. We can provide travel support for some attendees, and we will also facilitate virtual attendance.

We are a group of scientists and educators who are dedicated to the advancement of data science education in undergraduate biology and environmental science curricula. Our mission < https://qubeshub.org/-community/groups/bede/about > is to provide training and resources for educators to empower them to teach data science skills in their classrooms. We want you to be part of our team!

The theme of this year's meeting is Building Bridges to Advance Data Science Education. Guided by this theme, we will introduce the BEDE Network and build community; assess Data Science education needs across the life science instructional landscape; discuss the assessment of BEDE Network initiatives and efforts to fulfill our mission; collaborate on communication, instruction tools, and strategies; and plan for the sustainable future of the BEDE Network.

The final day of the meeting will provide an opportunity to choose your own path, either: (A) participate in an unconference where you can continue to work with a BEDE Network subcommittee, or (B) join an instructor training workshop on incorporating data science skills into undergraduate biology classrooms as a helper or as a learner.

The application process will likely be competitive, based on the number of applications received. We anticipate approximately 20-25 in-person attendees. All biology and environmental science faculty, university- and college-level instructors, and post-doctoral researchers are welcome to apply. We have a limited number of spots available for graduate students with a passion for teaching. Funding is available from the National Science Foundation to support in-person participants and there is a virtual participation option for those unable to attend in person. We can provide full financial support, including transportation, three nights accommodation, and meals to successful applicants for in-person attendance.

The deadline to apply is February 28, 2025 and successful applicants will be informed by March 7, 2025 . PLEASE APPLY HERE < https://docs.google.com/forms/d/e/-1FAIpQLSclcgkPlPhJU7GDruVG5qPrU8k_I1Gp8a8VCf2qz2HzMrx3P0viewform?usp=dialog >

In the meantime, join our group on QUBESHub < https://qubeshub.org/community/groups/bede >

Questions can be directed to nemery@ucsb.edu

We look forward to welcoming you to the meeting!

Nate Emery (Associate Director of STEM Education,

UC Santa Barbara)

Kelly O'Donnell (Director of Science Forward, Macaulay Honors College)

Sarah Supp (Associate Professor, Denison University)

Matthew Aiello-Lammens (Associate Professor, Pace University)

Kelly L. O'Donnell, PhD (she/her) Director of Science Forward

Macaulay Honors College The City University of New York 35 W. 67th Street New York, NY 10023 (212) 729-2924 http://cuny.is/scienceforward The 2025 City Nature Challenge is April 25 - April 28! Join us! < https://www.inaturalist.org/projects/city-nature-challenge-2025-new-york-city >

kelly.odonnell@mhc.cuny.edu

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UNotreDame Indiana EvolInfectiousDiseases Jun16-19

Ecology and Evolution of Infectious Diseases Conference 2025

The call for abstracts is now open for the EEID 2025 conference at https://sites.nd.edu/eeid2025 with a submission deadline of March 17.

The conference will take place on June 16-19 at the University of Notre Dame in South Bend, Indiana.

Information about registration, pre-conference workshop offerings, and other details will be forthcoming.

We hope to see you there!

Alex Perkins taperkins@nd.edu and Jason Rohr jrohr2@nd.edu

Alex Perkins <taperkins@nd.edu>

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Ventura California Speciation CallForRegistration

The deadline to apply to attend the Speciation Gordon Research Conference (Ventura California March 2-7, 2025) is the end of this week (February 2). This is the premier speciation-focused conference, which happens approximately every two years. There are still spots available for new attendees. Some submitted poster abstracts will be selected to give talks as well.

Please consider attending, or bring this to the attention of colleagues studying speciation or adjacent topics. The meeting welcomes graduate students, postdocs, researchers, and faculty. You can register here: https://www.grc.org/speciation-conference/2025/ Registration for, and information about, the student- and postdoc-only Speciation Gordon Research Seminar (March 1-2 2025) can be found here: https://www.grc.org/speciation-grs-conference/2025/ February 1 is the deadline to apply for the GRS.

We hope to see many of you there!

Dr. Daniel I. Bolnick Professor, Ecology and Evolutionary Biology & Institute for Systems Genomics President, The American Society of Naturalists daniel.bolnick@uconn.edu

MAIL TO: Department of Ecology and Evolutionary Biology Affiliate Professor, Molecular & Cellular Biology; Institute for Systems Genomics 75 N. Eagleville Road, Unit 3043 University of Connecticut Storrs, CT 06269-3043, USA

Office Phone: 860-486-3156 Lab Phone: 860-486-3937 Cell Phone: 512-809-6217

Office:PBB 305C Lab: PBB 317&319; ATW 232, 234, 236

"Bolnick, Daniel" <daniel.bolnick@uconn.edu>

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Vienna PopGenSeminar SummerSchedule

Dear colleagues,

The Vienna Graduate School of Population Genetics runs an internationally recognized seminar series featuring weekly talks by leading experts in population genetics. We invite interested viewers to stream the seminars during the upcoming summer term (Tuesdays at 17:00 CET/CEST).

Sign up here to receive weekly streaming links (Webex): https://forms.gle/eaWbQEWvEN9A1z4CA Schedule and updates are listed on our website: https://-www.popgen-vienna.at/news/seminars/ Many talks are recorded and can be found on YouTube: https://-www.youtube.com/@popgenvienna8051 Summer term schedule:

04.03.25 - Lutz Becks (Univ. of Konstanz, DE) The evolutionary dynamics of novel endosymbiosis.

11.03.25 - Ilkka Kronholm (Univ. of Jyväskylä, FI) How chromatin structure influences genetic and epigenetic variation.

18.03.25 - Katja Hoedjes (Vrije Univ. Amsterdam, NL) Understanding functional impact of genetic variation on complex traits at a single nucleotide resolution.

25.03.25 - Sophie Armitage (Freie Univ. of Berlin, DE) Evolutionary ecology of host-pathogen interactions.

01.04.25 - Matthew Rockman (New York Univ., US) Developmental evolution is a population-genetics problem.

08.04.25 - Wen-Juan Ma (Vrije Univ. Brussels, BE) The evolution of sex chromosomes and sex determination in frogs.

15.04.25 - AlmorÃ² Scarpa (Vetmeduni, AT) Two centuries of transposable element invasions in Drosophila melanogaster

22.04.25 - Julia Kreiner (Univ. of Chicago, US) The mode and tempo of genomic adaptation to contemporary agriculture.

29.04.25 - Martin Kaltenpoth (Max Planck Inst. for Chemical Ecology, DE) Microbial symbionts as sources of evolutionary innovations in beetles.

06.05.25 - Luisa Pallares (Friedrich Miescher Laboratory, DE) Phenotypic robustness across the genotype-phenotype map, from genes to environment and back.

13.05.25 - Diana Rennison (Univ. of Calif., San Diego, US) Understanding the predictability of evolutionary trajectories using threespine stickleback.

20.05.25 - Filipa Sousa (Univ. of Vienna, AT) Bioenergetics Evolution: The link between Earth's and Life's history.

27.05.25 - Yun Song (Univ. of California, Berkeley, US) Learning and applying complex probability distributions over biological sequences.

03.06.25 - April Wei (Cornell Univ., US) Enabling efficient analysis of biobank-scale data with genotype representation graphs.

10.06.25 - Lauren McIntyre (Univ. of Florida, US) SFB Polygenic Adaptation < https://www.vetmeduni.ac.at/-sfb-polygenic-adaptation > Distinguished Speaker Disentangling cis and trans effects: a novel crossing design.

17.06.25 - Stephan Schiffels (Max Planck Inst. of Evolutionary Anthropology, DE) Spatial inference of population structure and prehistoric human mobility from ancient and modern genomes.

24.06.25 - Margarida Matos (Univ. of Lisboa, PT) >From nature to the lab: The role of history, chance and selection during adaptation to novel environments.

Sincerely,

Carina Baskett

Coordinator, Joint Research Program (SFB)–Polygenic Adaptation

Coordinator, Vienna Graduate School of Population Genetics

she/her/hers

carina.baskett@vetmeduni.ac.at

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

YosemiteNatlPark Symbiosis Apr18-20

Dear Colleagues,

The THIRTEENTH annual Yosemite Symbiosis Workshop will take place on April 18-20th, 2025 at the Sierra Nevada Research Institute, Yosemite National Park. In the previous 12 years, this meeting became a great venue for a diversity of symbiosis researchers.

We hope to continue to attract a diverse group in 2025!

KEYNOTE SPEAKER: Britt Koskella, UC Berkeley

https://naturesmicrocosm.com/ REGISTER HERE:

https://snri.ucmerced.edu/form/symbiosis-workshop-2025 LEARN EVEN MORE HERE:https://-www.sachslab.com/symbiosis-2015.php Why:

Our goal is to better integrate scientists that focus on symbiosis research, including researchers that study animal-microbe and plant-microbe systems, as well as broader topics related to the microbiome, cooperation, and mutualism. This will be our 13th annual meeting and we have been consistently attracting scientists from all over the country and overseas.

Who:

The meeting is small and intimate by design (~50 participants). We would like to make room for a diverse group of people so we will initially accept up to 3 lab members per group (including the PI) on a first come first served basis. In the past we have covered a range of symbiosis topics from ecology and evolution to molecular mechanisms in different model and non-model systems.

What:

The meeting will be made up of two half-days of talks and one poster session. Other than the keynote (~1 hour), talks are 15 minutes long (including time for questions). Posters are flexible for size, but the ideal poster should be no larger than ~4 feet square. When you apply for the meeting, you will provide your preference for a talk or poster.

When:

Participants generally arrive Friday afternoon or evening (April 18) and depart Sunday early afternoon (April 20). Though some attendees often extend their stay at the station to spend more time at the National Park.

Where:

This is the best part! The meeting takes place at the Sierra Nevada Research Station, in Wawona California, within the borders of Yosemite National Park!

What will it cost?

$250 for graduate students, undergraduate students, and postdocs, $300 for PIs and other types of participants (e.g. industry/foundation/journalist). We may have funding for graduate students and postdocs, so graduate students and postdocs don't need to pay for now to register. PIs must pay a registration fee of $300. The registration deadline is March 14, 2025.

Even without the awards, we have been good at keeping costs low (<$300 total for PIs, includes all fees: registration, room and board).

Please direct any questions to the organizers:

Joel Sachs joels@ucr.edu

A. Carolin Frank cfrank3@ucmerced.edu

Joel L. Sachs *Professor & Chair, * Evolution Ecology & Organismal Biology University of California, Riverside Chair's Office 2745 Life Sciences Building Office (951) 827-6357 / Fax (951) 827-4286 / http:/-/www.sachslab.com Zoom: http://ucr.zoom.us/my/-Sachsevolution *Post address*: Sachs Lab - UC Riverside 3401 Watkins Dr., 1229 Spieth Hall, Riverside, CA 92521

joels@ucr.edu

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GradStudentPositions

BangorU AmphibianDiseaseEcoEvo

Competition-funded PhD position available at Bangor University (UK).

Shifting climate, shifting threats: understanding the impact of climate change on chytrid disease dynamics in a global salamander biodiversity hotspot

About the Project Amphibians are among the most threatened vertebrate groups globally, facing a dual crisis of climate change and emerging infectious diseases. Salamanders, especially those in the biodiversity-rich Appalachian Mountains (USA), are at high risk due to climate-linked habitat loss and chytrid fungal pathogens (Batrachochytrium dendrobatidis [Bd] and B. salamandrivorans [Bsal]). Bd is already widespread in Appalachia and has caused significant declines. Salamanders are more susceptible to Bsal but it has not yet been introduced to North America, and its arrival would likely result in catastrophic losses. These threats are closely linked, as temperature influences chytrid pathogen dynamics and host immune responses.

This PhD project, based at Bangor University in collaboration with the Smithsonian National Zoo and Conservation Biology Institute (USA), the Centre for Ecology and Hydrology (UK) and the University of Aberdeen (UK), will address these challenges by combining cutting-edge approaches in molecular biology, disease ecology and spatial modelling. The successful candidate will explore how climate-driven changes in temperature and habitat influence chytrid disease dynamics, salamander immune function, and microbiome composition. The project will also identify practical, low-cost strategies such as habitat manipulation to reduce disease risks.

With opportunities to conduct extensive fieldwork in the Appalachian Mountains, this project offers invaluable experience in one of the world's key amphibian biodiversity hotspots. You will gain skills in advanced spatial modelling, laboratory techniques, bioinformatics and conservation-focused field research, working alongside leading experts as part of an international collaboration.

Additional Information

The project can be undertaken on either a full time or part time (minimum of 0.5FTE) basis.

A Disabled Students' Allowance (DSA) can be applied for. This is support, to cover the study-related costs incurred due to a disability such as a mental health problem, long term illness or other disability. The type of support and amount provided, depends on individual needs, not household income.

Where applicable, funding to cover leave of absence due to ill health is available as is funding to cover maternity/paternity/caring leave.

Eligibility

Applicants are only permitted to apply for one Envision project.

Envision DTP complies with UKRI and NERC guidelines, however this studentship is only open to a home student. To be classed as a home student, candidates must meet the following criteria:

Be a UK National (meeting residency requirements), or Have settled status, or Have pre-settled status (meeting residency requirement) or, Have indefinite leave to remain or enter

If you do not meet the above criteria, you will be classed as an international student. International stu-

dents are not eligible to apply for this Envision funded studentship.

Entry requirements

Candidates shall be good honours graduates in Biology or a related area, of a recognised University or comparable University, or persons holding equivalent qualifications who show evidence of exceptional ability, or who have demonstrated their ability in graduate studies. They shall have good numeracy skills and be eager develop a diverse skillset. The ideal candidate will be passionate and enthusiastic about disease ecology and tackling global biodiversity challenges and excited about contributing to applied conservation science.

We welcome applications from all suitably qualified candidates. Our graduates come from a diverse range of backgrounds and ethnicities and Envision strives to ensure that no applicant/student shall experience prejudice at admissions or during their studies, related to their sexuality, disability or any other protected characteristic.

Please note that any applicant who completed an Envision Research Experience Placement (REP) within the past year will be guaranteed an interview for the Envision project that they apply to.

How to apply

Full project advert here: http://findaphd.com/-?pj=182328 You can apply here: https://-www.envision-dtp.org/2025/shifting-climate-shifting-threats-understanding-the-impact-of-climate-change-on-chytrid-disease-dynamics-in-a-global-salamander-biodiversity-hotspot/ This final Envision project will commence in October 2025. The deadline for applications is 17:00 on Wednesday 12th March 2025.

Prospective applicants are encouraged to contact the lead supervisor

— / —

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

BOKU Vienna EvolutionInsectImmuneResponses

Two 3-year PhD positions at BOKU University Vienna: Evolution of insect immune responses

Two 3-year PhD positions are available at BOKU University Vienna to study the evolution of insect immune systems. By applying comparative experimental and molecular approaches, the immune responses of three ecologically and economically relevant species will be studied, i.e. the European spruce bark beetle, the spongy moth and the Colorado potato beetle. The three study systems willl be exposed to various pathogens, i.e. bacteria, fungi and nematodes, and the molecular defense responses, i.e. gene expression patterns, will be compared. Subsequently, RNA interference (RNAi) will be used to functionally characterize immune genes, which can be the basis to develop sustainable methods in insect pest control, without harming non-target organisms. RNAi can be induced using double-stranded RNA (dsRNA) to block insect immune genes, thereby enhancing the effect of pathogens. This comparative approach will allow us to characterize different evolutionary trajectories in insect immune responses to various natural enemies.

The project will be in close collaboration with Michal Zurovec from the Biology Centre of the Czech Academy of Sciences and the University of South Boehmia in Ceske Budejovice.

The ideal candidate will have a strong interest in entomology and evolutionary biology. Experience in the application of molecular methods and in generating and analyzing next-generation sequencing data are helpful. General requirements for the position are a MSc degree in Biology, Biotechnology, Agriculture, Forestry, Evolutionary Biology or in a related field. The candidate should have excellent communication skills and should be fluent in English. The working language in the laboratory is English. German skills, although helpful, are not essential. PhD candidates have to enroll at BOKU www.boku.ac.at/en/ . The position is based at BOKU University, Vienna. Salary is according to the standard PhD personnel costs in Austria. To apply, please send an application letter detailing research background and research interests and your CV to martin.schebeck@boku.ac.at.

The position is available immediately. Review of applications will begin immediately and continue until the position is filled.

For informal inquiries, please contact Martin Schebeck.

Martin Schebeck <martin.schebeck@boku.ac.at>

Graduate position: BOKU_Vienna.EvolutionOfInsectImmuneResponses

CharlesU Prague EvolutionGenomicsDeepseaFishVision

ERC_funded PhD position in the Fish Evolution research group at Department of Zoology, Charles University in Prague, Czech Republic

Topic: Genomics of the visual sensory system in deep-sea fishes

Application deadline: 15th March 2025 (the candidate will be selected in March/April) Start date: 1st October 2025 Duration: 4 years Location: Department of Zoology, Charles University, Prague, Czech Republic, EU Research group: http://www.fishevo.com/ We are searching for a motivated candidate with interest in molecular and evolutionary genomic approaches to reveal the secrets of how fish see in the deep sea. The project focuses on evolution of the visual sensory system in fishes and counts with application of transcriptomics (including the single-cell transcriptomics) of the retina. The successful candidate will join the Fish Evolution research group of Zuzana Musilova at Charles University in Prague and will study eyes of species with extreme adaptations, some of them with unknown mechanisms.

We offer: - an international research group with the ERC funding located in an inspiring historical city - a competitive salary sufficient to live in Prague - possibility to participate at international conferences, collaborations and in the field - wide selection of courses at the Faculty of Science

We seek: - a candidate with motivation and enthusiasm for biology, nature and science, and with ability and willingness to learn new approaches - fluency in English - a M.Sc. degree in biology or related fields (or to be finished by September 2025) - experience with molecular genetics, other laboratory techniques, as well as with some (basic) bioinformatics will be considered as beneficial

The project: Deep-sea fish have evolved extreme adaptations to their environment. Such as in their eyes with cone and rod cells responsible for photoreception. In several deep-sea fish lineages, a novel visual system with unknown mechanism has been discovered (https://www.science.org/doi/full/10.1126/-science.aav4632). Some species use multiple rhodopsins or have uncertain identity of the cones and rods, something very unusual for vertebrates. The main goal of this project funded by the ERC Consolidator grant is to study these adaptations mainly from a single-cell level perspective. We have already working pipelines in our group and, hence, we offer state-of-the-art genomic tools and professional training for the prospective PhD candidate. While the focus of our research is mainly on molecular evolution, we generally aim to interpret cool stories out of our findings mainly in the context of the evolution, fishes and their life. The candidate is expected to present his/her project at international conferences and will be authoring research publications. All nations applicable.

All questions and applications (CV + half-page motivation letter + contact details for two persons who can be asked for a reference) should be sent directly to Zuzana Musilova (zuzmus[AT]gmail.com or zuzana.musilova[AT] natur.cuni.cz)

THANK YOU FOR YOUR APPLICATION:-)

Zuzana Musilova, PhD. (zuzmus@gmail.com)

Department of Zoology Charles University Vinicna 7, CZ-128 44 Prague Czech Republic - Europe

CharlesU Prague SocialInsectEvolution

Reproductive division of labor in facultative eusocial Hymenoptera

PhD Position, Department of Zoology, Charles University, Prague Supervisor: Michael Mikát

Deadline of call: 1st April, 2024

Insect societies are among the most successful and fascinating outcomes of evolution, largely due to the presence of workers individuals who sacrifice their own reproduction to support the reproduction of others. Reproductive altruism is a central concept in the study of social insects, yet much remains unknown about the conditions that enable its emergence. While a substantial body of theoretical research exists on the origins of reproductive altruism, few studies have investigated the extent of this phenomenon in simple insect societies.

This project seeks to explore reproductive skew in carpenter bees (Xylocopinae), a group characterized by

relatively simple social structures, using genetic markers. Student will assess within-nest relatedness across 10 Xylocopinae species and integrate our findings with data from approximately 20 other simple social Hymenoptera species. By identifying the key factors influencing reproductive skew and testing the applicability of existing reproductive skew models, we aim to refine or develop more accurate models. Ultimately, our research seeks to shed light on the origins and persistence of reproductive division of labor, advancing our understanding of the evolution of social insects.

Required Qualifications: - MSc degree (for Ph.D. applicants) in the field of biology. - Strong writing and communication skills. - Interest in the evolution of social insects. - Passion for biology.

Preferred Qualifications: - Experience with entomological research. - Proficiency in statistical analysis (e.g., R). - Programming skills (e.g., Python). - Experience with bioinformatics. - Ability to work and endure harsh field conditions. - Familiarity with relatedness analysis, particularly using microsatellites.

Prospective candidates should submit an academic CV (including a list of publications). Additionally, please provide a motivation letter addressing the following points: a) The biological questions and approaches that interest you most. b) Your interest in and experience with social insects. c) Your previous experience in biological research. d) Provide references to senior researchers you have collaborated with in the past.

The deadline for this call is April 1. The most promising candidates will be invited to an online meeting, which will take place during April. Start of the project: September 2025

Supervisor: Michael Mikát https://-www.researchgate.net/profile/Michael-Mikat?ev=-hdr_xprf Team members: Jiøí Hadrava, Daniel Benda Department of Zoology, Faculty of Science, Charles University, Prague, Czech Republic Contact: michael.mikat@gmail.com (if you are interested to additional info, do not hesitate to ask)

Michael Mikát <michael.mikat@gmail.com>

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CzechRepublic ClimateAdaptationGenomics

Open PhD Position - Genomic Adaptations to Climate Change

A PhD position is available at the Czech Academy of Sciences as part of a government-funded research project.

Dissertation Overview: The PhD research will focus on how species adapt to environmental changes, with an emphasis on genomic signatures of past adaptation and their role in future resilience. Key areas of study include the impact of past climatic refugia on present-day genetic diversity, genetic factors driving adaptation, and evolutionary processes shaping adaptive potential. The dissertation topic will be tailored to the student's interests and skills within the broader framework of the research project.

This PhD position provides a unique opportunity to contribute to high-impact research at the intersection of zoology, evolutionary biology, genomics, and conservation.

What We Offer and Expect: The PhD student will actively engage in genomic analyses and bioinformatics while collaborating with international partners, including the University of Oklahoma and Cornell University. We encourage independence, critical thinking, and initiative in shaping the research. The position offers strong mentoring, access to research facilities, specialized training programs, and career development opportunities. Healthcare coverage is included through the Czech public health insurance scheme.

Supervision & Enrollment: Project Leader & PhD Supervisor: Dr. Petr Kotlík (ResearchGate: https://-www.researchgate.net/profile/Petr_Kotlik) PhD Enrollment: Czech University of Life Sciences Prague, Tropical Agrobiology and Bioresource Management Program (Faculty of Tropical AgriSciences)

Early Bird applications are now open to ensure enough time for visa processing.

For More Details: Contact: Dr. Petr Kotlík (kotlik@iapg.cas.cz) Eligibility requirements and program details: https://www.ftz.czu.cz/en/-r-9420-study/r-9505-study-programmes/r-10477-phd-doctoral-degree-programmes/r-10478-tropical-agrobiology-and-bioresource-management Petr Kotlik

<Kotlik@iapg.cas.cz>

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GEOMAR Kiel SeascapeGenomicsEelgrass

Doctoral position (m/f/d, 4 yrs) "Eelgrass Seascape Genomics"

at the GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany, one of the internationally leading institutions in the field of marine research. The doctoral project will be carreid out in the research group "Marine Evolutionary Ecology" (https://www.geomar.de/en/-researchgroup-treusch).

Background and Project Description - The position is embedded into the German ANK ("Nature Based Solutions") funded project ZOBLUC - Zostera as Blue Carbon Ecosystem. The successful candidate will work within a consortium coordinated by GEOMAR that also comprises groups at Kiel University and at the State Agency for Environment of Schleswig Holstein (LfU). The primary goal of ZOBLUC is to upscale mapping, monitoring, restoration techniques and stakeholder involvement for eelgrass (Zostera marina) conservation and restoration in the south-western Baltic Sea.

The specific aim of the advertised position is to characterize regional eelgrass (Zostera marina) populations in a seascape genomics approach. Among the specific tasks are (i) characterizing populations using full genome resequencing (ii) combine population genomic data with available ocean dispersal models (iii) correlate genetic structure with environmental parameters in an environmental association study (iv) project the effects of future environmental change on local eelgrass survival using genomic offset analyses. The successful candidate will closely collaborate with a postdoctoral fellow addressing "Seagrass Assisted Evolution" within the same project, as well as with two other doctoral students working on eelgrass conservation. Our team comprises a scientific diving group that will assist in obtaining samples. Access to infrastructure required to conduct large-scale omics analyses such as sequencing and high-performance computing is available, as well as state-of-the art experimental facilities with running seawater.

Requirements for a successful application are:

* MSc-degree (or equivalent) in biology, genetics, ecology, marine sciences, or in a related subject * experience in population genetics and genomics * knowledge in evolutionary biology * experience with omic approaches including bioinformatic scripting * proficiency in English (written and spoken)

Desirable qualifications would be: * scientific publications based on the MSc thesis * experience in landscape or seascape genomics * experience in seagrass ecology and evolution * knowledge in marine nature conservation regulation and management * scientific diving license

The position is for four years at the E13 pay scale equivalent to 75% of a full contract (approx. euro 3000 gross), the desired starting date is 1—May—2025. The position offers the possibility to attain a doctoral degree in natural sciences.

Please submit your application no later than 20 March 2025, the link can be found along with further details here: https://www.geomar.de/en/karriere/job-single-en/doktorandenstelle-m-w-d-seegras-seascape-genomik Please include a one-page research outline how you would tackle the question of seascape genomics in eelgrass. For further informal inquiries, regarding the position and research unit please contact Prof.—Thorsten Reusch (treusch(at)geomar.de).

Thorsten Reusch <treusch@geomar.de>

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IBE Barcelona Adaptation

The Institute of Evolutionary Biology seeks a PhD student The Institute of Evolutionary Biology (IBE) is a joint Institute of the Spanish National Research Council (CSIC) and the Pompeu Fabra University (UPF) located in Barcelona city. IBE research is focused on the processes and mechanisms that generate biodiversity and on understanding the genetic basis of evolution. The IBE is a center member of the Barcelona Biomedical Research Park (PRBB).

The Evolutionary Microbiology Lab In our group we study the molecular mechanisms that facilitate adaptation to changing environments and the limits of adaptation using a combination of computational approaches, experimental evolution (of bacteria and single proteins) and omics (sequencing, transcriptomics). The group is part of the Biodiversity Program at IBE.

We are a small, but collaborative and dynamic group. The candidate will benefit from a vibrant and interdisciplinary academic environment with excellent opportunities for education, training and collaboration.

Project description Environments change constantly, but bacteria can rapidly adapt to stressful conditions. How can bacteria adapt so quickly? The candidate will use experimental evolution to investigate how bacteria with multipartite genomes adapt to two sources of stress: high temperatures (close to the upper thermal tolerance) and nutrient scarcity. Evolution experiments will be coupled with whole genome sequencing to unravel the genetic changes underlying adaptation.

Candidate requisites - The successful candidate should hold a master's degree in a relevant area such as evolutionary biology or microbiology and have a genuine interest in evolutionary biology - Standard molecular biology techniques (microbiological culture, PCR, DNA and RNA isolation, cloning) - Programming skills and experience analysing next-generation sequencing data are an asset - Proficiency in English (oral and written) - The candidate should be highly motivated, enthusiastic, curious, and able to work independently and as part of a team

What do we offer? - A fully funded three-year PhD contract, funded by CSIC (Excelencia RyC- Max 20243MAX009) - Salary: around 24.400 euro gross salary - Starting date: September/October 2025 - Location: Institute of Evolutionary Biology (Passeig Marítim de la Barceloneta, 37 - 49, Barcelona, Spain)

Application process If you are interested in this position, please send your application (one single PDF file) to Macarena Toll-Riera (macarena.toll@ibe.upf-csic.es) with the subject line 'PhDs student position' and the following documents: motivation letter describing your interest in the position, CV, and contact information from two potential references.

Deadline for applications is 31st March 2025.

MACARENA HELENA TOLL RIERA <macarena.toll@csic.es>

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KielU PlasmidPhylogenomics

In the Evolutionary Microbiology Group of Prof. Tal Dagan at the Institute of General Microbiology at Kiel University, Germany, a PhD position (m/w/d) in computational evolutionary microbiology is available for a period of 36 months at the earliest possible date. If the legal requirements under collective bargaining law are met, the tariff grouping is carried out up to pay scale 65% 13 TV-L.

The Evolutionary Microbiology Group research interests are focused on microbial genome evolution with an emphasis on the study of horizontal DNA transfer. In our research we use both computational and experimental approaches (see www.uni-kiel.de/genomik). The working language of the group is English. Well-motivated and highly-qualified students from all countries are welcome to apply. We are looking forward to your application for a PhD fellowship in the beautiful landscape of Northern Germany. The position will be integrated within the graduate school Translational Evolution (https://-transevo.de/).

The deadline for applications is March 27, 2025. The selection days will be held from June 17-18, 2025. The program starts on October 1, 2025 (a later start date is possible).

Your profile: - Master of Science degree in Molecular Evolution / Microbiology / Bioinformatics or related fields. - Experience in programming (e.g., in Python) and analysis of genomic data. - Any of following expertise is an advantage: biostatistical analysis (e.g., with R), phylogenetics, comparative genomics. - Good oral and written communication skills in English. - Motivation to learn and research topics in basic science.

Possible doctoral research topics (please explain your preference in the motivation letter): 1. Develop novel methodologies for the integration of plasmid (and host) gene phylogenies. See relevant publication: Hanke et al. (2024) NAR doi:10.1093/nar/gkae430 2. Reconstruct the evolution of plasmid replicons via rooted phylogenies. See relevant publication: Tria et al. (2017) Nat Ecol Evol. doi:10.1038/s41559-017-0193

The University of Kiel sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social origin, religion, worldview, disability or sexual identity. We

support gender equality. Women with equivalent suitability, qualifications and special abilities will be given preferential consideration in the selection process. Kiel University is committed to the employment of people with disabilities: Applications from severely disabled persons and persons of equal status will be given preferential consideration if they are suitable. We explicitly welcome applications from people with a migration background.

See details on how to apply in (project 3, PI Dagan): https://www.kec.uni-kiel.de/news_events/-GRK-2501-TransEvo_Advertisement_engl_0.pdf We explicitly ask you to refrain from submitting photographs/application photos.

For enquiries regarding the position and research topic please contact Prof. Tal Dagan: tdagan@ifam.uni-kiel.de.

Prof. Dr. Tal Dagan

Evolutionary Microbiology Group Institute of General Microbiology Christian-Albrechts-University Kiel ZMB, Am Botanischen Garten 11 24118 Kiel, Germany

Tel: +49 431 880 5712 Fax: +49 431 880 5747 e-mail: tdagan@ifam.uni-kiel.de web: www.uni-kiel.de/genomik Tal Dagan <tdagan@ifam.uni-kiel.de>

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KielU Seven EvolutionaryBiology

*Job Advertisement *

The Kiel University, the University Hospital Schleswig-Holstein (UKSH), the Max-Planck-Institute for Evolutionary Biology in Plön, and the Research Center Borstel (Leibniz Lung Center) offer

*7 PhD positions **within the Research Training Group "Translational Evolutionary Research" (3 year and 2.5 months fixed-term positions, 65% TV-L, TV-ÃD E13)*.

The graduate school aims at studying the relevance of evolutionary principles to applied problems. Unintended outcomes of human intervention often result from actions that influence natural selection. For example, the usage of antibiotics or anti-cancer drugs in medicine, of pesticides in agriculture, or human perturbation of the earth's ecosystems directly change natural selection and thereby affect the evolution of organisms. Surprisingly, evolutionary concepts are only rarely used to improve our understanding of these applied challenges and to develop new sustainable solutions. The RTG will train PhD students in the competences to do so.

This RTG is a joint initiative of Kiel University, the University Hospital Schleswig-Holstein (UKSH), the Max-Planck-Institute for Evolutionary Biology in Plön, the Helmholtz Center for Ocean Research Kiel (GEOMAR), the Research Center Borstel (Leibniz Lung Center), the Kiel Institute for the World Economy (IfW) and the Max-Rubner-Institute Kiel (MRI). The RTG offers an internationally competitive research environment with state-of-the-art facilities. The participating groups use a variety of different methods, including evolutionary experimental, molecular, genomic, and theoretical approaches.

The graduate program starts with a *rotation period of 2.5 months followed by a PhD project of three years* (employment by one of the involved institutions) including seminars, courses and workshops. The language of the graduate school is English. PhD projects cover the following topics:

*1. **PI Remco Stam: Effects on local pathogen populations in the context of crop protection.*

*2. **PI Eva Stukenbrock: Recent evolutionary developments in a global wheat pathogen*

*3. **PI Tal Dagan: The origins of antibiotic resistance plasmids in fresh produce*

*4. **PI Heike Siebert: Phylogenetic rooting methods integrating branch length and tree*

space metrics

*5. **PI Stefan Niemann: Evolution-informed antibiotic therapy against Mtbc strains*

*6. **PI Hinrich Schulenburg: Evolution-informed antibiotic therapy against PA strains*

*7. **PI Arne Traulsen: Theoretical modeling of tumor-microbiome ecology in pancreatic cancer evolution*

*To obtain further information on our PhD program, the PhD topics, and application details please visit: *https://transevo.de/ Motivated and highly qualified candidates are welcome to apply. A Master of Science degree or a Diploma as well as a strong interest in Evolutionary Biology are prerequisites for entering the program. (You will find more information about the employment requirements with the project descriptions below). We are looking forward to your application for a PhD project in the beautiful landscape of Northern Germany.

The deadline for applications is March 27, 2025.

The selection days will be held from *June 17-18, 2025.*

The program itself starts on October 1, 2025 (a later start date is possible).

The University of Kiel sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social origin, religion, worldview, disability or sexual identity. We support gender equality.

Women with equivalent suitability, qualifications and special abilities will be given preferential consideration in the selection process.

Kiel University is committed to the employment of people with disabilities: Applications from severely disabled persons and persons of equal status will be given preferential consideration if they are suitable.

We explicitly welcome applications from people with a migration background.

Applications should include: a letter of motivation (max. 1 page), curriculum vitae, transcripts of degree, a list of max. 3 preferred PhD topics (from among the offered projects) plus a short explanation of the preferences (max. 1 page).

We explicitly ask you to refrain from submitting photographs/application photos.

*Please apply with a single PDF via the following Link *by* March 27, 2025*

www.transevo.de/application If you have any questions on the RTG program or individual projects, you may contact Dr. Sabrina Koehler (skoehler@zoologie.uni-kiel.de).

#gernperDu

Dr. Sabrina Koehler §she/her

Scientific Coordinator, Kiel Evolution Center & RTG 2501 TransEvo

Kiel University Zoological Institute, Evolutionary Ecology and Genetics Am Botanischen Garten 9 §24118 Kiel, Germany

+49-(0)431-880-4148 +49-(0)1515-8 14 16 24 skoehler@zoologie.uni-kiel.de

— / —

Krakow EvolutionaryEcol

PhD position available at the Institute of Nature Conservation, Polish Academy of Sciences (INC PAS), Krakow, Poland. The position is part of the OPUS project "Global Wind Regimes in Ecogeographical Rules of Evolution" and focuses on the role of wind speed in shaping avian body size and appendage length in accordance with Bergmann's and Allen's rules.

Position Details: - Fully funded, 4-year PhD position (March 2025 start). - Monthly stipend: 5000 PLN gross (3700 PLN net) in the first two years, 6200 PLN gross (4700 PLN net) in the last two years. - Research includes phylogenetic comparative methods, global datasets, and statistical modeling in R. - Collaboration with international researchers from Spain and Australia.

Requirements: - MSc degree in biology, ecology, ornithology, or a related field. - Background in evolutionary biology, phylogenetics, or biogeography. - Experience with R programming and statistical analysis. - English proficiency (B2 or higher).

Application: To apply, send a single PDF file (CV, cover letter, references) to sekretariat@iop.krakow.pl (Cc: frohlich@iop.krakow.pl) Deadline: **March 7, 2025**.

For more details, see the full announcement: https://panel.iop.krakow.pl/uploads/232/-PhD_position_within_OPUS.pdf For inquiries, contact Dr. Arkadiusz Fröhlich at frohlich@iop.krakow.pl

Arkadiusz Fröhlich <frohlich@iop.krakow.pl>

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MaxPlanckInst Ploen EvolDevelopmentalPrograms

The Max Planck Institute for Evolutionary Biology in Plön, Germany is looking for a PhD candidate (f/m/d) - Evolutionary Developmental Biologist to study the evolution of developmental programs

Your profile We are seeking an evolutionary and/or developmental biologist with a solid empirical background and methodological skillset and a keen interest in addressing fundamental questions in contemporary Evo-Devo. You will collaborate with an international team of experimental and computational biologists to explore the evolution of craniofacial development.

The challenge The body compartment that has acquired the highest degree of morphological diversity in vertebrates is the head and particularly the face. Today's spectrum of vertebrate craniofacial shapes reflects evolutionary adaptations to the environment, the development of distinct feeding strategies, communication, and other specialized functions. The head and face, including their specific shape, emerge during embryogenesis. We study how developmental programs controlling the development of the head evolved to generate a spectrum of different shapes. In particular, we investigate the interplay between genetic information, gene regulatory networks, cell behaviour, and morphology during this process. By examining species across evolutionary scales, we aim to uncover the mechanisms underlying morphological evolution and the general principles of embryonic development. Our team employs various vertebrate models, from sharks to mice, and modern approaches (single-cell omics, multiplexed HCR, 3D and high-resolution imaging, micro-computed tomography) alongside conventional Evo-Devo and molecular biology methods.

The requirements - MSc degree in Biology, with a focus on molecular, developmental, evolutionary, cell biology, or related fields. - Solid understanding of biological processes at multiple levels (genetics, molecular, cellular, and organismal). - Experience with Evo-Devo methodologies, molecular & cell biology techniques, genomics, or bioinformatics. - Excellent written and spoken English communication skills. - Ability to integrate concepts from various biological disciplines - High motivation and commitment to the research project. - Creative, communicative, goal-oriented with a collaborative mindset, able to work both independently and in a team.

We offer The position is available from the earliest possible starting date. Contracts are awarded after an initial start-up phase (6 months; non-taxable stipend) for a period of three years (fully funded). Remuneration and social benefits are based on the German Civil Service Collective Agreement (TVöD Bund); see https://oeffentlicher-dienst.info/tvoed/bund/. The salary includes all mandatory social insurance contributions for health care, long-term care, unemployment, and retirement. The candidate will be part of the International Max Planck Research School for Evolutionary PhD, a well-established program with a vibrant research community and outstanding infrastructure.

About us The Max Planck Society has set itself the goal of employing more severely disabled people. Applications from severely disabled people are expressly welcome. In addition, the Max Planck Society strives for gender equality and diversity. We welcome applications from any background.

How to apply - cover letter, including your research interests, motivation and relevant work experience - academic CV, including a list of publications and methodological skillset - name and email address of two or more scholars who can serve as a reference

Send the required application material as a single PDF to: kaucka@evolbio.mpg.de by March 31st 2025.

For further inquiries, please contact the PI directly via email: kaucka@evolbio.mpg.de Institute web page: www.evolbio.mpg.de Lab web page: www.evolbio.mpg.de/evodevodynamics Please note that only candidates who meet the qualifications outlined in the job description will be considered. Generic, irrelevant or incomplete applications will not be acknowledged.

Marketa Kaucka <kaucka@evolbio.mpg.de>

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MichiganTechU PlantEvolution

PhD Student Opportunity to Join Dr. Erika Hersch-Green's Research Group in Plant Evolutionary Ecology at Michigan Technological University

I am looking for a PhD graduate student that would like to contribute to research that broadly aims to understand how plant genome size and different climatic and ecological factors (e.g., species interactions) influence the structuring of multispecies terrestrial communities. An interest in dune ecosystems, urban ecology, and/or plant-fungal interactions would also be especially welcome.

Position Details:

§With guidance from Dr. Hersch-Green, student will lead the development of their specific research questions and projects based upon their specific interests.

§Student will have opportunities to:

o conduct experiments in lab, greenhouse, and/or field

settings (https://youtu.be/H6MtEnAIyi0),

o collaborate with national and international scientists (see: https://nutnet.org/home, https://dragnetglobal.weebly.com/),

o participate in outreach activities,

o work with a fun, supportive lab group to foster a positive learning environment for everyone.

§The anticipated start date Summer of Fall 2025.

§Funding (including tuition) in the form of graduate research and teaching assistantships is included.

Qualifications:

§Required: (1) A MS in the fields of ecology or evolutionary biology or a relevant discipline. (2) Good (demonstrable) English scientific writing skills. (3) Ability to work well independently and as part of a team. (4) Commitment to supporting a friendly and cohesive working environment.

§Desired: (1) Good quantitative/statistics background and experience using R statistical package. (2) Experience in publishing research in peer-reviewed journals. (3) A US driver's license upon starting.

Qualified and interested candidates should email Dr. Erika Hersch-Green (eherschg@mtu.edu) to express interest. In this email please include an updated CV and a statement of interest addressing required and desired qualifications and describing what area of research you are most interested in exploring and any previous experience in this area.

Review of applications will begin March 1, 2025, at which time I will contact the most qualified candidates for virtual interviews.

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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Paris EvoGEM

We are pleased to announce that applications are now open for the Master 2 EvoGEM (Evolution of Genomes, Populations, and Species: Data and Models) program. This interdisciplinary and inter-institutional course provides a comprehensive foundation in evolutionary genetics, with a strong focus on modelling, mathematics, bioinformatics, and genomics.

EvoGEM is taught by researchers and professors in the Parisian area from Muséum National d'Histoire Naturelle, Paris Sciences & Lettres, Sorbonne University, Université Paris-Cité, and Université Paris-Saclay, offering a theoretical and methodological training in computational and mathematical modelling approaches to interpret evolutionary mechanisms from genomic data.

Key Features:

- Five specialized teaching units: Evolution, Modelling, Population Genetics, Quantitative Genetics, and Comparative Phylogenetic Analysis

-Tutored project in labs during the first semester

- Fully taught in English

We invite interested students to apply and encourage you to share this opportunity with potential candidates in your network.

For more information and application details, please visit [https://evogem.fr/] . Henrique Teotónio <teotonio@bio.ens.psl.eu>

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RPTU Germany EnvironmentEcolEvol

The iES Landau, Institute for Environmental Sciences, University (RPTU) Kaiserslautern-Landau, Campus Landau, Germany offers 14 doctoral research positions (65%, PhD students) (m/f/d) in the framework of the research training group 2360 SystemLink - Crossing boundaries: Propagation of in-stream environmental alterations to adjacent terrestrial ecosystems funded by the German Research Foundation (DFG).

The 14 PhD researchers will jointly work on a large field study across Europe on aquatic-terrestrial ecosystem linkages under anthropogenic stress (e.g. invasive species, molecular ecology, eco-evolutionary dynamics). In addition, they may conduct experiments in unique aquatic-terrestrial mesocosm facilities combined with laboratory research, or develop and apply process-based

environmental models.

Please send your applications (1 pdf file, max 10 MB), specifying for which topic(s) you apply, with a 1-page letter of motivation, a reference letter from a mentor, degree certificates, a CV and a list of publications/presentations until 14 March 2025. Further information at: https://jobs.rptu.de/jobposting/-ef5043d0e63297c5c4e0831ae8c4d58a4fcec7 d40

More details on the announced positions and on the application procedure please see https://-systemlink.rptu.de/ or contact the speaker of System-Link Ralf Schulz (r.schulz@rptu.de).

"Prof. Dr. Klaus Schwenk" <k.schwenk@rptu.de>

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SGN Frankfurt VertebratePopGenomics

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 six federal states. Within SGN, the Senckenberg Biodiversity and Climate Research Centre (SBiK-F) explores the interactions between biodiversity, climate, and society.

The Senckenberg Biodiversity and Climate Research Centre invites applications for a

PhD position (m/f/d) in Population Genomics of Vertebrates (65 %)

There is an exciting opportunity for a talented and motivated applicant to join the working group of Prof.Dr. Axel Janke. The applicant is expected to be closely involved in evolutionary, population or phylo-genetics to study speciation in mammals (bears, giraffe, kangaroos or allies) at the genomic level. The likely project will involve giraffe genomics.

Your profile:

Master degree in Biology, Genetics, Bioinformatics or a related fieldStrong interest and proven skills in genomic evolutionary-, population- and/or phylogenomic analyses, in particular drift-related processes, speciation, and population statistics.Experience in analyzing NGS and programing of scripts, RVery good written and oral communication skills in EnglishInterest 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: part-time (65%)

Type of contract: The contract should start preferably on April 1st, 2025 and is limited to three 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 references to) in electronic form (as a single PDF file) by 24.02.2025 to recruiting@senckenberg.de, quoting the reference number #11-25001, 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 . Maria Di Biase <maria.di-biase@senckenberg.de>

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Stockholm ConvergentEvolution BirdsFrogs

https://recruit.visma.com/spa/public/-apply?guidAssignment=7737f8fc-4026-43bb-bc53-3cb833dda1db&publishCode=AMS&TK=abb61784-5d71-4fd7-8cfd-7d659fde7ae8&description=True

What The Department of Bioinformatics and Genetics at the Swedish Museum of Natural History is offering a four-year PhD position focused on exploring the convergent evolution of toxicity in New Guinean passerine birds and Neotropical poison dart frogs.

Goals The student is expected to work on one or more of the following aspects: i) determine the source of BTX and its adaptive significance in toxic birds ii) pinpoint the underlying genomic adaptations allowing for storage and transportation of toxins in both birds and frogs iii) evaluate the roles that gut microbial symbionts play in toxin uptake, and in facilitating the hosts adaptations to be toxic.

How The candidate will use whole genomic data, metabarcoding data and transcriptomics data to answer the above questions and is expected to take part in developing specific projects based on interest and experience. There is also the possibility (albeit not mandatory) to participate in fieldwork at the Copenhagen Zoo or in Papua New Guinea.

Team Supervised by Knud Jï¿½nsson, NRM and Kasun Bodawatta (University of Copenhagen, Denmark) and will have close collaboration with Christine Beemelmanns at the Hans Knï¿½ll Institute in Leipzig, Germany. –

islandevolution.github.io [group website]

jcerca.github.io [personal website]

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

Evolutionary Biologist

Swedish Museum of Natural History

(20% @ the University of Oslo)

Josï¿½ Cerca <jose.cerca@gmail.com>

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

Tartu Estonia EvolThermalTraitsInsects

We are seeking PhD students to join our team working on the project entitled "Evolution of Thermal Traits in Insects: A Comparative-Ecological Approach," funded by the Estonian Research Council (2025-2029) and carried out at Estonia's leading research centre, the University of Tartu (https://www.ut.ee/en).

The lab-wide project focuses on a macroevolutionary analysis of the evolution of thermal traits (such as the minimum suitable temperature) in insects. The ultimate aim is to evaluate the potential of insect populations to respond to ongoing climate change. The research will rely on a diverse set of methods, including meta-analyses of published data, analyses of geographical distribution patterns, and empirical work to collect comparable data on various insect species across Europe. Specific PhD projects will be tailored based on the research interests of the students.

The work will be supervised by Prof. Toomas Tammaru (http://www.ut.ee/~tammarut) and other members of his team (https://zooloogia.ut.ee/en/content/chair-of-entomology-members-of-the-chair). Our group has a unique combination of interests and expertise, covering evolutionary ecology, advanced statistical methods, phylogenetic comparative analyses, and the taxonomy of insects, Lepidoptera in particular. You will experience a work atmosphere that combines the spirit of an old university town with a highly modern and international research environment.

PhD studies in Estonia last four years, and publishing research papers is a requirement. PhD students receive competitive salaries, allowing them to work on their theses full-time while also taking some relevant classes.

A successful candidate will have an excellent academic record, experience with statistical analyses, and an interest in evolutionary biology. Some experience and/or a genuine interest in the ecology, evolution, or taxonomy of insects would be an advantage. The candidate must have obtained their Master's degree by August 1, 2025. Enrolment as a PhD student will be on September 1,

2025.

To apply, please send your CV and a motivation letter (200 to 300 words) outlining your experience and interests related to the subject to Toomas Tammaru (toomas.tammaru@ut.ee) before the end of February 24 (any time zone).

The position is open to applicants of all nationalities.

Toomas Tammaru <toomas.tammaru@ut.ee>

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

UBasel Switzerland EvolutionaryGenomics

A PhD-position in evolutionary ecology and genomics is available in the research group of Dieter Ebert at the University of Basel, Department of Environmental Sciences.

I am looking for a highly motivated candidate with interests in evolutionary ecology/genetics/genomics. The research group employs laboratory- and field-based approaches to understand the evolution of phenotypic and genetic diversity. Our research group addresses evolutionary and ecological aspects of local adaptation, environmental stress, host-parasite interactions, coevolution, phylogenetics and biogeography. A major focus is on host-parasite coevolution.

The PhD project is concerned with the role of environmental stress and the role of parasitism in natural populations of the planktonic crustacean Daphnia. The detailed projects will be worked out with the successful candidates.

A Master degree (or equivalent) in biology or related subject is necessary for admission. Experience in bioinformatics, molecular tools, and data analysis are helpful, but are not required.

The positions are fully funded and are supported by the Swiss National Science Foundation and the University of Basel. Starting date for the PhD is negotiable (any time from April 2025 onwards). The working language in the group is English.

Please send your application by email (all material in one PDF please) to Dieter Ebert. Applications should include a motivation letter (including research interests, maximum 1 page), a CV and a list of publications (if available). Please give names and email addresses of two persons who are willing to write a letter of recommendation. Application deadline is 7 March 2025.

Further information and address for application: Prof. Dr. Dieter Ebert, University of Basel, Department of Environmental Sciences, Zoology, Basel, Switzerland, Email: dieter.ebert@unibas.ch Web: http://-evolution.unibas.ch/ebert/ Dieter Ebert University of Basel, Department of Environmental Sciences, Zoology Vesalgasse 1, CH-4051 Basel, Switzerland http://-evolution.unibas.ch/ Email: dieter.ebert@unibas.ch

Dieter Ebert <dieter.ebert@unibas.ch>

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UCopenhagen AncientDNA

PhD fellowship in Evolutionary Biology at Globe Institute, University of Copenhagen

We are looking for a highly motivated researcher for a 3-year fully funded PhD fellowship to work on bean domestication through comparative genomics and palaeogenomics.

Project description:

The PhD project is part of a larger initiative aimed at studying the coevolution of legumes and their root bacteria through the domestication process. Due to their ability to form symbiotic relationships with soil bacteria, legumes offer a unique opportunity to investigate the coevolution of plants and their root microbiome across different environments. Additionally, since legume seeds can be found in the archaeological record, they can be used to trace these species through time using ancient DNA.

The PhD project involves sampling Phaseolus nodule data from wild and domesticated plants, generating whole-genome sequencing data from wild and domesticated legumes, as well data from ancient bean seeds, and data analysis and integration of the results. The PhD fellow will work closely with Assistant Prof. Jazm??n Ramos Madrigal.

Start: 1 July 2025 (or as soon as possible thereafter)

Duration: 3 years as a PhD student

Key criteria for the assessment of applicants:

We are looking for candidates within the fields of bi-

ology, ecology, genomics, agronomy, molecular biology, or similar with experience relevant to the project (see qualifications below). The ideal candidate will have a curious mindset with strong interest in evolutionary biology, ecology and in the subjects related to the PhD position (see project description), and experience in: - Carrying out fieldwork - Carrying out molecular biology laboratory work - Proficiency in the English language, both written and spoken

The candidate should have interest in learning or experience in: - Carrying out ancient DNA laboratory work - Processing and analysing high-throughput genomic sequencing data - Conducting population genomics, comparative genomics or metagenomic computational analyses - Working in an interdisciplinary research group

Other relevant assessment criteria: - Experience with engaging with diverse stakeholders - the grade point average achieved

Application procedure:

Your application must be submitted electronically by clicking ???Apply now??? below. The application must include the following documents in PDF format: 1. Motivated letter of application (max. one page) 2. CV incl. education, experience, language skills and other skills relevant for the position 3. Certified copy of original Master of Science diploma and transcript of records in the original language, including an authorized English translation if issued in other language than English or Danish. If not completed, a certified/signed copy of a recent transcript of records or a written statement from the institution or supervisor is accepted. As a prerequisite for a PhD fellowship employment, your master???s degree must be equivalent to a Danish master???s degree. We encourage you to read more in the assessment database: https://-ufm.dk/en/education/recognition-and-transparency/-find-assessments/assessment-database Please note that we might ask you to obtain an assessment of your education performed by the Ministry of Higher Education and Science 4. Publication list (if possible)

Application deadline: Sunday the 16th of March 2025, 23.59pm CET

Questions:

More information about the position and how to apply can be found here: https://candidate.hr-manager.net/-ApplicationInit.aspx?cid=1307&ProjectId=-163466&DepartmentId=19217&MediaId=-5&SkipAdvertisement=False&uiculture=en For specific information about the PhD fellowship, please contact Assistant Prof. Jazm??n Ramos Madrigal (jazmin.madrigal@sund.ku.dk).

General information about PhD studies at the Faculty of Health and Medical Sciences is available at the Graduate School???s website: https://healthsciences.ku.dk/-phd/guidelines/ Jazm??n Ramos Madrigal Center for Evolutionary Hologenomics Globe Institute University of Copenhagen

Jazmin Ramos Madrigal <jazmin.madrigal@sund.ku.dk>

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UCopenhagen BowheadPopulationGenomics

PhD fellowship in bowhead whale population genomics and demography

The Globe Institute, Faculty of Health and Medical Sciences, University of Copenhagen

We are looking for a highly motivated and dynamic researcher for a 3-year PhD fellowship in bowhead whale population genomics and demography. The position will commence on 1 September 2025, or as soon as possible hereafter.

The groups and research This PhD position is a joint project between the Globe Institute at University of Copenhagen and Pinngortitaleriffik (Greenland Institute of Natural Resources). The successful candidate will thus be part of two research environments: the Molecular Ecology and Global Climate Change group, led by Professor Eline Lorenzen, at the Globe Institute, and Mads Peter Heide-Jørgensen's group at the Greenland Institute of Natural Resources.

The Lorenzen group integrates biomolecular data from past and present populations of mammal species to understand patterns and drivers of eco-evolutionary change. We are an international group of PhD students and postdocs, and currently number six people from China, Denmark, France, New Zealand, South Africa, and the US. Our work is interdisciplinary and highly collaborative, and we work towards fostering an inclusive, supportive, and team oriented work environment.

The Lorenzen group is based in the Section for Molecular Ecology and Evolution, one of six research sections at Globe Institute. The research of the section is driven by curiosity and shared excitement for scientific collaboration and discovery, and we value a diverse and

inclusive scientific environment that fosters creativity. Information on the Globe institute can be found at https://globe.ku.dk. The PhD candidate will be part of the PhD programme at the Globe Institute in Life, Earth, and Environmental Sciences.

Mads Peter Heide-Jørgensen is a professor at the Greenland Institute of Natural Resources, with extensive experience in marine mammal studies in Greenland. He has been particularly instrumental in researching bowhead whales in both East and West Greenland, where he pioneered new methods for tracking of bowhead whales. Additionally, he is responsible for the biopsy sampling program for bowhead whales in West Greenland, which has been conducted annually since 2000 and is the foundation of this PhD project.

The Greenland Institute of Natural Resources conducts research into Arctic ecosystems, monitors the living resources and the environment in Greenland, and advises the Government of Greenland and other authorities on sustainable exploitation of living resources and safeguarding the environment and biodiversity.

Your job The PhD project is part of 'BRIDGE- bridging fundamental science and applied conservation in polar research', financed by Independent Research Fund Denmark (DFF), as part of their 2024thematic research call in 'Arctic research - Climate change and sustainable arctic communities'.

Specifically, your research will focus on investigating patterns of demographic change in bowhead whales in Disko Bay, West Greenland, across the past 25 years, based on genetic analysis of a unique time series of 1,125 tissue samples collected by the Greenland Institute of Natural Resources since 2000.

Bowhead whale populations were decimated by two centuries of commercial hunting. Now, a century later, populations are recovering, and observational data indicate bowheads are extending into their former range in Disko Bay (West Greenland), a previously high-density area.

This PhD project will utilise genomic data to characterise key demographic parameters associated with a recovering population and the recolonisation of Disko Bay: abundance, genetic composition, segregation of reproducing animals, and possible exchange with other neighbouring sub-populations. The abundance and cycle of females (assumed to be tri-annual) occurring in Disko Bay are particularly important parameters for understanding the dynamics of not just the bowhead population west of Greenland, but also as an indicator of the impacts of escalating changes in the Arctic.

The project will (i) provide an abundance estimate of the winter aggregation in Disko Bay; (ii) assess the fraction of females that winter in Disko Bay, and identify at what intervals reproductive females return to the bay after delivery and nursing in the Canadian High Arctic; (iii) compare the genetic signature of Disko Bay individuals with adjacent populations in Alaska, Canada, and Svalbard, to assess the influx of whales from Alaska facilitated by the recent reduction of sea ice in the Northwest Passage.

The project will include laboratory work for DNA data generation, and bioinformatic processing and analysis of the data. The PhD student is expected to first-author papers in international peer-reviewed journals. The PhD student will work closely with other relevant

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UGroningen EvolutionaryConsequencesOfIsolation

"The University of Groningen, The Netherlands invites applications for a PhD position exploring the evolutionary consequences of isolation (of insular systems). A short project description can be found at

https://evolve-programme.eu/the-evolutionary-consequences-of-isolation/, and applications can be entered at https://evolve-programme.eu/apply/. The deadline is March 20, 2025".

Thanks!

Rampal Etienne

"Rampal S. Etienne" <r.s.etienne@rug.nl>

ULausanne EvolutionaryConservationBiol

Graduate assistant in Evolutionary Conservation Biology

Introduction UNIL is a leading international teaching and research institution, with over 5,000 employees and 15,500 students split between its Dorigny campus, CHUV and Epalinges. As an employer, UNIL encourages excellence, individual recognition and responsibility.

Presentation The Group of Prof. Claus Wedekind is proposing a Graduate assistant (assistant diplômé) position in Evolutionary Conservation Biology at the Department of Ecology and Evolution, University of Lausanne, Switzerland. The graduate assistant will join a dynamic team working mainly on the selective forces that act on freshwater fish, i.e. the effects of human activities in interaction with natural and sexual selection. For more information, see https:// www.unil.ch/dee/wedekind-group Job information Expected start date in position: 1.4.2025 or to be agreed Contract length: The initial contract is for 1 year, renewable twice for two years, up to a maximum of 5 years in total Activity rate: 85% Workplace: Lausanne-Dorigny

Your responsibilities The position is in the context of a larger project that focuses on induced evolution in salmonid fish (whitefish, brown trout, grayling, and char) and combines fieldwork, experimental work in the laboratory, behavioural studies, molecular genetics, bioinformatics, and population modelling. We are collaborating with several cantons and with other research groups at UNIL and elsewhere. Graduate assistants (assistants-diplômés) in our department assist in teaching and supervise master students (up to 25% of the activity) and in the organization of the equipment and labs or other institutional tasks (5% of the activity). At least 55% of the working time is devoted to personal thesis research.

Your qualifications We are seeking candidates with a Master in Biology and with a strong interest in one or several of the following fields: behaviour, fish biology, population genetics, population management, life history, bioinformatics, evolutionary ecology. The working language in the group and in the department is English for all scientific matters but knowledge in French and/or German would be a plus.

Your interpersonal skills §Ability to plan research goals with other team members and work to strict deadlines §Good cooperative skills with other researchers and team members §Good communication skills, ability to keep an open mind, ability to communicate your ideas to others §Be motivated and be able to motivate others

What the position offers you We offer a nice working place in a multicultural, diverse, and dynamic academic environment, with opportunities for professional training, possibilities of continuous training, a lot of activities, and other opportunities to discover. The Department of Ecology and Evolution in Lausanne University hosts research groups working on a broad range of topics, producing a rich intellectual and social life. The campus is located on the shore of the Geneva Lake, with a view on the Alps.

Contact for further information For further information please contact Prof. Wedekind: claus.wedekind@unil.ch

Your application Deadline: 7.2.2025 Formal applications should include: §A cover letter containing a short description of your research interests and research experience, explaining why you reply to this job offer §Your CV §A copy of your master certificate §Contact details of two or three referees §Master's thesis summary (max. one page) §The contact details of 2-3 referees

To receive full consideration, application documents should be uploaded online through the University of Lausanne recruitment platform.

Review of applications will begin immediately.

Additional information UNIL is committed to equal opportunities and diversity. www.unil.ch/egalite UNIL supports early career researchers. www.unil.ch/-graduatecampus Claus Wedekind Department of Ecology and Evolution, Biophore, University of Lausanne, 1015 Lausanne, Switzerland. Tel. +41 21 692 42 50 https://www.unil.ch/dee/wedekind-group Claus Wedekind <claus.wedekind@unil.ch>

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UMainz GenomicsNeurobiologyAnts

PhD Position: Evolution and Organization of Ant Olfactory Systems

We are seeking a PhD student to join an interdisciplinary team to study the evolution and organization of the olfactory system in ants. The team includes Carlotta Martelli (neurobiology and computational biology), Hugo Darras (evolution and genomics), and Susanne Foitzik (behavior and evolution), and two other students.

The project will explore the organizational principles of the olfactory system in Temnothorax ants, from genes to neurons to behavior. The long-term goal is to identify evolutionary signatures of non-canonical organizations of the olfactory system and to understand the computational consequences of different architectures for odor coding and behavior. This innovative, interdisciplinary project combines neurobiological and behavioral experiments, molecular genetic analysis, genomics, transcriptomics, and theory.

This position will focus on bioinformatics applied to genomic, single-cell transcriptomic, and neurobiological data, and will be co-supervised by H. Darras and C. Martelli, and in collaboration with S. Foitzik. The ideal candidate should have a strong background in bioinformatics, with practical or theoretical experience in single-cell transcriptomics and comparative genomics. A keen interest in neurobiology is essential. Additional skills in evolutionary biology, insect handling, and programming (preferably in Python) would be advantageous, but are not mandatory.

To apply, please send a letter of motivation, CV and contact information of two referees to cmartell@uni-mainz.de Applications will be reviewed on a rolling basis, and candidates will be considered in the order they are received.

For additional information, please contact us!

Carlotta Martelli cmartell@uni-mainz.de, https://-mrtlllab.uni-mainz.de/ Hugo Darras hdarras@uni-mainz.de, https://www.blogs.uni-mainz.de/fb10-evolutionary-biology/darras-hugo/ Susanne Foitzik foitzik@uni-mainz.de, https://www.blogs.uni-mainz.de/fb10-evolutionary-biology/foitzik-susanne-prof-dr-2/ iDN and iomE, Johannes Gutenberg University Mainz, Germany

Hugo Darras Assistant Professor Johannes Gutenberg University Mainz Hanns-Dieter-Hï¿½sch-Weg 15 55128 Mainz, Germany

“Darras, Dr. Hugo” <hdarras@uni-mainz.de>

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UmeaU MicrobiomeBioinformatics

PhD position in medical science with a specialization in gut microbiota

Department of Clinical Microbiology

UmeÃ¥ University’s Department of Clinical Microbiology is looking for a PhD student within the field of medical science with a focus on bioinformatics. We offer an international, stimulating, and collaborative research environment where your scientific career development is promoted.

The project aims to track strain wide differences within human gut bacteria species across different populations. Our goal is to improve the understanding of adaptive mechanisms employed by different gut bacteria at a high resolution to guide next generation microbiota aided therapies.

Project description

Studying functional potential to assess fitness of human gut bacteria strainsacross populations

The gut microbiota is crucial for maintaining human health, and disease-specific alterations in our gut microbiota are now well-documented across populations. However, the overall composition and relative abundance of specific strains of the human gut microbiota may also naturally fluctuate with diet, geography, lifestyle factors, and age, both within an individual and across different populations. This knowledge is based on studies obtained from large scale shotgun sequencing of the human gut microbiome, only in the last few years.

The candidate will primarily develop and use methods for abundance and prevalence detection of human gut associated bacteria at the strain level. A major task will be to perform large scale shotgun metagenomic analysis (on up to 50000 samples) and to capture the distribution of strains and map their functions across human populations. The candidate/s will define the potential ecological functions and differential fitness with an aim to characterize strain wide differences within several

species of human gut bacteria.

In addition to bioinformatics, the candidate may have the opportunity to work on bacterial isolation from fecal samples, in vitro strain characterization, and high-throughput single-cell studies in the laboratory, depending on the interest.

Keywords: PhD position, Metagenomics, human gut microbiota, shotgun metagenomics, microbiota evolution, microbiome, long read sequencing, Metagenome assembled genomes, strain level metagenomics, high resolution metagenomics

You who are admitted to doctoral studies at the Faculty of Medicine will be part of the faculty-wide doctoral education programme. The doctoral programme comprises 25 credits and is offered in two study variants: 25 credits spread over 8 terms (a total of 4 years) or over 12 terms (a total of 6 years), starting each autumn and spring semester. More information about the programme can be found on the faculty's web page for doctoral studies (Doctoral Studies at the Faculty of Medicine - Handbook (umu.se)).

Eligibility and Qualifications

You must have at least 240 higher education credits (hc), of which at least 60 hc are at an advanced level, in natural sciences, life sciences, or engineering Applicants must be skilled in both oral and written communication in English, able to work independently as well as in collaboration with others, and be highly motivated.

Meritorious

A degree in bioinformatics, computational biology, (bio)statistics, (applied) mathematics, computer science, or a related field; candidates from other fields with strong programming/coding skills (see below) are also encouraged to apply. Proficient in at least one programming language, preferably Python or R. Experience in any of the following areas: large scale sequence analysis, microbial genomics, human gut microbiota research (shotgun metagenomics), Metagenome assembled genome construction, gut microbial genome, and gene database development. Comfortable working in a diverse, inclusive, interdisciplinary, and highly collaborative environment. Ability to navigate UNIX filesystems from the command line, working in conda environment, installation and implementation of packages from github, batch job submissions in clusters Previous coursework or research experience in the biological sciences, microbiology, bacteria isolation and culturing, DNA extraction and library preparation for short and long read sequencing.

Further details

The position is funded (salary) via the SciLifeLab and Wallenberg National Program for Data-Driven Life Science (DDLS; https://www.scilifelab.se/data-driven/), a 12-year initiative aimed at recruiting and training the next generation of data-driven life scientists. In addition to being affiliated with the Department of Clinical Microbiology at UmeÃ¥ University (https://www.umu.se/-en/department-of-clinical-microbiology/), you will be affiliated with the national DDLS program, through which you will have access to computing resources, the national DDLS research school,

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UppsalaU Sweden AdaptationSpeciation

We are now seeking a PhD student in climate-change driven adaptation and speciation within the program Animal Ecology at Uppsala University, Sweden.

Our group combines data from a unique long-term field study with genomic approaches to better understand general mechanisms of adaptation and speciation. We have collected several decades of data from a natural hybrid zone of collared and pied flycatchers located on the Swedish island Ã…land. This PhD project has two main goals. First you will study how allelic variation in identified fitness-traits and changes in genome structure affect adaptive responses to ongoing climate change in pied and collared flycatchers. Second, you will investigate if divergent climate adaptation has played a central role in the divergence of these two species. Long-term phenotypic data (22 years) is already collected and several state-of the art genomic technologies will be used. The PhD student will work together with a supervisor team with complementary skills and will have the opportunity to shape the detailed development of the project together with us. Read more about the team: https://www.uu.se/en/department/ecology-and-genetics/research/animal-ecology/qvarnstrom-lab . The successful candidate will conduct field sampling (monitoring and experiments) but the main aim of the project is to combine information from already existing extensive datasets from this system through e.g. Genome

Wide Association Study (GWAS) methods. As many fitness traits are polygenic and ecological adaptation often relies on coordinated changes in a suite of traits, we will develop methods that take this complexity into account, thereby improving the predictions about future adaptive changes. The role of divergent climate adaptation in speciation will be evaluated by testing if the identified gene networks contain fixed differences between the two species that cause hybrid dysfunction and thereby reproductive isolation. The PhD student is expected to drive the writing and publication of the results in scientific journals. Attendance to local seminar series, participation in advanced relevant PhD courses and international conferences are also expected.

To meet the entry requirements for doctoral studies, you must

§hold a Master's (second-cycle) degree in biology,

§have completed at least 240 credits in higher education with at least 60 credits at Master's level including an independent project worth at least 15 credits, or

§have acquired substantially equivalent knowledge in some other way.

We place high value on personal qualities such as an in-depth interest in evolutionary theory, strong collaborative skills and the ability to tackle analytic problems. Candidates must be able to express themselves fluently in spoken as well as written English and/or Swedish.

Previous experiences with field ornithology and/or bioinformatics are desired but not required. Previous experiences with practical research projects and statistical/mathematical modelling are highly desired.

About the employment The employment is a temporary position according to the Higher Education Ordinance chapter 5 ç7. Scope of employment: full-time. Starting date as agreed. Placement: Uppsala.

Rules governing PhD students are set out in the Higher Education Ordinance chapter 5, çç 1-7 and in Uppsala University's rules and guidelines < https://regler.uu.se/-?languageId=1 >.

For further information about the position, please contact Professor Anna Qvarnström, anna.qvarnstrom@ebc.uu.se, +46 18 471 6406.

Application instructions The application should include 1) a letter describing yourself, your research interests, why you want to pursue a Ph.D., and why you are suitable for the position, 2) your CV, 3) a brief description of your education, 4) a copy of your master's degree and your course grades, along with a copy of your master's thesis, 5) names and contact details of at least two referees (email addresses and phone numbers), and 6) any publications if applicable. The application should be written in English. You are welcome to submit your application no later than 18 March 2025: https://www.uu.se/en/about-uu/join-us/-jobs-and-vacancies/job-details?query=799765 När du har kontakt med oss pÃ¥ Uppsala universitet med e-post sÃ¥ innebär det att vi behandlar dina personuppgifter. För att läsa mer om hur vi gör det kan du läsa här: http://www.uu.se/om-uu/dataskydd-personuppgifter/ E-mailing Uppsala University means that we will process your personal

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USorbonneParisNord AnimEcolPopGenetics

Fully funded PhD position (3 years): Paternities and spatial kinship structure in a population of South African bush Karoo rats

Studies will be carried out at the Laboratoire dEthologie Expérimentale et Comparée (LEEC), Université Sorbonne Paris Nord (Campus Villetaneuse) in France, and for the field work at the Succulent Karoo Research Station in South Africa.

Application procedure: Applicants should send their CV and motivation letter, in one single PDF file, to rodel@univ-paris13.fr by the 15/03/2025. In the CV, the names of two references including their contact details should be provided. Applications after the 15/03/2025 may also be considered until the position is filled. The thesis will start between April and July 2025.

Direction of PhD thesis: Dr. Heiko G. Rödel, Professor. Co-supervision. Dr. Chantal Poteaux, Associate Professor; both are at the Laboratoire dEthologie Expérimentale et Comparée (LEEC), Université Sorbonne Paris Nord, France. Website: http://leec.univ-paris13.fr In collaboration with. Dr. Carsten Schradin, Research Director, and Dr. Lindelani Makuya, postdoctoral researcher; both are at the Institut Pluridisciplinaire Hubert Curien, CNRS Strasbourg, France. Both are board members of the Succulent Karoo Research Station in South Africa. Website: https://-www.stripedmouse.com Context: Male spacing behav-

ior including the spatial patterns of paternities can affect genetic relatedness in different subsets of a population. For example, neighboring matrilines can be closely related when several females have the same father. On the other hand, multiple paternities can decrease relatedness within a matriline. Such effects can shape the spatial kinship dynamics of the entire population (cf. Solmsen et al. 2011; Sommaro et al. 2024), and as such social interactions via kin selection. Field studies exploring such patterns are still scanty, as long-term population studies with individually marked animals are needed.

We propose such a study in the solitary bush Karoo rat (Otomys unisulcatus), using individual-based data collected over seven years at the Succulent Karoo Research Station in South Africa. Bush Karoo rats construct and maintain stick lodges using dry plant material. These are used as refugia, protecting the animals from the harsh ambient environment (Vermeulen and Nel 1988). Adults live solitary in their lodges and aggression among conspecifics is usually low, in particular between closely related neighboring females (Makuya et al. 2024). Further investigations on ecology, reproduction, behavior and physiology of this small rodent are ongoing at this field site since 2018 (e.g., Agnani et al. 2000; Schradin 2005; Wolhuter et al. 2022; Qiu et al. 2024).

Research questions: We (i) aim to investigate seasonal and sex differences in spacing behavior including the timing and possible drivers of male dispersal. Important predictors tested in multifactorial models include population density, age, body mass and features of neighboring conspecifics. Parts of this study will be done by the analysis of existing long-term data, and parts based on data collected by the candidate in the field (details below). Furthermore (ii), using the existing long-term data set, we aim to study how the spatial distribution of paternities within the population, including the potential occurrence of multiple paternities, affects the degree of relatedness among and within matrilines. Therefore, we will explore female natal dispersal via the spatial distribution and distances among stick lodges they inhabit in relation to their matrilines. We predict that information on the spatio-temporal paternity distribution will contribute to explain individual-based and population-level changes in kinship patterns among females over space and time. For the third thesis chapter (iii), the student can develop either a research question focussing on population genetics or on behavioural ecology, depending on the students preferences.

Data collection and available long-term data: As part of the PhD project, the candidate will collect data on male bush Karoo rat spacing behavior at the Succulent Karoo Research Station in South Africa. Furthermore, the candidate will work in France at the LEEC/Université Sorbonne Paris Nord to analyze our existing long-term data set from this bush Karoo rat population. The data set includes individual-based information on life histories including body masses and space use, and tissue samples for genetic analysis from a large number of males and females during seven years of study.

Methods: In the field, at the Succulent Karoo Research Station in South Africa (https://-www.stripedmouse.com), the candidate will trap wild bush Karoo rats from our study population and will equip a sufficiently high

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USussex SnapdragonEcolEvolution

Eco-evolutionary drivers of hybrid fitness in snapdragons

Overview: We are seeking an enthusiastic and motivated PhD student (starting May 2025) to study the ecological and genetic drivers of hybrid fitness in fitness in snapdragons. The position is fully-funded for home students.

The project: Are you fascinated by evolution, ecological processes, and the role that natural selection plays in shaping biodiversity? If so, join a team of international researchers focused on understanding the factors that shape fitness variation in a Snapdragon hybrid zone in the Spanish Pyrenees.

Snapdragons have been a model for studying trait variation since the time of Mendel and Darwin, and their vibrant flower colour patterns provide a rare opportunity to dissect the genetic and ecological processes maintaining species boundaries. In the Pyrenees, two subspecies A. m. pseudomajus (magenta flowers) and A. m. striatum (yellow flowers) come into contact, forming hybrid zones. These striking flower colour differences are controlled by a handful of key genetic loci and are thought to influence pollinator behaviour. Because colour loci segregate and recombine in hybrids individuals, their flower colour varies dramatically from the typical magenta and yellow subspecies. Our past work suggests that selection–probably selection by bee pollinators–is acting to keep two subspecies distinct.

This PhD project will contribute to our genetic, ecological, and evolutionary forces acting on this hybrid zone. Possible research avenues are up for discussion, but could include field experiments on pollinator behavior, genomic analyses of color-pattern loci, phenotypic analysis, and modeling evolutionary dynamics in hybrid populations. The project will take advantage of more than 15 years of data, and may combine molecular techniques, ecological fieldwork, and bioinformatics, offering training in a broad range of cutting-edge research skills.

Our team: You will work in the Speciation Research Group (https://www.speciationgroup.org/) led by Dr Sean Stankowski in the Ecology and Evolution department at the University of Sussex, Brighton. There will be ample opportunity to collaborate and/or share findings with other scientists from the broader snapdragon community, including Nick Barton (IST Austria), and David Field (Macquarie University), Frank Chan (Groningen), and Enrico Coen (John Innes Centre). You will also benefit from other research groups within the Department of Ecology and Evolution who study evolution (Adam Eyre-Walker), and plant pollinator interactions (Beth Nicholas and Maria Clara Castellanos)

How to apply: Application deadline: 31st of March, but applications will be considered as soon as they are received. The position will start in May 2025

Please submit a formal application through the online admissions portal < http://www.sussex.ac.uk/study/-phd/apply > attaching a CV, degree transcripts and certificates, statement of interest and two academic references.

On the application system select Programme of Study - PhD Biology. Please ensure you state the project title under funding and include the proposed supervisor's name where required.

Applications are particularly welcomed from candidates with protected characteristics - e.g., from Black and other ethnic minorities - who are under-represented in postgraduate research at our institution.

Interested are encouraged to make an informal enquiry with Sean Stankowski at s.stankowski@sussex.ac.uk

For enquiries about the formal application process, please email Emma Chorley: lifesci-rec@sussex.ac.uk

Funding details: This fully-funded position, starting May 2025, covers Home (UK) tuition fees and a stipend at standard UKRI rates for 3.5 years. Applicants with overseas fee status need to provide evidence showing how they will fund the difference between Home and International tuition fees (approx. 18k per year).

Ideal candidates will have some experience working in the field, conducting data anlaysis in R or python, experience working with genetic data or genomic datasets, and will be excited about the subject area. Eligible applicants will hold a 2:1 BSc in a relevant subject. Candidates for whom English is not their first language will require an IELTS score of 6.5 overall, with not less than 6.0 in any section.

Further reading: https://www.pnas.org/doi/-10.1073/pnas.1801832115 Sean Stankowski <S.Stankowski@sussex.ac.uk>

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VetMedUni Vienna PopGen

PhD positions in Population Genetics

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:

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

Only complete applications (application form, CV, motivation letter, university certificates, indication of the two preferred topics in a single pdf) received by March 14, 2025 will be considered. Two letters of recommendation need to be sent directly by the referees.

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

All information about the about available topics, the

training program and the application procedure can be found at www.popgen-vienna.at Carina Baskett

Coordinator, Joint Research Program (SFB)– Polygenic Adaptation Coordinator, Vienna Graduate School of Population Genetics she/her/hers

carina.baskett@vetmeduni.ac.at

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

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Jobs

ArizonaStateU VertebrateCollectionManager

Hi all,

The School of Life Sciences at Arizona State University is seeking a full-time Research Specialist who will serve as the Vertebrate Collections Manager for the ASU Natural History Collections (ASUNHC). The position is part of a dynamic, collaborative biocollections and biodiversity data science group of faculty, staff, students, volunteers, and other researchers. The ASUNHC is co-located with the National Ecological Observatory Network (NEON) Biorepository (https://www.neonscience.org/data-samples) in a unified 28,000 sq. ft. facility, collectively referred to as the ASU Biocollections. The facility is ca. 2 miles southwest of the main ASU Tempe Campus, and forms part of ASU's Biodiversity Knowledge Integration Center (BioKIC).

See job posting for more details:

Research Specialist - Vertebrate Collections Manager < https://asu.wd1.myworkdayjobs.com/-ASUStaffCareers/job/Off-Campus-MesaTempe/-Research-Specialist—Vertebrate-Collections-Manager_JR102301 >

Chandra Earl, Ph.D.

Biodiversity Informatician

National Ecological Observatory Network (NEON)

Biorepository, Arizona State University

Treasurer, Biodiversity Information Standards (TDWG)

*c: *904-699-8280

*email: *chandra.earl@asu.edu

Chandra Earl <chandraearl@gmail.com>

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FortHaysStateU Kansas TeachingEvolutionaryPhysiology

My department is hiring a tenure-track assistant professor. Please note that we welcome applicants from a wide range of specialties, as long as they meet the minimum teaching qualifications.

https://fhsu.wd1.myworkdayjobs.com/en-US/-CAREERS/job/FHSU-Main-Campus-Hays-Kansas/-Assistant-Professor–Department-of-Biological-Sciences_R-04516 Job Posting TitleAssistant Professor, Department of Biological Sciences

Job Description

The Department of Biological Sciences is seeking applicants for a nine-month, tenure-track faculty position to start Fall 2025.

The ideal candidate will have a broad background in physiology and actively contribute to ensuring our students develop a comprehensive and integrative foundation in biology. The core teaching assignment for this position is Anatomy and Physiology courses for biology and allied health majors, and Introductory Biology courses for majors and non-majors. In addition to the core teaching responsibilities, the successful candidate will have the opportunity to develop and teach courses in their area of specialty that complement our current offerings and fulfill departmental needs. Individuals with discipline-based education research and/or assessment experience are encouraged to apply. The typical teaching load for this position is 12 credit hours during each of the spring and fall semesters. While most biology courses are offered in-person this position may also involve teaching courses and labs online. Candidates must have a strong desire to teach undergraduate and graduate courses, mentor undergraduate and M.S. graduate research, and contribute to departmental and university service. There will also be opportunities to develop outreach and community engagement activities. FHSU and the Department of Biological Sciences are committed to building an environment that is inclusive of our students and state.

APPLICATION PROCESS: To apply for this position, please visit FHSU Careers < http://-fhsu.wd1.myworkdayjobs.com/CAREERS >. Only electronic applications submitted through the webpage will be accepted.

Qualified candidates must submit a single PDF that includes the following.

- A cover letter highlighting the candidate's qualifications to teach the core courses listed in the job description and mentor undergraduate and graduate research. - A CV listing teaching, scholarship, mentoring, and service experiences. - Contact information for three professional references.

MINIMUM QUALIFICATIONS:

- Ph.D. in biology or a closely related field. Candidates who are ABD will be considered. - Evidence that the candidate can teach Anatomy and Physiology and Introductory Biology courses to majors and non-majors.

PREFERRED QUALIFICATIONS:

- Evidence of teaching (lecture and/or lab) effectiveness in higher education. Teaching assistant experience is acceptable. - Proficiency with online learning tools and resources. - Evidence of potential for a sustained research program. - Positive experiences mentoring undergraduate and graduate students from diverse backgrounds. - Demonstrated active engagement in professional development. - Evidence of contributions to the development of course and program assessments.

RANK: Assistant Professor

APPOINTMENT DATE: August 2025

APPLICATION DEADLINE: Screening of applications will begin March 11, 2025 and will continue until the position is filled. To guarantee full consideration, applicants should apply by March 10, 2025.

BENEFITS: To review out competitive benefit package, please visit FHSU Benefits < http://www.fhsu.edu/-humanresourceoffice/Current-Employees/benefits >.

RESPONSIBILITIES:

- Teaching lecture and lab classes in biology (online and in-person) - Student success coaching - Mentoring undergraduate and graduate research students - Departmental service - Scholarly research

If you have questions regarding the position, please contact:

Name: Michael Gruenstaeudl

Email: m_gruenstaeudl@fhsu.edu

Phone: 785-628-5264

Lorelei E. Patrick, PhD she/her

Assistant Professor, Department of Biological Sciences Associate Curator of Mammals, Sternberg Museum of Natural History Fort Hays State University Hays, KS

loreleipatrick@gmail.com

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GeorgeWashingtonU ComputationalBiol

We are looking for an investigator who is using or developing bioinformatics and computational approaches to study areas of biomedical sciences that intersect with fundamental processes in biology such as (but not limited to) evolutionary genomics, molecular epidemiology, molecular microbiology and pathogen biology, systems biology, and emerging omics. The successful candidate will establish an externally funded research program comprising graduate and undergraduate students. In addition, we are interested in candidates who are using AI and machine learning in their research or may be able to integrate these themes in their upper division course. Office and dry laboratory space will be located in Bell Hall, with access to state of the art facilities for high-performance computing (*https://hpc.gwu.edu*), the GW Computational Biology Institute (*https://cbi.gwu.edu*), the GW Genomics Core (*https://www.gwgenomics.org*), the GW Cancer Center (*https://cancercenter.gwu.edu*), and proximity to colleagues in the Health Sciences departments at GW. Our location in Washington DC also offers access to superior undergraduate and graduate learning opportunities, potential collaborations, and expertise through relationships with nearby hospitals, the National Institutes of Health, federal agencies, and a consortium of DC-area universities. The Biology faculty and their research interests are available here: *https://biology.columbian.gwu.edu* For application details, see https://www.gwu.jobs/postings/-117777 . *Dr. Linyi Zhang* Assistant professor, Department of Biological Sciences George Washington University https://zhanglabgwu.weebly.com/ "Zhang, Linyi" <linyi.zhang@email.gwu.edu>

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Jena Germany InvertebrateEvolution

At the Faculty of Biological Sciences of Friedrich Schiller University Jena, Germany a W2 Professorship for Integrative Zoology of Invertebrates is to be filled beginning 1 October 2025.

The professorship is based at the Institute for Zoology and Evolutionary Research, whose expertise and mission encompass comprehensive representation of the field of zoology in organismal research and teaching. We are looking for a researcher (f/d/m) with a proven track record of excellent scientific achievements who applies a wide range of methods in the field of organismic zoology of invertebrates. The successful candidate will particularly represent the field of invertebrate zoology and enrich the institute with new research approaches, methods and analytical techniques. The research will focus on organismal questions in the areas of functional morphology or phylogeny and systematics, as well as the evolutionary adaptation of animals to their environment. These questions should be answered comprehensively in an interdisciplinary and integrative manner, e.g., by combining molecular and classical methods. Collaborations to strengthen the faculty's existing research priorities (e.g. microbial communication, biodiversity, aging research), a proven active acquisition of third-party funding and leadership skills are expected. The holder of the position will represent the field of zoology and evolutionary biology in the B. Sc. and M. Sc. courses of the Faculty's biology programs taught in German and English, respectively, as well as in the teacher training courses and the B. Sc. program in Nutritional Sciences.

To be eligible for the position, candidates must have a completed university degree, excellent pedagogical aptitude, a particular aptitude for academic work, which is typically demonstrated by an outstanding doctoral degree as well as a Habilitation or equivalent academic achievements.

Appointment as a professor shall be for life as a civil servant, provided that the legal requirements are met.

Friedrich Schiller University Jena is committed to increasing the number of women in research and teaching. Therefore, the University actively encourages qualified female scientists to apply. Applicants with disabilities will be given preference to other candidates with equal

qualifications.

Applications in German or English with the usual documents such as CV, research concept (2 pages) and teaching concept (1 page), acquisition of third-party funding, list of publications and teaching evaluations, copies of certificates are to be submitted via the University's appointment portal

http://www.berufungsportal.uni-jena.de no later than 3 March 2025.

They should be addressed to the Dean of the Faculty of Biological Sciences, Professor Dr. Lars-Oliver Klotz (dekanbio@uni-jena.de).

For questions about the position and the procedure, please contact Professor Dr. Andreas Hejnol (andreas.hejnol@uni-jena.de).

Andreas Hejnol <andreas.hejnol@uni-jena.de>

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NHMDenmark UCopenhagen LabManager Museomics

Full-time Molecular Biology Lab Manager at Natural History Museum Denmark

Natural History Museum Denmark, Faculty of Science, the University of Copenhagen is looking for a full-time Molecular Biology Lab Manager, to start 1st June 2025 or as soon as possible thereafter. The candidate will be instrumental in helping us to build and run our new National Facility for Museomics.

We offer a professionally challenging job in an exciting environment in a workplace that is constantly evolving. We are committed colleagues who emphasise quality, professionalism, and dynamism in the work we do.

NHMD is the national museum for nature and contains more than 14 million objects of preserved animals, plants, fossils and minerals. We are currently building a new Danish national museum for nature. One big museum site in the Botanical Garden in the centre of Copenhagen will host state-of-the-art laboratories, outstanding research, new public galleries, and combined facilities for programming, education, and citizen science.

As part of this, we are building a new National Facility for Museomics, comprising separate labs for straightforward and challenging historical/archival samples. In this role, you will interact closely with researchers both from the Museum and visitors, students, and other users, to coordinate activities relating to the laboratories from everyday lab management to providing training and technical support in museomics protocols. You will play a pivotal role in developing our infrastructure and capacity in this emerging area of research.

Tasks

Establishment, management, and day-to-day running of the National Facility for Museomics at the Natural History Museum Denmark.

Your tasks will include: - Organise and assist in procurement, installation, and maintenance of equipment, and in the planning of laboratory establishment and renovations. - Introduce, instruct, and train new laboratory users (Good Laboratory Practices, safety and other required practices, museomics and other protocols). - Support the development of novel protocols for museomics and assist lab users in their implementation. - Ensure efficient organisation and use of laboratory space and equipment. - Ensure compliance with safety laws and legal standards. - Handle day-to-day procurement of consumables and invoices. - Coordinate, build, and improve common laboratory tasks and workflows. - Actively contribute to the Museum's effort to make the laboratories more sustainable through the Laboratory Efficiency Assessment Framework (LEAF).

We require - MSc degree or higher in Natural Sciences, Biomedical Sciences, or similar, or training as a Laboratory Scientist or Laboratory Technician. - Three or more years of experience with laboratory work (in either a technical or research capacity). - Experience in organising and optimising laboratory facilities. - Experience with administrative aspects of Good Laboratory Practice (GLP) and occupational health and safety regulations. - Good written and verbal communication skills in English. - The ability to work in a structured and organised manner and to prioritise your own tasks. - Good IT skills - especially within the use of Microsoft Office 365 programs. - Hands-on experience in museomics, ancient DNA, or similar elevated biosecurity labs would be desirable.

Personal qualifications - Strong organisational skills - Pro-active and solution-oriented - Able to handle many different tasks at the same time

About us The vision of the Natural History Museum Denmark is to empower citizens to connect with nature. We want to inspire, engage, and enable people to enjoy, understand, and care for the diversity of the natural world. We are building a new Danish national museum

for the natural world. Over the next few years, the museum will change the way people think about and use natural history museums. We are working on multiple intersecting projects to achieve this, as well as operating the existing museum venues that are open to the public with an exciting program of exhibitions and events.

Our scientists are world-leaders in their respective fields from biodiversity discovery to addressing the global challenges of today. Our research is founded upon natural history collections of all kinds, including the 14 million objects in our botanical, zoological, and geological collections, collected from the 1600s to the present day.

Terms of salary and employment The employment and salary is made in accordance with the Collective Agreement between the Danish Ministry of Taxation and the Organisations of Public Employees - governmental institutions (the OAO-S collective agreement) and the Professional Agreement for clerical employees, laboratory technicians and IT-officers in the state.

Employment will be as academic employee. The salary is based on seniority. Negotiation for salary supplement is possible. The working time are 37 hours per week on average. The working hours are flexible.

— / —

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

PennsylvaniaStateU EvolSymbioses

Researchers in Molecular Biology of Phage-Bacteria-Animal Symbioses

JOB DESCRIPTION

Hard problems, meaningful work. We are seeking strong molecular (micro)biologists, entomologists, evolutionary geneticists, cell biologists, and/or symbiosis enthusiasts. Researchers (non-tenure track, research faculty) will have the important role to decipher the reproductive manipulation tactics of Wolbachia bacteria and phage genes associated with sex ratio changes in Drosophila and vector/pest applications. The researcher should possess a M.S./PhD degree or their equivalent. Enjoy a vibrant university town with access to a thriving outdoor recreation and academic scene.

APPLICATION INSTRUCTIONS

Applications must be submitted electronically at the link below. Start data is asap. A complete application should include in a single pdf containing the following materials: (i) a cover letter summarizing relevant experience and reasons for interest in the job (ii) a CV that includes contact information for at least three references (name, position, telephone number, and e-mail address) (iii) full length and first-authored documents of research spanning papers, reports, posters, and presentations. Link: https://psu.wd1.myworkdayjobs.com/en-US/PSU_Academic/job/Researcher—Bordenstein-Lab_REQ_0000064308-1

RESPONSIBILITIES

The Researcher position will focus on the use of Drosophila transgenic expression, genetic editing techniques such as RNAi or knockout mutants, fitness assays, reproductive tissue dissections, fluorescent and electron microscopy, microinjections, frequent and large experimental setups with flies, and team management to understand the genetics and mechanisms of how endosymbiotic bacteria (Wolbachia) modify reproduction in Drosophila melanogaster. Studies in microbiome projects may also be a part of the work. Candidates with an interest and background in entomology, transgenics, proteomics, molecular biology, biochemistry, phage biology, evolution, microbiomes, and gene expression are highly encouraged to apply.

PENN STATE & THE ONE HEALTH MICROBIOME CENTER

Penn State is a Land, Sea, Space, and Sun Grant University located within the beautiful Appalachian mountains of central Pennsylvania. Penn State ranks No. 1 in the Big Ten and No. 2 among all U.S. public universities in the 2025 QS World Universities Rankings for sustainability, as well as No. 4 in the U.S. in the Times High Education University Impact Rankings. Penn State has eight interdisciplinary research institutes dedicated to unsiloing departments and colleges and catalyzing life sciences research from graduate education to 11 biotechnology core facilities (e.g., genomics, metabolomics, proteomics, cell culture, microscopy, fermentation) and 34 research centers - including the One Health Microbiome Center. The One Health Microbiome Center (OHMC) is an internationally-awarded center for global impact in microbiology, with a broad interdisciplinary portfolio of microbiome research, education, and outreach. The town of State College and the surrounding communities are home to approximately 100,000 people, including over 45,000 students. The nature-filled area is popular for its mountains, parks, streams, superb sports, and recreational opportunities. State College has an excellent school system and offers many cultural events year round.

Seth Bordenstein, Ph.D.

Dorothy Foehr Huck and J. Lloyd Huck Endowed Chair in Microbiome Sciences

Professor of Biology and Entomology

Director of the One Health Microbiome Center

Pennsylvania State University

“Bordenstein, Seth” <srb6251@psu.edu>

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Quito Ecuador BiodiversityResearcher

Biodiversity Researcher

The Pontifical Catholic University of Ecuador (PUCE), a leading research institution in Latin America, is located in Quito. Within PUCE, the Zoological Museum (QCAZ) and the Center for Research on Health in Latin America (CISeAL) are key research partners. The Leibniz Institute for the Analysis of Biodiversity Change (LIB) is one of the globally connected research institutions of the Leibniz Association in Germany, with major museums in Bonn and Hamburg. In addition to excellent research on biodiversity and biodiversity change, both institutions are advancing the development of scientific collections as international partners and developing new research avenues with state-of-the-art technology.

About the Position PUCE, in cooperation with the LIB, is seeking a full-time Biodiversity Researcher to lead the:

Ecuadorian-German Integrative Biodiversity Research Center (EGiB) in Quito, Ecuador

The EGiB Center will foster collaboration between biodiversity researchers in Ecuador and Germany, providing researchers with access to scientific infrastructure, including collections, cryo-biobanks for tissue samples, DNA, animal toxins, as well as morphology and molecular laboratories. The Center also aims to enhance research output and increase third-party funding through strategic partnerships. This position is funded for three years (2025-2027) by the German Federal Ministry of Education and Research, with the possibility of extension.

Key Responsibilities - Lead the establishment and management of EGiB - Set-up and manage access to molecular and morphology laboratories - Assist researchers with permit applications - Organize field expeditions, conferences, workshops, and symposiums - Contribute to teaching biodiversity research at PUCE - Foster collaborations within PUCE-LIB and with external partners - Secure third-party research funding - Promote science communication and outreach activities (e.g., bioblitz events, social media visibility) - Coordinate projects and assess their impact - Promote internal teamwork at PUCE-LIB and external collaborations

Candidate Profile - PhD in Zoology, Biodiversity, or related fields - Expertise in at least one of the following fields: - Taxonomic or systematic research (advanced morphological and/or molecular methods, collection-based research) - Ecology or evolutionary research

Experience & Skills - Strong background in biodiversity research - Experience with natural history collections and scientific biobank management - Knowledge of environmental regulations and research permits processes - Ability to design and execute research projects - Proficiency in bioinformatics tools and statistical software - Strong publication record - Excellent organizational, leadership, and communication skills - Fluency in Spanish and English (spoken and written)

Commitment to Diversity The PUCE-LIB collaboration is committed to diversity and gender equity. We aim to increase the representation of women in underrepresented areas and actively support their career development. Therefore, we strongly encourage women with relevant qualifications to apply.

Position Details Start Date: April 2025 Contract Duration: 3 years, with the possibility of extension Employment handled by: PUCE

Application Instructions Submit the following application materials in English: - CV - Certificates - List of publications and funding - Motivation letter

How to Apply Applications should be sent to egibapplications@puce.edu.ec no later than March 15, 2025. Interviews will be conducted in English.

Contact for information in Germany: Prof. Dr. Bernhard Hausdorf, Leibniz Institute for the Analysis of Biodiversity Change, Hamburg Tel. +49 40 238 317 617; Email: B.Hausdorf@leibniz-lib.de

Stiftung Leibniz-Institut zur Analyse des Biodiversit?tswandels Postanschrift: Adenauerallee 127, 53113 Bonn, Germany

Stiftung des ?ffentlichen Rechts; Generaldirektion: Prof. Dr. Bernhard Misof (Generaldirektor), Adrian Gr?ter (Kaufm. Gesch?ftsf?hrer) Sitz der Stiftung: Adenauer-

allee 160 in Bonn Vorsitzender des Stiftungsrates: Dr. Michael Wappelhorst

Bernhard Hausdorf <B.Hausdorf@leibniz-lib.de>

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RollinsC Florida MarineBiology

https://jobs.rollins.edu/en-us/job/493744/visiting-assistant-professor-marine-biology The Department of Biology at Rollins College invites applications for a one year Visiting Assistant Professor position with expertise in marine molecular ecology, beginning August 2025 and continuing until May of 2026. The successful candidate must demonstrate a commitment to teaching excellence both in the classroom and in the field. Teaching responsibilities will include our general biology series for majors, a genetics course for majors, and marine biology courses for majors. A Ph.D. in marine biology or the biological sciences with expertise in marine biology and molecular/genetic analysis is required and post-doctoral experience is preferred.

Through its mission, Rollins College is firmly committed to creating a just community that embraces diversity and inclusion; persons from historically under-represented minority groups are encouraged to apply. All candidates should be prepared to address how they can incorporate diverse identities and viewpoints through their teaching and/or scholarship.

Rollins College is a comprehensive liberal arts college located just north of Orlando, FL, a diverse metropolitan community with a thriving economic and cultural scene. Nearby Orlando International Airport provides easy access to U.S. and international destinations. The college emphasizes innovative and quality teaching in small classes and ranks number one among 121 Southern master's-level universities in the annual rankings of "America's Best Colleges," released by U.S. News & World Report. Please visit the college website at www.rollins.edu . Minimum Qualifications:

* A Ph.D. in marine biology or the biological sciences with expertise in marine biology and molecular/genetic analysis. * Commitment to undergraduate teaching excellence and to our liberal arts mission. * Verifiable teaching experience. * Ability to contribute to, help foster and sustain a diverse and inclusive learning and working environment at Rollins. * Post-doctoral experience is preferred.

Interested applicants must apply online via the College's employment website and upload the following materials as follows:

* Letter of interest * Curriculum vita * Statement of teaching philosophy with emphasis on a commitment and desire to teach undergraduates * Contact information for three references on application

Review of applications will begin February 17, 2025, and continue until the position is filled.

Questions about this position may be directed to: Dr. Jay Pieczynski Search Committee Chair jpieczynski@rollins.edu

Pamela M. Brannock, PhD

Associate Professor

Department of Biology

Rollins College

Bush 118B

(407)646-2290

Pamela Brannock <PBRANNOCK@Rollins.edu>

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SMBE SocialMediaEditor Parttime

Job Title: SMBE, MBE and GBE Social Media Editor

Location: remote

Employment type: Part Time (0.5 FTE)

Salary: $40,000 yearly

About Us

The Society for Molecular Biology and Evolution (SMBE) is an international, non-profit, scientific organization whose goals include: furthering the science of molecular evolution for both scientific practitioners and educators; and fostering communication among molecular evolutionists. In order to accomplish these goals, the Society publishes two peer-reviewed journals, Molecular Biology and Evolution and Genome Biology and Evolution. The Society also sponsors an annual meeting, as well as smaller satellite meetings or workshop on important, focused, and timely topics.

Job Overview

We???re seeking a dynamic and creative Social Media Editor to represent SMBE and its journals. The successful applicant will join our editorial teams, which encompass four Editor in Chiefs (two EiCs for each journal) and other editorial staff. The social media editor will also interact with the support group at Oxford University Press, which publishes the journals. In this role, the successful applicant will be responsible for identifying content of special interest, crafting ???highlights??? that are written for a broad audience, supervising a Fellows program, managing our social media channels and email accounts, and creating original posts. Your work will amplify SMBE???s global impact, showcasing our scientific disciplines on the international stage and highlighting the groundbreaking discoveries emerging from our research. The position is initially funded for one year.

Key Responsibilities

Postproduction & Email accounts

- Manage post production oversight and the email accounts for MBE and GBE

Journal Highlights

- Identify (with EiCs) articles of interest to prioritize for promotions

- Write highlights for GBE and MBE. (See example of highlights on the journals websites)

- Interact with OUP, particularly to get key articles covered by the OUP blog

Press releases and about Highlights

- Manage the Fellows program with two EiCs

- Run an annual session to Fellows about tips for writing Highlights

- Help Fellows select papers for Highlights, provide feedback on their writing

Social Media

- Supervise the SMBE social media effort, including social media accounts and website

- Manage the social media accounts, including a new presence on BlueSky for both journals

- Create original posts for the social media accounts

- Retweet/share relevant/interesting content

- Track social media that specifically mentions SMBE and the journals.

- Produce and run ad campaigns on Twitter/X, Bluesky, Facebook, and Instagram

- Produce annual Social Media reports for the SMBE and its journals

- Participate to the annual conference and manage social media during the conference

Qualifications

- at least an M.S. in Biology, preferably Evolutionary Biology.

- Excellent communication and writing skills

- Ability to meet deadlines in a fast-pace publishing environment

- Ability to work with a team

- Proven experience in managing social media tools and accounts

- Strong understanding of social media platforms and scientific publishing system

- Basic graphic design is a plus

How to Apply

Submit your resume, a cover letter, and links to social media accounts, websites you???ve managed or a portfolio of your work here (link below). Review of applications will begin at the end of February.

Equal Opportunity

SMBE is an equal opportunity employer and values diversity. We encourage individuals of all backgrounds to apply.

Link: https://docs.google.com/forms/-d/e/1FAIpQLSfqxwQVnRUPYQ1oDy-QdtCzSpjOfk7PGu8QuHlBY1YVbyxtFg/-viewform?usp=dialog Brandon Stuart Gaut <bgaut@uci.edu>

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SNSB MunichGermany GenomicsDataAnalyst

The Natural History Collections of the Bavarian State (SNSB) is among the oldest and largest research collections in the world, comprising natural history collections from the fields of zoology, botany, geology, palaeontology, mineralogy, anthropology and palaeoanatomy - including the living collections of the Botanical Garden. Around 280 employees archive and conduct research on around 32 million collection items. The SNSB's

collection, research and knowledge transfer activities focus on geo- and biosphere change, with a particular emphasis on alpine systems through time and space. By our national and international research efforts, we contribute significantly to a deeper understanding of geo- and biodiversity and the impacts of human activity on the Earth's ecosystem. The Genomics Core Facility supports the SNSB working groups in all aspects of their scientific research relating to genomics. As a project partner, it carries out the necessary laboratory work and bioinformatic analysis, acts as a focal point for genomics at the SNSB and monitors and evaluates the development of new methods.

TASKS:

* Design, implementation and application of analysis pipelines for the evaluation of genomic and transcriptomic datasets * Quality control of data, phylogenomic analyses * Assembly and annotation of reference genomes of non-model organisms (plant and animal) at scaffold or chromosome level, comparative analyses with genomes of closely related species * Development of workflows and tools for sequence data analysis, possibly using container technologies (Docker, Singularity) and workflow engines (Nextflow, Snakemake), including the training of SNSB researchers in their application * Biological analysis and preparation of results * Documentation in electronic format (Benchling, etc.); assist in publication writing * Establishment and further development of new methods and technologies

REQUIRED QUALIFICATIONS:

* University degree and doctorate in the field of life sciences with a focus on bioinformatics and/or systematics * Experience with next generation sequencing technologies (Illumina, PacBio, Oxford Nanopore) and the analysis of genomic raw data, especially in the context of whole genome assembly * Knowledge of Linux/Unix and programming in the common scripting languages (R, Python, BASH and/or others) * Written and spoken German skills are desired, but not required * Enjoy problem-solving and optimizing analysis workflows in various server and work environments * Strong teamwork and organizational skills, and diligence when working on different projects in parallel * Willingness to undergo continuous further training

WE OFFER:

* A future-oriented, responsible and varied function using a variety of modern working techniques and technologies in a scientific environment that is constantly evolving * An interesting and varied job in the public sector, as well as all the benefits of working for the Free State of Bavaria * A stimulating and diverse interdisciplinary working environment with various collaborations with the research groups and museum institutions of the SNSB and LMU * A job in Munich, one of the most attractive cities in Germany, with a particularly high quality of life * Remuneration in accordance with the collective agreement of the federal states (TV-L E13)

TO APPLY:

The position is full-time and initially limited until 31.12.2025 We look forward to receiving your informative and complete application documents with cover letter, CV and certificates by 15.03.2025 at the latest at personal@snsb.de. If you have any questions about the details of the position, please contact Dr. Agnes Scheunert (scheunert@snsb.de) or Prof. Dr. Gudrun Kadereit (G.Kadereit@snsb.de). For questions about the procedure or application process, please contact Ms. Susann Windisch (personal@snsb.de).

Severely disabled applicants will be given preference if their qualification is otherwise essentially equal. In order to achieve equality between women and men, there is a particular interest in applications from women.

Please note that application documents will be destroyed and not returned once the procedure has been completed.

"Scheunert, Agnes" <scheunert@snsb.de>

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TrierU Germany Two ClimateAdaptation

Trier University's Faculty VI: Regional and Environmental Sciences is seeking to fill the following position in the field of Plant Ecology as soon as possible on a permanent civil service basis:

W3 Professorship for Plant Ecology (LBesG) (m/w/d)

The person holding the position must represent the area specified above in their research and teaching.

A research focus in the area of "Ecosystems in Global Change" is currently being established at Trier University. In this context, scientists are sought who have demonstrated research and teaching in the field of plant ecology. Suitable candidates shall have a strong track record in publication and research activities, teaching experience, experience in academic self-administration,

and successful acquisition of third-party funding.

In close cooperation with the Biological and Geoscientific subjects of Faculty VI, you would be expected to research ecological or evolutionary patterns and drivers of ecosystem change in the face of global change. The research focus should be on the ecological or evolutionary response of plants or plant communities to environmental stress. Desired research areas could, for example, be interaction ecology, stress research, community ecology, macroecology, evolutionary adaptation, phylogenomics or evolutionary ecology. Ideas for future collaboration with the German Federal Environmental Specimen Bank and for using the professorship's experimental greenhouse in research are also desirable.

The teaching load in the subject of Plant Ecology will focus on the bachelor's and master's degree programs in environmental biosciences and environmental sciences, and in the teacher training programs in biology. Teaching should cover topics on plant biodiversity in the face of global change. A basic knowledge of native plant species is also desired.

The official duties are detailed in Section 48, and the conditions for employment in Section 49, of the Higher Education Act. In particular, pedagogical aptitude and outstanding academic achievements must be demonstrated. Reference is made to Section 50, Paragraph 5, Sentences 5 and 6 of the Higher Education Act.

The state of Rhineland-Palatinate and Trier University have a support concept that requires a high level of teacher presence on campus. The University strives to increase the number of female employees and strongly encourages women to apply. Severely disabled people and those with equivalent status according to Section 2 Paragraph 3 of the Social Code Book IX will be given priority if they are suitable (please enclose proof).

We ask that you send your application documents [CV, certificates, list of publications, list of courses and teaching evaluations, the five most important publications and a research and teaching concept (maximum 2 pages each)] in digital form (in a single PDF file) to the Dean of Faculty VI of Trier University, Prof. Dr. Udelhoven (bewerbungfb6@uni-trier.de), 54286 Trier, by March 31, 2025. For questions regarding the position, please approach Prof. Dr. Henrik Krehenwinkel (krehenwinkel@uni-trier.de)

Trier University's Faculty VI: Regional and Environmental Sciences is seeking to fill the following position in the field of Microbial Ecology as soon as possible on a temporary civil service basis:

W1 Professorship with Tenure Track to W2 for Microbial Ecology (LBesG) (m/w/d)

If the requirements for civil service status are not met, hiring as a regular employee may be possible. The person holding the position must represent the area specified in their research and teaching. This junior professorship is aimed at young researchers in an early career phase and with exceptional potential for a further career in science.

A research focus in the area of "Ecosystems in Global Change" is currently being established at Trier University. In this context, young scientists are sought who have proven themselves through research in microbial ecology and who can represent the field in its entirety. Expertise in the functional characterization of microbial communities using metagenomics and metatranscriptomics, and/or in the interaction ecology of microorganisms with animals or plants, or the evolutionary responses of microbes to environmental change are particularly desired.

Your tasks include setting up a working group in the above-mentioned area. In close cooperation with the Biological and Geoscientific subjects of Faculty VI, you would be expected to research ecological or evolutionary responses of microbial communities in the face of global change. Ideas for future cooperation with the German Federal Environmental Specimen Bank are also expected.

Teaching is required in the Bachelor's and Master's degree programs in Environmental Biosciences and in the Biology Teacher Training programs. Research expertise must be demonstrated by visible publication and research activity. Teaching experience and experience in acquiring third-party funding are desirable.

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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

UAlabama Birmingham LabResTech PrimateGenomics

Dear colleagues,

I'm hiring a laboratory research technician / coordinator to work in my lab the Primatology Alabama (PrimAL) lab at the University of Alabama at Birmingham. Here is a link to the job posting: https://uab.taleo.net/-

careersection/ext/jobdetail.ftl?job=T224585 I am hoping to find a good person with a minimum of an undergraduate degree with experience in genetics, next-gen sequencing, or other molecular biology labwork. The position would be well-suited for a recent graduate who is interested in gaining expertise in functional genomics and aging research before going to grad school.

Located in the UAB Department of Biology, the PrimAL Lab studies the intersection of sociality, ecology, genomics, and health in primates. The PrimAL Lab is interested in the biological and evolutionary underpinnings of health and aging, focusing on (1) how social experiences and other environmental stimuli influence health disparities by altering physiology, physiology, and aging; and (2) how population dynamics and natural selection influence physiology and health. More information is available on our website: https://primallab.org
Best,

Kenny

Kenneth L. Chiou | AssistantProfessor

Department of Biology

UAB |The University of Alabama at Birmingham

ESH 3128 | 902 14th St S | Birmingham, AL 35205

P: 205.934.8335 | kchiou@uab.edu

Pronouns: he/him/his

kennychiou.com(personal homepage) | primallab.org(lab homepage)

"Chiou, Kenneth" <kchiou@uab.edu>

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UBern Two EvolutionaryBiology

Tenure-Track Assistant Professor for Conservation Biology (80-100%)

The Department of Biology at the University of Bern announces a vacancy for a Tenure-Track Assistant Professor to lead the Division of Conservation Biology within the Institute of Ecology and Evolution (IEE). Applications are sought from individuals with an outstanding research record in Conservation Biology. We are searching for candidates whose research contributes to managing, preserving, and restoring biodiversity. Candidates with a strong conceptual and empirical research program at the interface of applied and basic research are particularly encouraged to apply.

The candidate should have a PhD degree in a relevant field, postdoctoral and teaching experience, and a keen interest in establishing an active, proliferative research group, in teaching and mentoring, in fostering a diverse and inclusive work environment, and in collaborating with other researchers of our institute and beyond. The new faculty member will have the responsibility to develop and teach courses related to their field at the undergraduate and graduate levels. All graduate teaching and advanced undergraduate teaching is in English.

The advertised position includes the entire professor's salary at 80-100% employment level, a starting package, and continual core funding for personnel and consumables. The University of Bern has a clear set of guidelines for promotion to tenure after four to six years in the position.

Hosting a vibrant and interdisciplinary research community, the IEE is one of three institutes of the Department of Biology at the University of Bern and is primarily involved in three MSc Programs (Ecology and Evolution, Bioinformatics and Computational Biology, and Climate Science). The research and teaching strategy of the Department of Biology is to contribute to the understanding of mechanisms, processes, and patterns at all levels of biological organization, from genes to ecosystems, and to provide evidence-based guidance for the conservation of biodiversity. The IEE currently has seven divisions, each led by a professor, and it hosts several tenured and non-tenured group leaders and a large international community of post-doctoral researchers and graduate students. With the retirement of two Division Heads, the institute intends to hire two new Tenure-Track Assistant Professors, one being in the area of Conservation Biology.

The successful candidate should take advantage of the collaborative environment at the IEE, the Department of Biology, and the University of Bern. The candidate will be expected to strengthen the links between Conservation Biology and other areas of research and to take advantage of opportunities for interactions with the Oeschger Center, the Wyss Academy for Nature, the Center for Development and Environment, the Museum of Natural History, the Bern Data Science Initiative, the Swiss Institute of Bioinformatics, the Eawag, and others. More information about the IEE can be found at www.iee.unibe.ch . The University of Bern is an equal opportunity employer and offers possibilities for job sharing (see Job Sharing Guidelines) and reduced work hours for individuals with care responsibilities (see, e.g., Care Grants). The IEE supports the Better Science

Initiative and is committed to fostering diversity, equity and inclusion (DEI) among students, staff, and faculty (see also the IEE's DEI page). Accordingly, we strongly encourage applications from persons from the global south, members of visible minorities (racialized persons), members of the LGBTQ+ communities, persons with disabilities, women, as well as from all qualified candidates with the skills and knowledge to productively engage with equitable, diverse and inclusive communities. Candidates who wish to be considered as a member of one or more designated groups are encouraged to self-identify in the motivation letter.

Applications must include: i) a 1-2 page letter of motivation; ii) a CV including funding history, a list of previous teaching and mentoring experience, and a list of publications highlighting the three most important publications; iii) a 2-3 page research plan for the next 5 years, including a paragraph outlining the candidate's longer-term research vision, and iv) a 1-page statement outlining the candidate's personal perspective on fostering DEI in academia and on supporting students and researchers from underrepresented groups.

Applications must be submitted by 1 March 2025 in a dual way: i) as a single PDF file to applications.natdek@unibe.ch (Faculty of Science, University of Bern, Prof. Jean-Louis Reymond, Dean, Sidlerstrasse 5, 3012 Bern, Switzerland); ii) by completing a web form: https://www.iee.unibe.ch/about_us/jobs . The starting date for the position is anticipated to be 1 February

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UCambridge ComputationalBiol

Assistant/Associate Professor in Computational Biology, University of Cambridge

Applications are invited for two Assistant/Associate Professorships in Computational Biology to commence on 1 April 2026 or shortly thereafter.

https://www.jobs.cam.ac.uk/job/50414/ One post is to be held in the Department of Applied Mathematics and Theoretical Physics (DAMTP) and the other is a joint post between DAMTP and the Department of Genetics. Applicants should hold a PhD or equivalent and be able to demonstrate an outstanding research track record within the broad area of Computational Biology. Applications are particularly encouraged from those in areas that complements and extends pre-existing strengths across Computational Biology at the University of Cambridge. An ability to teach in either the Mathematical Tripos or Natural Science Tripos is essential. Experience in encouraging and supporting applicants and students from groups underrepresented in STEM subjects, including women will be an advantage.

This is one of two faculty positions in support of our MPhil in Computational Biology hosted in DAMTP. Applicants will be expected to give undergraduate and masters-level lectures, in particular contributing to the redesign of the MPhil in Computational Biology. The expected teaching load is likely to be two 24-hour courses per year, plus examination of those courses. Applicants will also take feedback from students and provide career or pastoral advice to them, as well as performing other usual departmental duties, e.g. interviewing students. They will be expected to investigate new areas of research, seek out new funding opportunities and submit grant applications. They will also be required to write papers for publication, attend conferences, network with national/international colleagues and give presentations.

Appointment will be made at an appropriate point on the scale for University Assistant or Associate Professors. Appointment as an Assistant Professor will normally be for a probationary period of five years with appointment to the retiring age thereafter, subject to satisfactory performance. Appointment as Associate Professor will typically require a demonstrable history of exceptional achievement. We will assign the two successful candidates to the two positions (based in DAMTP or DAMTP/Genetics) by considering their relevant research profiles and teaching experience.

"F. M. Jiggins" <fmj1001@cam.ac.uk>

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UConnecticut ResTech BioinformaticsAnalyst

Research Technician (Bioinformatics Analyst) Computational Biology Core, Institute for Systems Genomics

The Computational Biology Core within the Institute

for Systems Genomics provides essential consulting, data analysis, and data interpretation services to advance research efforts. This role involves collaborating with faculty, post-doctoral fellows, and research staff on a wide array of biological topics, including high-throughput sequencing, analytic approaches, and workflow management. The analyst plays a key role in providing background on current techniques, managing multiple overlapping data analysis projects, providing general HPC user support, and providing regular workshop-based training to the broader community. The analyst will join a small team that supports research at all UConn campuses.

DUTIES AND RESPONSIBILITIES

* Support of the HPC resources * Support users through installing open-source scientific software and troubleshooting user code * Manage and update shared databases * Develop curriculum and lead training workshops * Conduct analysis of high throughput genomic data for the research community * Triage requests received via Slack, and the e-mail-based help desk

MINIMUM QUALIFICATIONS

* M.A./M.S. in computational or biological sciences * Experience with analyzing high-throughput sequence data * Proficiency with Linux * Comfort interacting with an HPC system * Strong presentation and communication skills * Positive attitude and ability to work as part of a team (multi- tasking extraordinaire)

PREFERRED QUALIFICATIONS

* Comfort with R and/or Python programming * Proficiency with open-source software installation

APPOINTMENT TERMS This temporary special payroll position requires 40 hours per week, with an hourly rate of $34.00. This short-term role (6 months - 1 year) - the goal is to transition this position to a long-term staff scientist position for the right candidate.

The position can be fully on-site or hybrid (candidate must reside in the state of CT). This position does not offer sponsorship benefits.

TO APPLY To apply, please email a resume and cover letter detailing your qualifications to karelyn.lambert@gmail.com, with the subject line “Research Technician Application.” Screening will begin immediately.

“Gauden, Kathleen” <spu24005@uconn.edu>

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UDenver FieldTech SmallMammals

Small Mammal Field Technician - Deer mouse-botfly evolutionary ecology

The Velotta Lab in the Department of Biological Sciences at the University of Denver (velottalab.com) is seeking to hire a seasonal field technician to assist with research on the evolutionary ecology of deer mice (Peromyscus maniculatus) in Colorado in collaboration with Nathan Senner’s lab at the University of Massachusetts Amherst. The project is focused on understanding how deer mouse physiology and population dynamics are influenced by botfly parasites and environmental variation. The field technician will assist with all aspects of fieldwork, with opportunities for learning research skills throughout the season.

The position will run from approximately April 15, 2024 - October 15, 2024. Airfare, shared field housing, food, all necessary equipment, and a stipend of $18.81/hour will be provided.

Applications due March 3, 2025

Essential Functions

§Maintenance of a small mammal trapping grid.

§Capture, handling, and tagging of deer mice.

§Field physiology including respirometry (metabolic rate measurement).

§Field behavioral trials.

§Working in the plains and mountains in sometimes rugged terrain in all weather conditions.

§Work collaboratively and effectively to promote teamwork.

Required Qualifications

§Interest in mammalian ecology, field biology, physiology, species interactions, and/or related fields.

§Comfortable living and sleeping in close quarters with the team.

§Comfortable working at high elevations in sometimes rugged terrain in all weather conditions.

§Strong work ethic, eagerness to learn fieldwork and research methods, and ability to work well on a team and independently in challenging physical conditions and sometimes stressful scenarios. Applicant must be

adaptable, communicative, cooperative, and detail oriented.

For more information and to apply, pleasevisit this website: https://jobs.du.edu/en-us/job/497824/-field-technician-velotta-lab Jonathan Velotta <Jonathan.Velotta@du.edu>

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UGreifswald TeachingResAssist

Teaching and Research Assistant - Zoological Institute and Museum 24/Wi35 University of Greifswald, deadline: 03 March 2025

At the University of Greifswald's Zoological Institute and Museum, Applied Zoology and Nature Conservation Group that belongs to the Faculty of Mathematics and Natural Sciences, there is a job vacancy that is available, subject to budgetary regulations, as of 1 September 2025 for a period of three years (with the option of extension) for a full-time position as

Teaching and Research Assistant.

The position is suitable for part-time employment. Payment will be made according to pay group 13 TV-L Wissenschaft.

Work tasks:

- Scientific services in research and teaching - Development of a competitive research programme (ideally on bats) - Publication of scientific papers in international journals - Scientific management of the DNA laboratory of the Applied Zoology and Nature Conservation working group - Supervision of bachelor's and master's dissertations - Acquisition of third-party funding - Teaching in the master's module Conservation Genetics - The position serves the qualification in the second qualification phase; tasks are assigned that are conducive to the preparation of a habilitation or a comparable qualification

Employment requirements:

- Doctorate in Biology that has been completed by the date when employment commences - Excellent research profile (proven by publications), e.g. in population genetics, behavioural biology and evolutionary biology (e.g. adaptations to climate change) as well as conservation biology - Experience with DNA analysis methods (DNA genotyping/sequencing/SNPs), which qualify for the management of the DNA laboratory belonging to the working group - Excellent English language skills (all courses are taught in English)

Desirable:

- Your research ideally deals with native, free-ranging bats - Willingness to actively participate in the supervision of bachelor's and master's dissertations and the long-term projects of the working group - Proof of or willingness to acquire third-party funding and to cooperate nationally and internationally - Basic German language skills to support teaching in the bachelor's degree courses The position is open to all persons, irrespective of gender.

Severely disabled applicants with the same qualifications will be considered with preference.

According to ï¿½ 68(3) PersVG M-V, the Staff Council will only be involved in staff matters of the academic or artistic staff on request.

Please only submit copies of your application documents as they cannot be returned. Unfortunately, application costs (e.g. travel expenses for interviews) will not be reimbursed by the State of Mecklenburg-Vorpommern.

Please note that by submitting your application, you provide your consent pursuant to data protection law for our processing of your application data. Further information about the legal bases and the use of your data can be found here.

Please send your application with the following documents - cover letter, curriculum vitae, areas of research interest with links to publications, research plans, certificates - via email (one pdf file), with reference to the job advertisement number 24/Wi35 by 3 March 2025 to:

Universitï¿½t Greifswald Zoologisches Institut & Museum AG Angewandte Zoologie und Naturschutz Prof. Dr. Gerald Kerth Loitzer Straï¿½e 26 17489 Greifswald

Tel.: +49 3834 420-4100

email: gerald.kerth@uni-greifswald.de

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

UHawaii Manoa PlantEvolution

The School of Life Sciences, College of Natural Sciences at the University of Hawai'i at Manoa, (UHM) welcomes applications for a Professor (F-5) in Botany. The selectee would be eligible to apply for appointment as the Gerrit Parmile Wilder Endowed Chair in Botany which is a 5 year appointment. This is a tenure track, full-time, 9-month faculty appointment to begin approximately January 1, 2026 or as soon thereafter as possible, subject to position clearance, availability of funds and satisfactory performance.

We are searching for a highly creative and interactive scholar whose research will focus on plant/algal biology in Hawai'i or the Pacific Island region, with a strong track record of extramurally funded work, and who will contribute to the School of Life Sciences' aspiration to become a Native Hawaiian Place of Learning. The successful candidate will join an integrative life sciences program with broad interests in evolution, ecology, conservation, organismal biology, and molecular biology, offering undergraduate and graduate degree programs in Biology, Botany, Microbiology, Marine Biology, Cell and Molecular Biology, and Zoology.

The University of Hawai'i at Manoa is a Carnegie Research 1 University with a strong emphasis on research as well as undergraduate and graduate education, and is striving to become a Native Hawaiian Place of Learning. It is the flagship campus of the University of Hawai'i system. 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 committed to diversity, equity, and inclusion excellence. For more information on the Manoa Strategic Plan, visit https://-manoa.hawaii.edu/strategicplan/ .For more information on the School of Life Sciences, please visit https://-manoa.hawaii.edu/lifesciences/ . Duties and Responsibilities:

- Building upon a vigorous extramurally funded research program - Publishing scholarly works in leading academic journals - Mentoring undergraduates, graduate students and postdoctoral scholars, and participating in graduate committees - Developing and teaching courses related to their expertise for undergraduate and graduate students in the life sciences - Serving on university committees - Collaborating with scientists in the School of Life Sciences and the University of Hawai?i community - Encouraged to build collaborations with State and Federal agencies and to make use of local resources (see below).

Minimum Qualifications:

1. A Ph.D. in an area of algal / plant biology or related areas, from an accredited institution. 2. Have achieved the rank of professor or four years of service as Associate Professor. 3. Demonstrated ability in obtaining extramural funding. 4. Evidence of research productivity through publication of scholarly materials. 5. Ability to work in a diverse and multicultural environment, with a demonstrated commitment to broaden participation and promote diversity, equity, and inclusion, as well as commitment to a safe and inclusive campus environment. 6. Professionalism in meeting and conferring with others. 7. Demonstrated experience in teaching undergraduate and graduate courses in one or more aspects of algal / plant biology.

Desired Qualifications:

1. Recognized knowledge expert in their chosen discipline. 2. Research interests that complement existing strengths in the Botany Graduate program. 3. Research including and/or interest in developing projects focusing on, taxa or ecosystems of Hawaii and other Pacific Islands. 4. Interest in developing place-based research questions and teaching approaches in the context of UHM being a Native Hawaiian Place of Learning.

To Apply: Applicants must submit as a single pdf file: - Cover letter specifying the position and addressing your qualifications. - Curriculum vitae detailing research, teaching, and service accomplishments. - A statement of research interests, activities, and plans (2-3 pages). Content addressing the candidate's approach and commitment to diversity, equity, and inclusion should be directly incorporated into the statement. - A statement of teaching philosophy, interests, and plans (1-2 pages). Content addressing the candidate's approach and commitment to diversity, equity, and inclusion should be directly incorporated into the statement. - Names, addresses, e-mail, and telephone numbers of three professional references. - Copies of up to three relevant publications.

Additional information about Manoa's Strategic Vision as a Native Hawaiian place of learning can be found here: https://manoa.hawaii.edu/strategicplan/ Official transcripts with proof of degree conferred will be required upon hire.

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

UKansas LabTech ComplexTraits

A research assistant / lab technician position is available in my lab at KU to work on various projects geared towards exploring the genetic analysis of complex trait variation in flies. We work on a bunch of traits from aging to toxicant resistance, and this position will involve both fly work and molecular biology/genomics work. Experience with flies would be a plus, but isn't required. The formal announcement, and links to the institutional employment website are provided below. Feel free to email me with any questions. Stuart Macdonald (sjmac@ku.edu)

Position Overview: A research assistant position is available in the Macdonald lab in the Department of Molecular Biosciences at the University of Kansas. We explore the genetic basis of complex trait variation using the fruit fly Drosophila as a model system, working on a diverse set of traits, including response to heavy metals and other toxicants, and lifespan/aging.

The successful candidate will help maintain fly strains and populations of flies, supervise and carry out large-scale phenotyping screens, and perform a range of molecular biology procedures, including making next-generation sequencing libraries for various genomics applications.

We are looking for an enthusiastic and organized individual who wants to learn new skills, and has excellent oral and written communication skills. Previous research assistants in the Macdonald group have undertaken independent research projects and have been authors on research publications from the lab. The position is funded through NIH grants and has an anticipated start date of May 19, 2025 (although this is very flexible/negotiable).

Job Description: - 50% - Generate, maintain and use Drosophila strains/populations for genetic analysis. Examples of the work include stock maintenance, preparing media, carrying out crosses, and assaying strains/populations for phenotypic variation (e.g., stress tolerance). - 30% - Carry out a range of molecular biology procedures. Examples of the work include DNA and RNA isolation, PCR, and next generation sequencing library construction (e.g., for RNAseq or whole-genome sequencing). - 10% - Perform general lab tasks, including inventory and ordering of supplies, and working with undergraduate students. - 10% - Keep accurate and detailed records. Maintain an up-to-date and accurate lab notebook, keep a detailed digital record of all experimental results, and regularly present data/results to Dr. Macdonald.

Required Qualifications: (1) A Bachelor's degree in Biology or a related field. (2) Previous experience with molecular biology techniques (e.g., PCR), as evidenced by application materials. (3) Effective written communications skills as evidenced by application materials.

Preferred Qualifications: (1) Experience with Drosophila husbandry. (2) Significant laboratory experience, including troubleshooting and optimizing protocols. (3) Experience making next generation sequencing libraries (e.g., RNAseq libraries). (4) Prior experience managing large scientific projects, including managing undergraduate assistants.

Application: For a complete announcement and to apply online, go to employment.ku.edu/staff/29875BR

A complete application includes the following: (1) A cover letter outlining relevant experience and interest in the position, (2) a CV/resume highlighting pertinent experience relative to the required and preferred qualifications, and (3) contact information for three professional references.

Informal queries about the position are welcome, and can be directed to Dr. Stuart Macdonald (sjmac@ku.edu, 785-864-5362).

Review of applications will begin March 17, 2025 and will continue until the position is filled.

Dr. Stuart J Macdonald he, him, his

University of Kansas (785) 864-5362 sjmac@ku.edu

Professor and Associate Chair Department of Molecular Biosciences 4043 Haworth Hall, 1200 Sunnyside Avenue, Lawrence, KS 66045 molecularbiosciences.ku.edu

Google Scholar: https://scholar.google.com/-citations?user=pTXRo_gAAAAJ&hl=en ORCiD: http://orcid.org/0000-0002-9421-002X "Macdonald, Stuart" <sjmac@ku.edu>

UNebraska-Lincoln PlantEvolution

John F. Davidson PhD and Marian J. Fuller PhD Presidential Chair in the Life Sciences - Integrative Plant Biology UNIVERSITY OF NEBRASKA-LINCOLN, USA SCHOOL OF BIOLOGICAL SCIENCES

The School of Biological Sciences (SBS), in the College of Arts and Sciences (CAS), at the University of Nebraska-Lincoln (UNL), invites applications for the endowed John F. Davidson PhD and Marian J. Fuller PhD Presidential Chair in the Life Sciences. We seek an outstanding scientist with a record of impactful scholarly achievements within the broad field of integrative plant biology. We expect to make the appointment at the senior associate or full professor level with tenure.

The successful candidate will work broadly using interdisciplinary and integrative approaches in any area of plant biology and have demonstrated pre-eminence in their field. This position will play a key role in furthering UNL's goals of integrating plant science research at multiple biological levels, from molecular mechanisms to ecosystem dynamics and from fundamental discoveries to practical applications. The candidate is expected to integrate knowledge from diverse disciplines, potentially including, but not limited to, molecular and cellular biology, plant physiology and development, ecology and environmental science, evolutionary biology, biodiversity, genomics, and bioinformatics in order to address complex questions regarding the function, development, evolution, and/or ecological significance of plants.

The successful candidate will be expected to: (1) maintain an active, nationally and internationally visible, and externally supported research program, (2) teach courses in the plant science curriculum and develop courses in their specific area of expertise, (3) mentor and train students and postdoctoral fellows, and (4) contribute to the university's mission to promote inclusive excellence in research, education, and mentoring of students of all backgrounds.

Minimum Qualifications * Ph.D. in plant biology or a closely related field. * Postdoctoral or equivalent experience. * Demonstrated ability and accomplishments in research and associated activities with a primary focus on integrative plant biology. * Demonstrated ability and accomplishments in teaching and mentoring of students of all backgrounds.

Preferred Qualifications * An exceptional record of research leadership as evidenced by peer- reviewed research publications, a documented ability to obtain and manage external research funding, and scientific impact, commensurate with the rank sought and the focal discipline. * Research interests that complement, enhance, and expand plant biology at UNL. * Accomplishments and interest in developing new interdisciplinary research collaborations that strengthen regional, national, and international linkages for plant-focused research. * Excellence in teaching and evidence-based pedagogy of students of all backgrounds. * Commitment to and experience in building inclusive excellence, including in research mentorship. * Demonstrated leadership ability, broadly defined, in interdisciplinary life sciences.

The successful candidate will receive dedicated lab and office space and a competitive salary and start-up package, as well as recurring annual research support. They will also have the opportunity to collaborate with an accomplished group of biologists in SBS (biosci.unl.edu), the Center for Plant Science Innovation (psi.unl.edu), and departments associated with the Agricultural Research Division (ard.unl.edu), as well as other units across the UNL campus and the University of Nebraska system. SBS offers a collaborative, interdisciplinary, and welcoming place to work. As articulated in our strategic plans, SBS, CAS, and UNL are committed to enhancing diversity, inclusion, and equity in all aspects of our mission.

The city of Lincoln, Nebraska, provides an outstanding quality of life that includes a vibrant downtown with a lively music and art scene, a collection of over 120 parks and 130 miles of bike trails, plus a low cost of living and opportunities for community connections.

Application Process Review of applications will begin March 17, 2025, and will continue until the position is filled or the search is closed. To apply, go to https://-employment.unl.edu/postings/94827, complete the Faculty Academic/Administrative Information form, and upload the following documents: (1) a cover letter highlighting the candidate's interest in the position and their qualifications; (2) a Curriculum Vitae; (3) a document with research, teaching, and diversity statements; and (4) the names and contact information for three references, who will be contacted later in the search process. The two-page research statement should describe

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Other

CallForNominations For MolecularEcologyPrize

We are soliciting nominations for the annual Molecular Ecology Prize.

The field of molecular ecology is young and inherently interdisciplinary. As a consequence, research in molecular ecology is not currently represented by a single scientific society, so there is no body that actively promotes the discipline or recognizes its pioneers. The editorial board of the journal Molecular Ecology therefore created the Molecular Ecology Prize in order to fill this void, and recognize significant contributions to this area of research. The prize selection committee is independent of the journal and its editorial board.

The prize will go to an outstanding scientist who has made significant contributions to molecular ecology. These contributions would mostly be scientific, but should also include other kinds of contributions that were crucial to the development of the field. The previous winners are: Godfrey Hewitt, John Avise, Pierre Taberlet, Harry Smith, Terry Burke, Josephine Pemberton, Deborah Charlesworth, Craig Moritz, Laurent Excoffier, Johanna Schmitt, Fred Allendorf, Louis Bernatchez, Nancy Moran, Robin Waples, Scott Edwards, Victoria Sork, Fuwen Wei, Kerstin Johannesson, Uma Ramakrishnan, and Mike Whitlock.

Please send your nomination with a short supporting statement (no more than 250 words; longer submissions will not be accepted) and the candidate's CV directly to Kay Hodgins (kathryn.hodgins@monash.edu) by Friday, April 11, 2025. Organized campaigns to submit multiple nominations for the same person are not necessary and can be counterproductive. Also, note that nominations from previous years do not roll over. Thus, previous nominations should be re-submitted with an updated supporting statement and CV.

With thanks on behalf of the Molecular Ecology Prize Selection Committee

loren.rieseberg@botany.ubc.ca

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

ESEB ConferenceTravelAttendance Grants

ESEB Conference Travel Award

These stipends are for students and young scientists who are professionally based in countries with a low GDP to attend the next European Meeting of PhD Students in Evolutionary Biology (EMPSEB) in 2025, the ESEB congress in Barcelona, Spain (https://-eseb2025.com/), or the Evolution 2025 meeting (https://-/www.evolutionmeetings.org/) in Athens, Georgia, USA. The stipend will contribute to covering travel, living expenses, and the early bird congress registration fee (for EMPSEB or Evolution 2025). The funds will be paid out as a reimbursement after the congress, based on specification of the expenses. Note that the registration

fee for the ESEB2025 congress will be waived by the organisers and thus does not need to be included in the budget.

Please note that this Conference Travel Award is distinct from the Congress Attendance Aid Grant (https://eseb.org/prizes-funding/equal-opportunities-initiative/congress-attendance-aid-grant/), which is designed to promote the attendance of under-represented groups and to help with the additional costs of meeting attendance due to responsibilities for caring for dependents when attending the meetings and NOT for the costs of the applicant to attend the meeting.

DEADLINE: 10th February 2025

ELIGIBILITY: - Applicants must be ESEB members before the deadline (for becoming an ESEB member, please visit https://eseb.org/society/eseb-membership/-). - Applications can be submitted by scientists at various stages of their professional career (e.g., Masters and PhD students, postdocs, and lecturers). - Scientists working in a country with high GDP are not eligible (for the list of excluded countries see below). - People who received an ESEB travel stipend in the last five years are not eligible. - Applicants must apply to present either an oral communication or a poster to be eligible for the stipend. Presentation of a talk or a poster will be verified before the reimbursement, but no proof that a poster or talk is accepted is necessary at the application stage. However, please note that being chosen for a travel award does not guarantee acceptance of a poster or talk at the conference. - Please note that these stipends are given in conjunction with analogous stipends offered by the Society for the Study of Evolution (SSE; separate call) to support participation at the ESEB2025 congress or Evolution meeting 2025, so there is no need to apply to both the ESEB and the SSE awards.

HOW TO APPLY:

Send your application by email to the ESEB Office (office@eseb.org; subject: Conference Travel Award 2025).

The application should be no more than 2 pages long and include: - Name of the applicant; - ESEB membership number; - Budget (currency = EUR), including sources of additional support; - An explanation of how attendance to the meeting will support the attendants professional goals; - and a short CV.

Please submit the application as a single PDF-file.

A support letter from the applicant advisor/mentor/senior colleague is also required. Support letters should be sent to the same email address (office@eseb.org) by the applicants mentor _BY THE DEADLINE_.

Members professionally based in the following high income countries are _NOT_ eligible for the travel stipend: American Samoa, Andorra, Antigua and Barbuda, Aruba, Australia, Austria, Bahamas, Bahrain, Barbados, Belgium, Bermuda, British Virgin Islands, Brunei Darussalam, Canada, Cayman Islands, Channel Islands, Chile, Croatia, Curacao, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, French Polynesia, Germany, Gibraltar, Greece, Greenland, Guam, Guyana, Hong Kong, Hungary, Iceland, Ireland, Isle of Man, Israel, Italy, Japan, Korea Rep., Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macao, Malta, Monaco, Nauru, Netherlands, New Caledonia, New Zealand, Northern Mariana Islands, Norway, Oman, Panama, Poland, Portugal, Puerto Rico, Qatar, Romania, San Marino, Saudi Arabia, Seychelles, Singapore, Slovakia, Slovenia, Spain, St. Kitts and Nevis, St. Martin (Dutch and French part), Sweden, Switzerland, Trinidad and Tobago, Turks and Caicos Islands, United Arab Emirates, United Kingdom, United States of America, Uruguay, Virgin Islands (US).

European Society for Evolutionary Biology (ESEB) Email: office@eseb.org Website: https://eseb.org —

Congress Attendance Aid Grant

The grant aims to ensure equal opportunities at the 30th European Meeting of PhD Students in Evolutionary Biology (EMPSEB) or the ESEB Congress in Barcelona, Spain.

The grant aims to achieve this by increasing the attendance of

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ESEB EqualOpportunitiesInitiativeFund DeadlineApr28

ESEB EO Initiative Funds - Call for Applications

Next deadline: Monday, 28 April 2025

Annual open call for proposals for activities that increase

awareness of the problem and possible solutions. Such proposals can include, but are not limited to, short workshops (for instance, on unconscious bias) and/or seminars (with invited speakers) at your home organization, data collection, publication activities and similar events. It must be clear from the proposal how the activity will improve our knowledge and awareness of inequalities, or how the activity will improve equal opportunities directly, in the ESEB specifically, or Evolutionary Biology as a field in general.

Please visit the website of the Equal Opportunities Initiative Funds for further details: https://eseb.org/-prizes-funding/equal-opportunities-initiative/equal-opportunities-initiative-fund/ ESEB Office - office@eseb.org Website: eseb.org

Dr. Ute Friedrich | Office Manager | Postfach 90125 | 90260 Nï¿½rnberg | Germany | Email: office@eseb.org European Society for Evolutionary Biology| Homepage: eseb.org

ESEB Logo < https://eseb.org >

ESEB Office <office@eseb.org>

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ESEB OutreachInitiativeFund Mar15

ESEB Outreach Initiative Fund

The European Society for Evolutionary Biology (ESEB) welcomes applications to the ESEB Outreach Initiative Fund for projects that promote evolution-related activities. The goal of this initiative is to improve public knowledge about evolution globally.

Applications for funding will be accepted for educational initiatives that promote evolution, translation of evolutionary material (books, films, and websites) intended for a general audience, public outreach seminars, public exhibitions, etc.

There will be a single call per year with a total budget of 12,000 Euro. A single project can be funded with up to 4,000 Euro, but smaller projects are welcome. We are requesting a report after one year, at which time the project should be completed.

Please use the ESEB application form to submit your proposal and note the word limits given herein. The form can be downloaded at the ESEB website: https:/-/eseb.org/prizes-funding/outreach-fund/ Proposals will be accepted until *15th March 2025***and should be submitted by email to the ESEB office (Email: office@eseb.org; Subject: Outreach 2025). We will acknowledge receipt of all applications within a week. If you have not received our confirmation by then, please contact the ESEB office again!

Please note that scientific meetings are not supported by ESEB Outreach Initiative funds. These fund also do not work as a mechanism for continual funding. Once the potential of a project has been demonstrated, this should be used as a basis to convince other funding sources on continuation funds. Hence, submissions by a group that has been successful in past calls may be penalized if the proposals are mere follow-ups of previous projects.

The applications will be evaluated by the Outreach Initiative Committee:

Florence Debarre, Chair Trine Bilde Hannah Dugdale Andy Gardner Efe Sezgin

European Society for Evolutionary Biology Email: office@eseb.org Homepage: eseb.org

ESEB Office <office@eseb.org>

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ESEB SpecialTopicNetworks ProposalsApr2

ESEB SPECIAL TOPIC NETWORKS - CALL FOR PROPOSALS

This is a call for proposals for new Special Topic Networks (STN), which will start in September 2025 and be funded by ESEB for up to 6 years. The deadline for the submission of a proposal is APRIL 2nd, 2025.

Background ESEB's STN Initiative supports networking activities in various specific areas of evolutionary research. Each STN is funded for up to 6 years (subject to review after 2 and 4 years of operation) with up to 10,000 Euros for each 2-year funding period. Twelve STNs have been supported since the start of the initiative, and up to four new STNs will be initiated every other year. Networking activities may include the organisation of symposia, workshops, lecture series, courses, and lab visits or joint work on review papers or databases. How-

ever, the format of an STN is up to the organisers, and innovative ideas are encouraged. All active fields of evolutionary research are eligible, provided that the topic of the network differs from the STNs that are currently funded (see the list of currently funded STNs below).

Proposals and selection procedure Applicants should provide a proposal with the following components. (1) Topic of the network: a description of the research area to be targeted, explaining why it is timely to address the proposed topic by a networking initiative, and outlining the expected benefits of the STN to the field (max. 1000 words). (2) Network activities: a global description of the planned networking activities that includes information on the target group of researchers and a more specific description of the activities planned for the first two years of operation of the STN (max. 500 words). (3) Organisation of the STN: the names and affiliations of the organisers of the proposed STN, and brief CVs (max. 1 page) of 3 to 5 core organisers; an explanation of the organisational features of the STN (e.g., management of funds provided by ESEB, decision-making in the network, website and promotional activities), and a description of the feasibility of the plans in view of the restricted budget (max. 500 words, excluding the CVs).

The requirements to be satisfied and the evaluation criteria will be detailed below. Applications should be emailed as a single PDF file to the ESEB office (office@eseb.org) by 2nd April 2025. Updated versions of previously submitted proposals are welcome. Following the closing date, ESEB's STN Committee will install an independent STN Review Panel consisting of ESEB members without conflict of interest with any of the submitted proposals. The STN Review Panel will evaluate and rank the proposals and make funding recommendations to the ESEB Council. The outcome will be announced after the next Council meeting, at the latest on 31st August 2025.

Evaluation and funding criteria The proposed topic of the STN will be the principal evaluation criterion. The score for this criterion will be based on part (1) of the application and will account for 50% of the overall score. The effective and innovative nature of the proposed network activities laid out in part (2) of the proposal will account for 25% of the overall score. The organisational aspects (including budget and feasibility considerations) described in part (3) of the application will account for the remaining 25% of the overall score.

Funding requirements (1) Topic of the network (50%): An STN should focus on an active area of research within the scope of evolutionary biology. New STNs should address topics distinct from those covered by currently funded STNs. The applicants have to demonstrate that the topic is timely, interesting, and important, that, by connecting researchers, the proposed STN has the potential to stimulate progress, and that the corresponding field of research will profit from the STN. Applications proposing new connections between sub-disciplines or intending to resolve current controversies are particularly promising.

(2) Network activities (25%): During the six-year period of its existence, a typical STN organises several meetings (e.g., discussion meetings, workshops, or a symposium at an ESEB Congress). In addition, an STN might organise lecture series, courses, training events, etc. The STN can also stimulate the collaboration of its members in generating resources (e.g., a joint database) or publications (e.g., review or opinion papers). The applicants of an STN should consider how, between meetings, the interaction among members can be fostered, e.g., via social media, online discussion forums, or similar. The effective and innovative nature of the networking plans is an important evaluation criterion. ESEB imposes the following requirements on the activities of an STN: > STNs should organise at least two meetings, preferentially one in the year following their inception and one in their final year. STNs should

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GGBN NewBiobankSampleSearchPage

Hi all,

today GGBN, the Global Biodiversity Biobanking Network, proudly releases its new data portal: https://-www.ggbn.org .We have reworked the main search to increase the performance and usability. You can now browse through 4.4 million frozen biodiversity samples and 6.9 million material entities with faceting and sorting. In addition, the landing page provides full text search across all major resources (samples, members, wiki, document library) which will enable easier access to GGBN information.

The 114 GGBN members can now be explored in a dedicated search (https://ww.ggbn.org/members) where you can find information about their collections in general.

Please feel free to share this message with your colleagues. We appreciate feedback and questions, which you can send to info@ggbn.org.

Best wishes, GGBN Team

Jonas Astrin Biobank Leibniz Institute for the Analysis of Biodiversity Change (LIB) Museum Koenig

Adenauerallee 127 (mail; visitors: #160), 53113 Bonn, Germany Tel: +49 (0)228 9122-357 E-Mail: j.astrin@leibniz-lib.de

https://bonn.leibniz-LIB.de/en/BIOBANK https://www.GGBN.org/ https://fogs-portal.de | https://ggbc.eu | http://bolgermany.de Leibniz-Institut zur Analyse des Biodiversitaetswandels Stiftung des oeff. Rechts | Direktion: B. Misof, A. Grueter | Sitz: Bonn

Jonas Astrin <J.Astrin.ZFMK@uni-bonn.de>

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Heredity Special Issue

Call for Papers - Special Issue in Heredity

We invite submissions for a Special Issue in Heredity titled: "Functional and Adaptive Effects of Genomic Structural Variation."

This issue will explore how structural variants drive phenotypic changes and influence adaptive evolution across a wide range of species, with a particular emphasis on their functional impacts.

We welcome original research articles, reviews, and opinion pieces. The submission deadline is March 1st, 2025. Articles will be published as advanced online publications (AOP) as they become available, with a 6-month free access period for non-Open Access articles.

For more details and submission guidelines, please visit: https://www.nature.com/collections/deejeiccee For any inquiries, please feel free to contact us.

Best, Charikleia Karageorgiou (on behalf of the Special Issue Editors: Megan Dennis, Omer Gokcumen, Ellen Leffler, and Charikleia Karageorgiou)

Charikleia Karageorgiou, Ph.D. PostDoctoral Fellow Buffalo Evolutionary and Anthropological Genomics Lab (BEAGL) Department of Biological Sciences University at Buffalo, SUNY

KelloggBioStation SummerUndergraduateProgram

The NSF funded Kellogg Biological Station (KBS) REU Site "Understanding biological responses to global change in a field station community" gives students an opportunity to conductfull-time researchin collaboration with our field station's outstanding group of resident faculty, postdocs, and graduate students. Participants will live at KBS and gain a wide variety of field and lab research experiences, new friendships, and professional references at a world-renowned biological station on beautiful Gull Lake, Michigan.

Our 10-week summer program will run from May 18-July 26th, 2025. All REU participants will receive a generous $7,000 stipend, room and board at KBS, funding towards travel costs, and funding for research supplies.

No prior research experience is required to participate in the KBS REU program.

We especially encourage students from historically underrepresented groups and/or minority-serving institutions, first generation college students, transfer students, and students from institutions with limited research opportunities to apply for our program.

Application deadline is February 15th, 2025. Contact KBSSummer@msu.edu for more information. Learn more and apply

here!

*****

Sarah Roy, PhD

she/her/hers (what's this?)

Academic Coordinator

Diversity, Equity, and Inclusion Advocate

Kellogg Biological Station

Michigan State University

roysara1@msu.edu

Office Phone: 269-671-2352

Please note that I receive a very high volume of emails during the summer. Your patience is appreciated. Non-urgent emails may take me a few days to respond to.

"Roy, Sarah" <roysara1@msu.edu>

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MolecularEcology HarrySmithPrize

Nominations open for the 2025 Harry Smith Prize, recognizing early career research published in Molecular Ecology

The editorial board of the journal Molecular Ecology is seeking nominations for the Harry Smith Prize, which recognizes the best paper published in Molecular Ecology or Molecular Ecology Resources in the previous calendar year (2024) by graduate students or early career scholars with no more than five years of postdoctoral or fellowship experience. The prize comes with a cash award of US$1000 and an announcement in the journal and in the Molecular Ecologist. The winner of this annual prize is selected by the junior editorial board.

The prize is named after Professor Harry Smith FRS, who founded Molecular Ecology and served as both Chief and Managing Editor during the journal's critical early years. He continued as the journal's Managing Editor until 2008, and he went out of his way to encourage early career scholars. In addition to his editorial work, Harry was one of the world's foremost researchers in photomorphogenesis, where he determined how plants respond to shading, leading to concepts such as "neighbour detection" and "shade avoidance," which are fundamental to understanding plant responses to crowding and competition. More broadly his research provided an early example of how molecular data could inform ecology, and in 2008 he was awarded the Molecular Ecology Prize that recognized both his scientific and editorial contributions to the field.

Please send a PDF of the paper you are nominating, with a short supporting statement (no more than 250 words; longer submissions will not be accepted) directly to molecol.social@gmail.com by Friday 25 April 2025. The subject line should include "2025 Harry Smith Prize". Self-nominations are encouraged.

antonino.malacrino@gmail.com

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OklahomaStateU PostbacResearchProgram

Dear Evoldir members,

I am pleased to announce that the Oklahoma Network-Research and Mentoring for Post-Baccalaureates (ON-RaMP) applications are open! This includes opportunities to work with multiple faculty that specialize in Evolutionary Biology

This program offers mentored research experiences for recent graduates in the biological sciences and related careers. This is a one-year fully paid position, funded by NSF, focused on exploring anthropogenic impacts upon different biological systems.

The aim of our program is to provide research experiences in biology to individuals with a bachelors degree but who have limited previous research experience. Please pass on this opportunity to any students who may potentially be interested (e.g. your classes). This is a well-funded program with generous support for research expenses and travel, along with the opportunity to be mentored on an independent research project.

Link to apply https://etap.nsf.gov/award/475/-opportunity/10302 If you want to learn more about this opportunity, please visit https://cas.okstate.edu/-onramp/ The deadline for the applications is February 28, 2025, at 11:59 pm EST.

Please feel free to contact our program coordinator Celeste Luna for more information: celeste.luna@okstate.edu.

Best wishes,

Michael Reichert Associate Professor Department of Integrative Biology Oklahoma State University 524 Life Sciences West Stillwater, OK 74078 USA https://reichertlab.com/ "Reichert, Michael" <michael.reichert@okstate.edu>

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OmennPrize BestArticleEvolutionMedicine Nominations

Please forward to all who share an interest in evolution, medicine and public health

Nominations for the $5000 Gilbert S. Omenn Prize are open now. The Prize is awarded by the International Society for Evolution, Medicine, and Public Health https://-/isemph.org for the best article published in the previous calendar year on a topic related to evolution in the context of medicine and public health. The first author is invited, expenses paid, to present a plenary talk at the Society's annual meeting. This year's meeting will be July 8-10 at Vanderbilt University, Nashville, Tennessee. Abstracts for the meeting are welcome and due Feb 3. https://isemph.org The deadline for nominations for the Omenn Prize is March 31, 2025, but sooner is better. The easy to complete nomination form is at the link. https://airtable.com/appcSXUCdP41Bi8Zi/-shryvTewHhBZGt5qC –Details below and at https://-isemph.org/Omenn-Prize -

Nominations are open until March 31, 2025 for the best article in any peer-reviewed journal on a topic related to evolution in the context of medicine and public health with a final publication date in 2024. The winning article is announced in May and the prize is awarded to the first author of the article at the ISEMPH annual meeting. The prize includes travel, lodging, and an invitation to present at talk at the ISEMPH annual meeting. All peer-reviewed articles that use evolutionary principles to advance understanding of a disease or disease process are eligible. The prize committee will give priority to articles with implications for human health, but many basic science or theoretical articles have such implications. Authors are encouraged to nominate their own articles, but nominations of articles by others are also welcome.

The prize is made possible by a generous donation by Gilbert Omenn, M.D., PhD. Director of the Center for Computational Medicine and Bioinformatics at the University of Michigan where he is a Professor of Internal Medicine, Human Genetics, and Public Health. Dr. Omenn served as Executive Vice President for Medical Affairs as Chief Executive Officer of the University of Michigan Health System from 1997-2002. He is a past president of the American Association for the Advancement of Science and a member of the Institute of Medicine of the National Academy of Sciences.

nesse@umich.edu

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SmithsonianTropicalResearchInst PostBaccFellowsip

Title: RaMP-UP Fellow University of Colorado Boulder, Smithsonian Tropical Research Institute Location: Panamï¿½ City, Panamï¿½

Job Type: Paid Fellowship Salary: $32,000 Application Deadline: March 16, 2025 Experience: 0-1 years

Application Link: https://cuboulder.secure-platform.com/a/solicitations/login/-109?returnUrl=https%3A%2F%2Fcuboulder.secure-platform.com%2Fa%2Fsolicitations%2F109%2Fhome Website Link: https://www.gsscholar.org/rampup-fellows-program Job Description: The RaMP-UP Tropical BioDiversity Fellowship is a one year paid research experience with Smithsonian Scientists and a cohort of peers in the tropics. RaMP-UP Fellows spend a year engaged in BioDiversity studies with Smithsonian Tropical Research Institute (STRI) scientists. You will be embedded in the tropical landscapes of Panamï¿½, practicing cutting-edge and rigorous methodologies to make a lasting impact on Tropical BioDiversity. This is a program for post-baccalaureates who graduated within the last 4 years from a U.S. accredited university.

Come away with a robust research experience, scientific products, an international professional network, a peer network, and strong mentors to advocate for your career. Applications for the 2025-2026 program will open on January 15, 2025 and close March 16, 2025. Get a stipend of $32,000 for a full year of participation. A roundtrip ticket to Panamï¿½ and lodging while at Smithsonian Tropical Research Institute facilities is included. Visit our website to learn more about the projects you could apply to be a part of, eligibility requirements, and program FAQs.

Mia Murray (she/her/ella) GSS Assistant Program Coordinator Research and Innovation Office | University of Colorado Boulder

GSS TEAM <gsscholarinfo@gmail.com>

(to subscribe/unsubscribe the EvolDir send mail to

golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

Software QInfoMating

Dear evoldir members,

A new version of QInfoMating (v1.2, https://-doi.org/10.1101/2023.09.06.556585) is available on the website https://acraaj.webs.uvigo.es/InfoMating/-QInfomating.htm. This version features a user-friendly interface as well as statistics to estimate patterns of sexual selection and assortative mating from mating frequency tables, for the discrete case, and pairwise data for the continuous case. It also estimates the best-fitting model and corresponding parameter values.

The QInfoMatng software was developed using C+11 and Python3 languages and is available as a Python interface and as a C++ binary executable for Windows, macOS and Linux-like platforms.

For questions about this software please contact me at acraaj@uvigo.es

The methods implemented in the program are described in the following articles:

For continuous data:

Carvajal-Rodrï¿½guez, A. 2024. Unifying quantification methods for sexual selection and assortative mating using information theory. Theoretical Population Biology 158: 206-215 . DOI 10.1016/j.tpb.2024.06.007 .

For discrete data:

Carvajal-Rodrï¿½guez, A. 2020. Multi-model inference of non-random mating from an information theoretic approach. Theoretical Population Biology 131: 38-53 . DOI 10.1016/j.tpb.2019.11.002 The preprint has been recommended by PCI EvolBiol

Carvajal-Rodrï¿½guez, A., 2018. Non-random mating and information theory. Theoretical Population Biology 120, 103-113. DOI 10.1016/j.tpb.2018.01.003

Best wishes,

Antonio

Antonio Carvajal Rodrï¿½guez Catedrï¿½tico de Genï¿½tica Universidad de Vigo email: acraaj@uvigo.es web: http://webs.uvigo.es/acraaj/ Antonio Carvajal-Rodrï¿½guez <acraaj@uvigo.es>

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SSE Hamilton AwardOutstandingGradStd Presentation

Current and recent graduate students are invited to apply for the Society for the Study of Evolution W. D. Hamilton Award for Outstanding Graduate Student Presentation. This award recognizes an outstanding graduate student talk at the annual Evolution meeting. Finalists will present their talks in the Hamilton Award Symposium at the virtual portion of the meeting on May 29-30, 2025.

Learn more about the Hamilton Award: https:/-/shorturl.at/bXopN Apply by submitting your abstract during meeting registration: https://-www.evolutionmeetings.org/registration.html Deadline: April 15, 2025

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

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TransInSTEM survey

'Trans in STEM Climate Survey- fill out and share' Please fill out the Trans in STEM climate survey and share with colleagues, your departments, etc. The goal is to collect quantitative data on experiences across departments, institutions, and levels of the academic hierarchy (i.e. faculty, grad students, undergrads). The survey is anonymous and results and to be filled out by both trans and non-trans respondents. Results will ultimately lead to a write up that aims to bring actionable change to make our spaces safer. You can find the survey here along with a resource guide on 'How to Support Trans Colleagues' created by three trans individuals https://linktr.ee/trans_inclusion. Thank you so so much!

Sincerely,

Erin (*Rin) Krichilsky [*preferred name] they/them| PhD candidate |WareLab

Columbia University, Department of Ecology, Evolution, and Environmental Biology American Museum of Natural History, Division of Invertebrate Zoology

Rin Krichilsky <eak2216@columbia.edu>

UGlasgow Internships LizardBiologyAlps

Field assistant volunteer / intern needed - Field study of the Eurasian common lizard, Zootoca vivipara

We study the reproductive biology and evolution of the Eurasian common lizard (Zootoca vivipara) at a natural experiment site based in southern Austria. The project is organised by an international team of researchers based at the University of Glasgow (UK) and the University of Ljubljana (SI) led by Professor Kathryn Elmer at the School of Biodiversity, One Health and Veterinary Medicine at Univ of Glasgow.

Internships will run from approximately mid-May to late-September 2025. We are looking for interns who can commit to the entire field season, but shorter periods may be considered.

Duties will include assisting in all aspects of fieldwork at the site, including but not limited to collection of wild lizards by hand, recording and measurement, care and husbandry, assisting with experiments, driving to and from field sites and other locations, and contributing to communal camping/ household tasks. Training will be provided. There may also be opportunity for leading or contributing to your own project within the team.

Fieldwork is physically demanding and will take place outdoors in a remote rural location, with fieldworkers based at a commercial campsite for the duration. Interns must be comfortable with living and working collaboratively with others in a small group and long-term camping; maintaining good relations with the team and local community is essential.

All main expenses (food, camping/accommodation fees) and travel costs equivalent to UK/European value will be covered. Travel and medical insurance will be provided. We can welcome team members from anywhere in the world! Interns should provide their own tent, bedding, and outdoor clothing/personal equipment. Please contact us for specifics about costs and remuneration.

Qualifications: We are seeking interns with an interest in herpetology, ecology and/or evolution and who are very keen for gaining experience in the field. Applicants must hold a full driver's licence (eligible to drive a rental car) and be experienced and confident drivers. Good interpersonal and team working skills are essential, as interns will be living and working with the field team in close quarters for an extended period. Additionally, applicants must be physically able and willing to work outdoors in challenging conditions (including inclement weather and traversing steep or boggy terrain). Prior experience of fieldwork and/or working with lizards or other herpetofauna is ideal, but not essential. Please mention on your application, if applicable, any prior relevant experience. Knowledge of/ fluency in German would also be an asset.

Applicants should send a cover letter (including aspects noted above) and CV, dates of availability, along with the names and email addresses of two or more professional or academic references to: Kathryn.Elmer@glasgow.ac.uk

Informal inquiries in advance of application are welcome.

Review of applications will begin 1 March and continue until a team is assembled; we plan on completing the decision by the end of March.

Kathryn Elmer <Kathryn.Elmer@glasgow.ac.uk>

PostDocs

AdelaideU ReptileBrainEvolution

Postdoctoral Researcher in the evolution of reptile brains

The University of Adelaide, South Australia, Australia Application deadline: 25 Mar 2025

A fixed-term Level A grant-funded researcher position is available for two years as part of an ARC Discovery project on the evolution of brains in snakes and lizards, in the School of Biological Sciences at the University of Adelaide.

The aim of the project is to generate new knowledge on the evolution of squamate reptile brains as these animals adapted to new habitats and climates. The project explores how brains have evolved in three groups, dragons, goannas and venomous snakes, with a focus on Australian adaptive radiations. Complementing these macroevolutionary approaches, the project also explores dynamics of embryonic and ontogenetic brain growth to understand the evolutionary lability of reptilian brains in response to environmental and climatic change.

The project uses soft tissue micro-CT scanning (diffusible iodine contrast-enhanced micro-CT scanning) of herpetological specimens from museum collections to generate high-resolution models of brain morphology. This will be complemented by quantitative analyses to determine neuronal packing in squamate brains (e.g. histology, isotropic fractionation and flow cytometry). The project has access to state-of-the-art microscopy services through Adelaide Microscopy at the University and the Bioimaging Platform at La Trobe University. The project also has access to high-powered workstations and microCT scanning facilities based at the University of Adelaide, Flinders University and the University of Michigan.

The period of employment is 2 years. The project leader is Dr Jenna Crowe-Riddell (jenna.crowe-riddell@adelaide.edu.au).

Read more about the position and how to apply here: careers.adelaide.edu.au/cw/en/job/515720/arc-grantfunded-researcher-a

Jenna Crowe-Riddell <jenna.crowe-riddell@adelaide.edu.au>

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ArkansasStateU GenomicEvolution

The Sweet Lab at Arkansas State University is recruiting a Postdoctoral Research Fellow to work on an NSF-funded project that seeks to understand the evolution of fragmented mitochondrial genomes in parasitic lice. The Fellow will be part of a collaborative team that use molecular and bioinformatic approaches to address hypotheses related to genomic evolution, mito-nuclear coevolution, and phylogenetics.

Responsibilities: The Fellow will be responsible for an-

alyzing genomic datasets to test explicit hypotheses related to the evolution of fragmented mitochondrial genomes in different groups of lice. The Fellow will be expected to present results from their research at national and international conferences and publish their findings in peer-reviewed research journals. The Fellow will also be expected to mentor graduate and undergraduate students working on the project, and aid in providing logistical support for a collaborative research team from Arkansas State, Purdue University, and the University of Illinois.

Start date: Preferred 1 August 2025, but start date is flexible.

Support: The salary is $50,000/year plus benefits for up to 2 years. Funding is also available for attending conferences or other professional development opportunities.

Qualifications: Applicants should have a Ph.D. in biology, bioinformatics, evolutionary biology, genetics, or a related field. Competitive applicants will also have experience with a programming language (Python, Perl, R, etc.), bioinformatics (phylogenetics, molecular evolution, etc.), and/or basic molecular lab skills (DNA extractions, PCR, etc.).

Application: To apply, please submit the following materials: 1) a one-page cover letter detailing your interest in the position, 2) C.V., 3) reprints of up to three publications, and 4) contact information for at least two professional references.

Applicants should apply online at: https://-/phe.tbe.taleo.net/phe02/ats/careers/v2/-viewRequisition?org=ARKASTAT2&cws=40&rid=-35093 Deadline: 31 March 2025

Please send any questions about the position to Dr. Drew Sweet at asweet@astate.edu.

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

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BiologyCentre Czechia InsectGenomics

Position: Postdoc in Genomics of Convergent Insect Lineages Laboratory of Insect Symbiosis (AleÂ Buèek) Institute of Entomology Biology Centre in Ãeské BudÃ-Czechia https://bucek-lab.org/ Start: July 2025 (negotiable) for 2 years Application deadlines: March 10, 2025

Project outline: Organisms frequently evolve similar adaptations in response to similar environments. Do these organisms follow parallel or unique (lineage-specific) trajectories? Is macroevolution at the molecular level deterministic or predictable under certain circumstances? We lack answers to these questions due to the scarcity of comparative genomic studies on massively multiply convergent organismal groups.

We are seeking a Postdoctoral Fellow who will dare to tackle these questions by employing a model system consisting of rove beetles (Staphylinidae: Aleocharinae) that independently adapted more than fifteen times to live in symbiosis with termites.

The successful candidate will apply comparative genomic methods to investigate the extent, and the timescale of parallel genome evolution associated with repeated transitions to parasitic lifestyle. They will have a head start since the genomic sequence datasets covering 5 independent origins of termitophily in Aleocharinae have already been generated or are currently being sequenced. The candidate is encouraged to expand upon this research direction and will have research resources to do so.

We require §curiosity and enthusiasm about insect molecular evolution §motivation and ability to lead a research project §PhD degree in biology, bioinformatics, or related fields §experience in comparative genomics with proven track record

We offer §stimulating research environment of an international team (Colombian, British, Danish, Indian, Czech) focused on macroevolution of termites and their parasites §living environment of a green campus within the most bicycle-friendly city in Czechia §starting monthly net salary based on previous experience ~ 1,500-1,600 EUR (~ 120% of avg. net salary in the region, living cost is lower than in western Europe)

We encourage candidates to prepare a research proposal

for independent funding before or during the Postdoc. The recommended schemes include Marie Curie fellowship, EMBO fellowship, JSPS (for Japanese candidates only), and Postdoc individual fellowship (by Czech Science Foundation). The candidate will receive support and feedback during the proposal planning and writing.

Apply by sending a single pdf including a motivation letter (~ 1 page), CV, and contact information for two reference persons (one of them preferably a previous supervisor) to AleÂ Buèek (ales.bucek@entu.cas.cz).

Inquiries for further details are welcome.

Ales Bucek <bucek.ales@gmail.com>

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GEOMAR Kiel SeagrassAssistedEvolution

Postdoctoral position (m/f/d, 5 yrs) "Seagrass Assisted Evolution"

at the GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany, one of the internationally leading institutions in the field of marine research. The project will be conducted in the research group "Marine Evolutionary Ecology" (PI— Prof. Thorsten Reusch, https://-www.geomar.de/en/researchgroup-treusch).

Background and Project Description The position is embedded into the German ANK ("Nature Based Climate Solutions") funded project ZOBLUC - Zostera as Blue Carbon Ecosystem coordinated by GEOMAR. The successful candidate will work within a consortium that also comprises groups at Kiel University and at the State Agency for Environment of Schleswig Holstein (LfU). The primary goal of ZOBLUC is to upscale mapping, monitoring, restoration techniques and stakeholder involvement for eelgrass (Zostera marina) conservation and restoration in the south-western Baltic Sea. The specific aim of the advertised position is to develop and test assisted evolution approaches to enhance the resilience of eelgrass restoration in the face of rapid ocean change. The successful applicant will establish and test diverse approaches that will encompass (i) breeding and artificial selection (ii) hybridization of different donor genotypes (iii) stress hardening /priming of seeds and juvenile plants. Field and tank experimentation will be combined with genomic approaches, in particular genome-wide association studies and tests for selection to determine the basis of adaptive responses. The successful candidate will closely collaborate with three other doctoral students working on related questions.

Our team comprises a scientific diving group that assists in obtaining samples and executing underwater experimentation. Access to infrastructure required to conduct large-scale omics analyses such as next generation sequencing and high-performance computing is available, as well as state-of-the art experimental facilities with running seawater. The successful candidate will also keep and expand collaborative contacts to other international groups working on seagrass restoration and assisted evolution in Europe and beyond.

Your ideal profile for a successful application are: * a PhD / doctoral degree in biology, genetics, ecology, marine sciences, plant breeding or in a related subject * proficiency in evolutionary biology and genetics * proficiency in omic approaches including fluency in bioinformatic scripting * a very good track of scientific publications related to career stage * proficiency in English (written and spoken)

Desirable qualifications would be: * experience in seagrass ecology and evolution * knowledge in marine nature conservation regulation and management * experience with public outreach /media * scientific diving license * boating license

The full-time position (39 hrs/week, approx. euro 4000 gross) is available for a period of five years.

Please submit your application no later than 20 March 2025, the online link and further details can be found here: https://www.geomar.de/en/karriere/-job-single-en/postdoktorandenstelle-m-w-d-seagrass-assisted-evolution Along with the usual documents (cv, list of publications, pdf or online access to your dissertation, degree certificates), please include a one-page research outline how you would tackle the question of assisted evolution in eelgrass, as well as a commented list of your three most significant publications so far (max. 100 words per published work). For further informal inquiries, regarding the position and research unit please contact Prof.—Thorsten Reusch (treusch(at)geomar.de).

Thorsten Reusch <treusch@geomar.de>

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Heidelberg EvolXdosageCompensation

Please check out this attractive fellowship call (www.health-life-sciences.de/postdocs) from the various institutions in Heidelberg and Mannheim (Germany) and especially the collaborative project (No. 51) from our lab and that of Aurelio Teleman (German Cancer Research Center) on the evolution of X chromosome dosage compensation through translational upregulation in mammals, based on the findings from our previous work (Wang et al. Nature 2020)

Henrik Kaessmann <h.kaessmann@zmbh.uni-heidelberg.de>

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ImperialC London ResAssocGenomics

Research Associate in Genomics

IMPERIAL COLLEGE LONDON

Department of Life Sciences (Silwood Park)

Salary range GBP 48,056 - 56,345 per annum

Silwood Park Campus - Hybrid

Full time - 1 Year Fixed term

Position Description: Investigating the Genetics Underpinning of Sexual Behaviour in Macaques.

We are seeking a dedicated individual to join our research team in the exploration of genetics underpinning of sexual behaviour in rhesus macaques. While this role primarily focuses on investigating behavioural genomics in macaques, you will also play a pivotal role in contributing to various other genomic and metagenomic research projects within our laboratory, with opportunities to co-author publications. The project is funded by philanthropic trusts, and extension of the contract is possible.

What you would be doing

Genomic Analyses: The primary responsibility of this position is to conduct genomic analyses of a diverse sample of rhesus macaque genomes, integrating these data with existing behavioural and pedigree records spanning several decades. The genomes are derived from animals living freely on a Caribbean island, where they commonly exhibit same-sex sexual behaviour. Previous research in our lab demonstrated that this behaviour is heritable, indicating a genetic basis. The overarching goal of the project is to identify genetic loci associated with same-sex sexual behaviour and to test theoretical frameworks, such as sexually antagonistic pleiotropy, to resolve this apparent Darwinian paradox.

Team Leadership: The selected candidate will also be responsible for supervising a multi-disciplinary team, which includes PhD and Masters students. This role involves providing guidance, fostering collaboration, and ensuring the successful execution of research objectives.

Publications: As a Research Associate, you will be expected to actively contribute to the dissemination of our research findings by submitting publications to high-impact refereed journals.

What we are looking for Hold, or be near completion of, a PhD in evolution, ecology, genetics, genomics. A background in genomics, molecular biology, or a related field. Strong analytical and research skills. Experience in leading and collaborating with research teams. Excellent written and verbal communication skills. A commitment to making meaningful contributions to the field of behavioural genomics.

If you are passionate about advancing our understanding of sexual behaviour in the context of primate societies, we encourage you to apply. This position offers an exciting opportunity to engage in cutting-edge research and make a significant impact in the field.

Lab website: https://www.imperial.ac.uk/people/-v.savolainen What we can offer you The opportunity to continue your career at a world-leading institution and be part of our mission to continue science for humanity Benefit from sector-leading salary and remuneration package (including 39 days off a year and generous pension schemes) Get access to a range of workplace benefits including a flexible working policy from day 1, generous family leave packages, on-site leisure facilities and a cycle-to-work scheme Interest-free season ticket loan schemes for travel Be part of a diverse, inclusive, and collaborative work culture with various staff networks and resources designed to support your personal and professional wellbeing.

Further information Candidates who have not yet been officially awarded their PhD will be appointed as a

Research Assistant.

Informal enquiries to v.savolainen@imperial.ac.uk

TO APPLY GO TO

https://www.imperial.ac.uk/jobs/search-jobs/-description/index.php?jobId=23179&jobTitle=-Research+Associate+in+Genomics DEALINE 20 MARCH 2025

Prof. Vincent Savolainen

Director, Georgina Mace Centre for the Living Planet

Imperial College London Department of Life Sciences Silwood Park Campus Ascot, SL5 7PY, UK Tel +44(0)7746972672 v.savolainen@imperial.ac.uk www3.imperial.ac.uk/people/v.savolainen

"Savolainen, Vincent" <v.savolainen@imperial.ac.uk>

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INC Poland EvolutionaryPhylogenetics

Postdoctoral Position in Evolutionary Ecology & Phylogenetics

The Institute of Nature Conservation, Polish Academy of Sciences (INC PAS) invites applications for a postdoctoral researcher position as part of the OPUS 27 project: "Global Wind Regimes in Ecogeographical Rules of Evolution", funded by the National Science Centre, Poland.

The position focuses on understanding the role of wind regimes in shaping mammalian body size and appendage length within Bergmann's and Allen's rules. Research will involve phylogenetic comparative methods and GIS-based environmental analyses.

The postdoctoral researcher will work in an internationally collaborative environment alongside researchers from Spain (Prof. Daniel Sol) and Australia (Prof. Matthew Symonds).

Location: Institute of Nature Conservation, Polish Academy of Sciences, Kraków, Poland Salary: 140,000 PLN gross gross per year (~7,000 PLN net/month) Duration: 3 years (starting March 2025), with a 6-month trial period

Key Responsibilities: - Conduct research on mammalian body size, appendage length, and wind regimes - Perform phylogenetic comparative analyses and GIS-based modeling in R - Compile and manage global datasets on mammalian evolution - Lead manuscript preparation for high-impact publications - Attend conferences, workshops, and international research stays

Requirements: - PhD in evolutionary biology, zoology, computational ecology, or a related field (obtained in the last 7 years) - Proven experience in geoanalyses, phylogenetic methods, and large- scale data handling - Proficiency in R and statistical modeling - Strong knowledge of mammalian evolutionary biology - Fluent spoken and written English

Application Process: Send a **single PDF file** to sekretariat@iop.krakow.pl (CC: frohlich@iop.krakow.pl) with the subject "OPUS 27 Postdoc Application".

Include: - Cover letter (max. 2 pages) detailing qualifications and research experience - CV with a list of scientific achievements and publications - PhD diploma copy (foreign degrees must be recognized in Poland) - Signed data processing consent

Application deadline: February 28, 2025 Interviews: Early March 2025

For further details, contact frohlich@iop.krakow.pl

More information: https://panel.iop.krakow.pl/-uploads/232/postdoc_position_within_OPUS27.pdf Arkadiusz Fröhlich <frohlich@iop.krakow.pl>

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Krakow EvolutionaryMammalogy

A 3-year postdoctoral position is available at the Institute of Nature Conservation, Polish Academy of Sciences (INC PAS), Krakow, Poland. The position is part of the OPUS project "Global Wind Regimes in Ecogeographical Rules of Evolution" and focuses on how wind regimes influence mammalian body size and appendage length in response to climatic pressures.

Position Details: - Fully funded postdoc position (March 2025 start). - Salary: ~7000 PLN net per month (140,000 PLN gross gross annually). - Research involves large-scale data analysis, phylogenetic comparative methods, and GIS-based modeling. - International collaboration with researchers from Spain and Australia.

Requirements: - PhD in evolutionary biology, zoology, computational ecology, or a related field (obtained

within the last 7 years). - Experience in geoanalysis, large-scale data handling, and R programming. - Strong background in mammalian evolution and statistical modeling. - Good spoken and written English skills.

Application: To apply, send a single PDF file (CV, cover letter, PhD diploma) to sekretariat@iop.krakow.pl (Cc: frohlich@iop.krakow.pl) Deadline: **February 28, 2025**.

For more details, see the full announcement: https://panel.iop.krakow.pl/uploads/232/-postdoc_position_within_OPUS27.pdf For inquiries, contact Dr. Arkadiusz Fri¿½hlich at frohlich@iop.krakow.pl

Best regards, Arkadiusz Fri¿½hlich Institute of Nature Conservation, Polish Academy of Sciences

Arkadiusz Fri¿½hlich <frohlich@iop.krakow.pl>

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LundU PollinatorLandscapeGenomics

We have a post doc opening within the project "Evaluating effects of green infrastructure on pollinator functional connectivity using landscape genomics", funded by the strategic research environment BECC "Biodiversity and Ecosystem services in a Changing Climate". This project aims to deploy landscape genomic methods to evaluate the importance of green infrastructure for gene flow and connectivity. The project will use whole genome data and advanced landscape genomic analyses and simulations to address to which extent the prevalence of green infrastructure increases functional connectivity. The project will be supervised by Anna Runemark and Maj Rundlöf at Department of Biology, Lund University, and performed in collaboration with postdoctoral fellow Isolde van Riemsdijk, University of Copenhagen. The work will be set within the SPeciation, Adaptation and Co-Evolution group at the Division of Biodiversity and evolution and the BECC environment at Lund University.

Please see the announcement at https://-lu.varbi.com/en/what:job/jobID:785801/ or contact Anna.Runemark@biol.lu.se for further information. Last day for application: February 20th.

The Lund University biology department offers an interactive environment with many strong research groups and a high proportion of international post docs, doctoral students, and researchers. The department hosts weekly seminars with invited speakers, and there is also an active department pub, floor hockey, board game evenings and division breakfasts making it a social interactive research environment. The SPACE environment with 4 PIs and several post docs, PhD-students and students provides a forum for discussion and collaboration, and the BECC environment provides both workshops, courses, funding opportunities and is an excellent interface for interdisciplinary research and interactions with stakeholders.

Anna Runemark <anna.runemark@biol.lu.se>

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MemphisZoo GorillaElephantTigerRes

Title: Post Doctoral Fellow in Ex/In Situ Conservation Gorillas, Tigers, or Elephants (3 years, Full Time)

Location: Memphis, Tennessee Institution: Memphis Zoo Compensation: $46,000-$50,000 annually. Application Deadline: April 1, 2025 Tentative Start Date: Aug 1, 2025 or sooner

Summary: The purpose of the Post-Doc is to broaden the Memphis Zoo's progress towards its top-tier wildlife conservation priorities. The Fellow's responsibility is to develop new research projects and nurture existing conservation-oriented partnerships focused on advancing one of the Zoo's three flagship conservation programs - gorillas, tigers, and elephants.

Essential Dates: This is a 3-year appointment. Completed applications are due 04/01/2025 (see application requirements). Anticipated start date for position is 08/01/2025.

Essential Job Functions: - Develop, conduct, and supervise projects that make a clear, positive, and measurable impact on the target conservation issues. - Effectively communicate conservation and research efforts, goals, and -accomplishments to the public. - Successfully pursue networking opportunities and collaborations with universities and partnering Institutions. - Secure external funding to augment internal research funds. - Engage in media, development, and public speaking opportunities. - Mentor, nurture, and develop research

capacity in students, interns, and technicians. - Foster a positive, collaborative, safe, and encouraging professional environment.

Minimum Education and Experience: - PhD in biological sciences, wildlife biology, animal science, or related field. - Experience designing and coordinating research projects. - Strong record of peer-reviewed publications in relevant disciplines. - Strong record of applying to and securing grants. - Proficiency in R statistical software or equivalent.

Preferred Education and Experience: - 5+ years of experience developing, leading, and managing research projects. - Ability to cultivate and maintain effective working relationships with a diversity of groups including various departments within the zoo, university collaborators, state and federal agencies, and the public. - Effective articulation of scientific discoveries and conservation issues to the public. - Proven track record for developing intra and inter-institutional research collaborations. - Deep understanding and/or lived experience of diversity, equity, and inclusion issues that are at the intersection between workplace dynamics, education, scientific research, and multi-cultural conservation projects. - Experience in domestic or international field research. - Strong record of student mentorships.

Reporting Structure: Reports to Curator of Research, Dr. Sinlan Poo (spoo@memphiszoo.org).

Other Duties & Requirements: Please refer to job post on Memphis Zoo's career webpage

Application Requirements: - Cover letter (1 page max) - Strong statement of research interest or (preferably) a research proposal that incorporates animals within Memphis Zoo's collection (3 page max) - CV - All above files should be submitted in a single PDF with the file name "C6 Postdoc_LAST NAME" and uploaded under "Documents" through the online Job application portal - In addition to the above, please email 3 letters of reference to Sue Harris (sharris@memphiszoo.org). Please include your name, "post doc", and "letters of reference" in the subject line.

Incomplete applications will not be considered.

How to Apply: Applications should be submitted via the Memphis Zoo Careers page. Please note that any other application submissions will not be considered. www.memphiszoo.org/careers . Review of applications will begin immediately, and position may close before the application deadline.

Sinlan Poo <spoo@memphiszoo.org>

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MichiganStateU NCStateU TunaGenomics

Postdoctoral opportunity studying genetic variation in large tunas and molecular assay development

The Meek Lab at Michigan State University (MSU) and Mamoozadeh Lab at North Carolina State University (NCSU) are looking for a highly motivated postdoctoral scholar to apply population genomic methods and molecular assay design principles to support monitoring of large tuna species. The Meek and Mamoozadeh labs use field sampling and high-throughput sequencing to address ecological and evolutionary questions that are directly relevant to the conservation and management of fish species.

Description We are looking for a postdoctoral scholar to lead efforts aimed at characterizing genetic variation in Thunnus tunas and developing molecular assays for in-field species identification. The selected candidate will perform whole genome sequencing, conduct bioinformatic analyses, and develop and test diagnostic molecular assays. In addition to these efforts, the postdoc will have the ability to develop their own questions using data generated in this study. The strongest candidates for this position will have:

- Meaningful experience in molecular laboratory methods, including genomic library preparation - A strong background in the bioinformatic analysis of genomic datasets, preferably datasets produced using whole genome sequencing - The ability to engage with and coordinate others to achieve project objectives in a timely manner

Work in the Meek and Mamoozadeh labs is done in very close collaboration with agency partners and other related stakeholders to ensure usefulness and impact. Therefore, in addition to the publication of research, the postdoc will have the opportunity to develop their skills in outreach, collaboration, and partner engagement. We are very interactive labs and are looking for an excellent scientist who cares about conservation and is a good collaborator. The successful candidate can expect to publish peer-reviewed manuscripts based on the research described above.

The initial hire is for one year with a second year possible given satisfactory performance. The position will be jointly administered by the Department of Integrative

Biology at MSU and Department of Applied Ecology at NCSU, with the selected candidate based at the NCSU campus in Raleigh, North Carolina. A start date of May 2025 is preferred.

Qualifications In addition to the desired skills listed above, applicants should have a PhD in ecology, evolution, genetics, bioinformatics, fisheries, or related fields. We are looking for a creative, talented, and determined scientist with a good publication record and excellent organizational and communication skills who is passionate about conservation.

How to Apply Interested candidates should apply via the link listed in this ad: https://careers.msu.edu/jobs/research-associate-fixed-term-east-lansing-michigan-united-states-out-of-state Please feel free to email the project leads (mhmeek@msu.edu and nrmamooz@ncsu.edu) with "Postdoctoral Position" in the subject line to ask questions prior to submitting an application, but do not send application material via email.

Required application materials are listed below and should be combined into a single PDF before applying:

1. Brief cover letter describing research interests and motivation 2. CV 3. Names and email addresses for 3 references 4. 2-3 published papers or manuscripts in preparation

Review of applications will begin on 15 March 2025.

Nadya

Nadya Mamoozadeh, PhD Assistant Professor Dept. of Applied Ecology

Nadya Mamoozadeh <nrmamooz@ncsu.edu>

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MNH Stockholm HerringHistoricalDNA

One postdoc position in evolutionary genomics to study the adaptive responses of sea warming in North Sea and Baltic herring is available in the group of Nicolas Dussex at the Swedish Museum of Natural History, Stockholm.

Please apply here: https://recruit.visma.com/spa/public/apply?guidAssignment=21447484-178f-4dd7-8ea0-6ab9053d014f&description=True For more information, please email: nicolas.dussex@gmail.com https://nicolasdussex.wixsite.com/ndevol Nicolas Dussex <nicolas.dussex@gmail.com>

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NorthwesternU EvolutionPlantGrafting

POSTDOCTORAL RESEARCH OPPORTUNITY - PLANT GRAFT COMPATIBILITY

The Program in Plant Biology and Conservation and the Center for Network Dynamics (https://cnd.northwestern.edu/) at Northwestern University seek an outstanding postdoctoral scholar as part of a newly funded grant. The interdisciplinary research team (lead by Dr. Nyree Zerega < https://sites.northwestern.edu/zerega-lab/research/ > and Dr. Adilson Motter < http://dyn.phys.northwestern.edu/ >) is developing a large scale study of plant graft compatibility, and this postdoctoral role is expected to play a leadership role in experimentation, data analysis (including evolutionary aspects), and coordinating research activities associated with this project.

Minimum Qualifications

* PhD in plant sciences, ecology and evolution, horticulture, molecular biology, biochemistry, or related field * Ability to conduct independent and collaborative research * Record of publishing in peer-reviewed outlets

Principal Accountabilities

1. Conduct plant grafting experiments 2. Data analysis 3. Develop new ideas, research methodologies, and analytic approaches 4. Help write and contribute to publications resulting from research done in the lab

Preferred Qualifications/Competencies:

* Experience in conducting plant grafts (or enthusiasm to learn) * Experience with greenhouse experiments * Experience in molecular, biochemical, and/or histological research * Excellent communication and writing skills

Interested applicants should email their application to n-zerega@northwestern.edu Review of applications will start immediately and continue until a candidate has been identified. Priority will be given to applicants able to begin employment no later than April 1. You will need to submit:

1. A cover letter that makes clear how your interests and experience are relevant to this position 2. A current CV 3. Name and contact information for 2-3 people willing to submit recommendation letters on your behalf

Nyree J C Zerega <n-zerega@northwestern.edu>

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NorwegianUSciTech EvolutionaryEcology

Postdoctoral Researcher in Evolutionary Ecology

This postdoctoral position is part of a major research project funded by the European Research Council, with the overall objective of providing new theoretical and empirical understanding of spatial and seasonal eco-evolutionary dynamics in nature.

The primary aims will be to provide new theoretical understanding of the microevolutionary dynamics of dichotomous traits, and to explore the implications for eco-evolutionary dynamics. This will include evaluating impacts of fluctuating selection, selection on phenotypic plasticity and multivariate constraints, and resulting non-additive genetic effects and gene-by-environment interactions. The objectives will be achieved through combinations of quantitative genetic theory and individual-based modelling. Results will be used to inform analyses of eco-evolutionary dynamics arising in spatially- and seasonally varying environments, working alongside researchers analyzing field data on variable seasonal migration.

The position provides an exciting opportunity to lead research advances in fundamental evolutionary principles, and their implications in the context of varying environments. It will suit applicants who are motivated to undertake high-level quantitative research in these areas, integrating theoretical and empirical science. Applicants with some experience of theory development through mathematical and/or simulation modelling, and/or with strong conceptual understanding and experience of empirical quantitative genetics analyses or other related forms of advanced statistics, are encouraged to apply. Training in key concepts will be provided, and further skills in modelling and analytical approaches can be learned as required.

The position will be held within an international research group led by Professor Jane Reid in the Department of Biology, Norwegian University of Science and Technology (NTNU). Informal enquiries are welcome (jane.m.reid@ntnu.no). Closing date: 17th March 2025 Duration: Three years

Full details at: https://www.jobbnorge.no/en/available-jobs/job/275202/researcher-postdoctoral-level-in-theoretical-evolutionary-ecology The University of Aberdeen is a charity registered in Scotland, No SC013683. Tha Oilthigh Obar Dheathain na charthannas clï¿½raichte ann an Alba, ï¿½ir. SC013683.

“Reid, Dr Jane M.” <jane.reid@abdn.ac.uk>

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NTNU Trondheim Norway ModelingGenomicData

Postdoctoral Fellow in statistical modeling for genomic data

The Norwegian University of Science and Technology, Trondheim, Norway Application deadline: April 4th 2025

The position is part of the research project “Prediction of genetic values and adaptive potential in the wild” funded through a Consolidator Grant by the European Research Council (ERC). A major goal of the project is to develop cutting-edge statistical methodology to analyse and make predictions from large-scale genomic data, which is currently generated for many wild animal populations. To this end, the project combines modern statistical methodology and builds on the current state-of-the art in animal breeding, human genomics, ecology and evolutionary biology. The post-doc will thus work with a cross-disciplinary team of researchers and can contribute towards the development of methods that will make an impact to better understand evolution and the robustness of wild animal populations, with the ultimate goal to help preserving biodiversity.

The postdoc will work at NTNU in Trondheim, and the fellowship will be hosted by the Department of Mathematical Sciences < https://www.ntnu.edu/imf >. The project is a close collaboration with evolutionary ecologists from the Department of Biology < https://-www.ntnu.edu/biology > and the GjÃrevoll Centre < https://www.ntnu.edu/gjaerevoll > at NTNU, as well

as with international researchers in the field.

The period of employment is 3 - 4 years. The project leader is Associate Professor Stefanie Muff (stefanie.muff@ntnu.no).

Read more about the position and how to apply here: https://www.jobbnorge.no/en/available-jobs/job/-275871/postdoctoral-fellow-in-statistical-modeling-for-genomic-data Henrik Jensen <henrik.jensen@ntnu.no>

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QMUL London AmphibianMicrobiome

The Bates Lab at The Blizard Institute (QMUL) is seeking a 3-year Postdoctoral Researcher as part of a recently funded BBSRC project investigating glycan - microbe interactions using amphibian models. The post holder will use state-of-the-art omics methods and experimentation to dissect how microbiome assembly processes shape host resistance to the deadly fungal pathogen Batrachochytrium dendrobatidis (Bd). To date, Bd has driven at least 500 amphibian species into decline globally, equating to one of the worst diseases of wildlife on record. The PDRA will benefit from a close collaboration with the world-leading Glycosciences Laboratory at Imperial College London and the ZSL Institute of Zoology.

For more details: https://qmul-jobs.tal.net/vx/-appcentre-ext/brand-4/candidate/so/pm/1/pl/3/-opp/5038-Post-Doctoral-Research-Associate/en-GB Lab website: https://sites.google.com/view/bateslab Kieran Bates <k.bates@qmul.ac.uk>

Dr. Kieran Bates Lecturer in Microbiome Science Centre for Immunobiology The Blizard Institute Bart's and The London School of Medicine and Dentistry Queen Mary University of London 4 Newark Street, London E1 2AT

Kieran Bates <k.bates@qmul.ac.uk>

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RBG Kew EvolutionPolyploids

Post-doc positions in evolutionary genomics of polyploids

We are seeking a highly motivated post-doctoral researcher to play a key role in delivering an exciting new 4-year multi-partner BBSRC research consortium focussed on understanding genome evolution following whole genome duplication (WGD, i.e. polyploidy) events across the Tree of Life (please see https://-/www.rediploidisation.org for an outline of the full project.

The Royal Botanic Gardens, Kew (RBG Kew) post will contribute towards the ambitious scientific objectives of this consortium by applying cutting-edge comparative genomic tools (many developed as part of the consortium) to analyse the growing number of chromosome-level genome assemblies and hence reconstruct the genetic and functional changes following WGD event across diverse taxa.

At RBG Kew the initial focus will be on analysing genomes across the plant tree of life, but there will be opportunities to expand to other eukaryotic groups, including fungi.

There will be extensive opportunities to collaborate with the many other members and collaborators across the consortium (e.g. through secondments to other institutions, regular consortium meetings etc.), providing opportunities to build and share expertise.

For informal enquiries, please get in touch with Ilia Leitch (i.leitch@kew.org)

For more details about the project in which this post-doc is embedded see: https://www.rediploidisation.org Please see the full advert and apply here: https://-careers.kew.org/vacancy/postdoctoral-researcher-in-evolutionary-genomics-of-polyploids-579739.html The salary for the post is between ï¿½40,926 - ï¿½42,945 per annum depending on skills and experience. The post will be based primarily at the Royal Botanic Gardens, Kew, Richmond, Surrey; however, we are open to considering flexible working patterns and requests for hybrid that combine a mix of remote and regular on-site working.

Your skills and attributes for success: To contribute to delivering the overarching goals of the consortium,

we are seeking a researcher with extensive bioinformatic experience in: (i) Using comparative genomic approaches for analysing large genomic datasets (including chromosome-level genome assemblies),

(ii) Analysing complex non-model genomic data, to explore the genomic signatures of genome evolution following WGD.

Other essential criteria for this post include: - PhD in a relevant discipline of biology - Demonstrated interest in genome evolution - Proven track record in publishing research results in high quality peer- reviewed scientific journals - Experience in presenting research to the wider-scientific community and stakeholders, both at scientific conferences and workshops, as well as to the broader public.

Brief overview of the BBSRC sLoLa Consortium: Reappraising the role of whole genome duplication and rediploidisation in eukaryotic evolution This job sits within a 48-month multi-partner research project funded by the Biotechnology and Biological Sciences Research Council (BBSRC) via their sLoLa (Strategic Longer and Larger) grant scheme (see rediploidisation.org). Starting in April 2025, this ï¿½5.3M project aims to understand the genetic origins and consequences of evolutionary novelty generated through WGDs across the Tree of Life. The project is led by The University of Edinburgh (Roslin Institute), and, in addition to RBG Kew, includes the following UK partners: University of Oxford, University of Bristol, University of Bath, Wellcome Sanger Institute, and international collaborators based at leading research organisations in Ireland, the Netherlands, Japan and Spain.

The Royal Botanic Gardens, Kew is a non-departmental public body with exempt charitable status, whose principal place of business is at Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AE, United Kingdom.

Ilia Leitch <I.Leitch@kew.org>

Roslin Edinburgh EvolutionaryGenomics

Post doc positions in evolutionary genomics

Two post-doctoral researcher positions are available that will play key roles in delivering an exciting new 4-year multi-partner BBSRC research project focussed on understanding genome evolution following whole genome duplication (WGD, i.e. polyploidy) events across the Tree of Life (please see rediploidisation.org). The researchers, based at the Roslin Institute, will lead and deliver ambitious scientific objectives as part of a highly integrated multi-partner consortium, for example using cutting-edge comparative single cell transcriptomics and whole genome alignment approaches to reconstruct genetic and functional changes that follow WGD events in diverse eukaryotic taxa.

One post focusses on comparative single cell transcriptomics and is available full-time (35 hours per week) for three years with potential for extension up to 4 years. This post will involve both lab work and bioinformatic analyses.

One post focusses on bioinformatic analyses of genome evolution following whole genome duplication events. This post is available either full-time (35 hours per week) for two years (with potential for extension up to 3 years) or part-time (e.g. 0.5 FTE, 0.75 FTE) for a longer period, accommodating candidates seeking part-time working arrangements.

Both posts will be based primarily on campus at the Roslin Institute; however, we are open to considering flexible working patterns (on a contractual basis) and requests for hybrid working (on a non-contractual basis) that combine a mix of remote and regular on-campus working.

For informal enquiries, please get in touch with Professor Dan Macqueen (daniel.macqueen@roslin.ed.ac.uk)

For more details about the project in which these post docs are embedded see https://-www.rediploidisation.org/ For more information about Professor Macqueen's research group - see https://www.macqueenresearchgroup.com/ Please see the full advert and apply here:

https://elxw.fa.em3.oraclecloud.com/hcmUI/-CandidateExperience/en/sites/CX_1001/job/11979

The salary for these posts is UE07 40,247 to 47,874 per annum (pro rata if part time).

Your skills and attributes for success:

PhD in relevant discipline of biology Extensive experience in comparative or evolutionary genomics and bioinformatics Proven skills in a range of advanced omics technologies Demonstrated interests in genome evolution Proven track record of publishing first author papers in high quality journals Potentially skills in lab work required to produce high quality omics datasets

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.

Dan Macqueen <daniel.macqueen@roslin.ed.ac.uk>

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SmithC GenomeEvol

Postdoctoral Positions: Bioinformatic and single-cell omics approaches for studying genome evolution in microbial eukaryotes

The Department of Biological Sciences at Smith College invites applications for two benefits eligible postdoctoral fellow, focusing on genome evolution in microeukaryotes (aka protists), to begin on or after April 1, 2025. The bulk of the work will focus on bioinformatic analyses of data generated in the lab from diverse amoebae, including species sampled from extreme (e.g. low pH, high temperature) environments. The initial appointment is for one year, with the possibility of extending for additional years. The position will be housed in Professor Laura Katz's laboratory in the Department of Biological Sciences ; questions should be directed to lkatz@smith.edu.

The goals of this research include characterizing genome architecture in poorly-studied clades and reconstructing the evolutionary history of both genes and species (i.e. species delimitation). The ideal candidate will: 1) be a productive researcher with interests in both biodiversity and phylogenomics of microorganisms; 2) have experience identifying and isolating diverse protists; 3) have knowledge of bioinformatic and/or phylogenetic tools; 3) have excellent communication and interpersonal skills; and 4) be interested in collaborating with graduate and undergraduate students in the laboratory.

Research in the Katz lab aims to elucidate principles of the evolution in eukaryotes through analyses of microbial groups, and to assess how these principles apply (or fail to apply) to other organisms. Currently we focus on three interrelated areas: (1) characterizing evolutionary relationships among eukaryotes using single-cell omics and phylogenomics; (2) exploring the evolution of germline vs somatic genomes; and (3) describing the phylogeography and biodiversity of protists in local environments (bogs, fens, coastal habitats).

Located in Northampton, MA, Smith College is the largest womens college in the country and is dedicated to excellence in teaching and research across the liberal arts. The College is a member of the Five College Consortium with Amherst, Hampshire and Mt. Holyoke Colleges, and the University of Massachusetts Amherst and students cross-enroll and faculty cross-teach across the Five Colleges.

Submit application through Smiths employment website with a cover letter, curriculum vitae, sample publications and the contact information for three confidential references. Finalists may be asked for additional materials. Review of applications will begin on February 15, 2025.

https://tinyurl.com/bde3aruy Laura Katz <lkatz@smith.edu>

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

Switzerland ChemicalImpactsGeneticDiversity

Switzerland.ChemicalImpactsGenetics

PostDoc position to predict genetic susceptibility to chemicals in environmentally-relevant species (m/w/d) 100%

Location: Eawag, the Swiss Federal Institute of Aquatic Science and Technology, Department of Environmental Toxicology (Utox), Dï¿½bendorf, Switzerland.

Project background: Chemical pollution threatens biodiversity of ecosystems, yet we know little about different species' genetic susceptibility to chemicals. Elucidating the relationship between chemical exposures and population genetics for diverse species is essential to protect genetic variability in ecosystems and determine

an ecosystem's resilience and adaptation potential following chemical exposure. However, lab- and field-based methods to assess chemical impacts on the genetics of populations are impossible to conduct for all combinations of chemicals and species. Therefore, computational methods are necessary to help characterize and predict genetic susceptibility to chemicals for different species in an ecosystem.

Project description: In this project, the postdoc will model the relationship between genetic susceptibility to chemicals and adverse outcomes in different species. This project involves curating and integrating diverse data sources related to, e.g., chemical toxicity, spatial chemical use, genetic variation, and species occurrence. Different approaches can be used to develop these methods, including data integration to build/characterize new data linkages, adverse outcome pathway (AOP)-based approaches, or gene-environment association methods. There is also room for development of new ideas and methods by the postdoc. As a starting point, this project will focus on pesticide-induced neurotoxicity for D. rerio and C. elegans before expanding the predictive models to less well-studied species. This postdoc position is purely computational and is for an individual who enjoys programming or is interested in further developing their programming skills.

As a candidate for this project, you should have a PhD in environmental sciences, toxicology, bioinformatics, or a similar field. Experience in programming (R or Python preferred), geospatial analysis, and managing big data would be a benefit. Knowhow in genetics would be an additional asset. A strong work ethic, mature teamwork skills, and good English knowledge are essential.

Eawag is a modern employer and offers an excellent working environment where staff can contribute their strengths, experience and ways of thinking. We promote gender equality and are committed to staff diversity and inclusion. The compatibility of career and family is of central importance to us. For more information about Eawag and our work conditions, please consult www.eawag.ch and www.eawag.ch/en/aboutus/-working/employment . The deadline for applications is 14 February 2025 or until the position is filled. Your application should include a cover letter explaining your research background and motivation to apply for this position, a CV with a list of publications, copies of your academic qualifications, and contact information for two references. The position is for 2.5 years with the starting date for this position as soon as possible upon agreement.

For further information, please contact Dr Marissa Kosnik.

We look forward to receiving your application. Please send it through the following webpage, as any other way of applying will not be considered. https://apply.refline.ch/673277/1233/pub/1/-index.html Marissa B. Kosnik, PhD Group Leader in Systems Biology Department of Environmental Toxicology Eawag, Swiss Federal Institute of Aquatic Science and Technology Ueberlandstrasse 133 8600 Dï¿½bendorf, Switzerland

"Kosnik, Marissa" <Marissa.Kosnik@eawag.ch>

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UAdelaide ReptileBrianAdaptation

(Level A) $78,544 - $105,611 per annum plus an employer contribution of 17% superannuation applies.

Fixed term position for 2 years

Postdoc opportunity - Plastic brains: Neural adaptations to changing environments in reptiles

Projects summary: A fixed-term Level A grant-funded researcher position is available for two years as part of an ARC Discovery project on the evolution of brains in snakes and lizards, in the School of Biological Sciences at the University with Dr Jenna Crowe-Riddell and A/Prof. Kate Sanders. The project collaborators also include Prof. Shaun Collin from La Trobe University, Dr Alice Clement and Prof Mike Lee from Flinders University and A/Prof. Alison Davis Rabosky from the University of Michigan, USA.

The aim of the project is to generate new knowledge on the evolution of squamate reptile brains as these animals adapted to new habitats and climates. The project explores how brains have evolved in three groups, dragons, goannas and venomous snakes, with afocus on Australian adaptive radiations. Complementing these macroevolutionary approaches, the project also explores dynamics of embryonic and ontogenetic brain growth to understand the evolutionary lability of reptilian brains in response to environmentaland climatic change.

The project uses soft tissue micro-CT scanning (diffusible iodine contrast-enhanced micro-CT scanning) of herpetological specimens from museumcollections to generate high-resolution models of brain morphology. This will be complemented by quantitative analyses to determine neuronal packing in squamate brains (e.g.

histology, isotropic fractionation and flow cytometry).

The project has access to state-of-the-art microscopy services through Adelaide Microscopy at the University and the Bioimaging Platform at LaTrobe University. The project also has access to high-powered workstations and microCT scanning facilities based at the University of Adelaide, Flinders University and the University of Michigan.

To be successful you will need: 1. A PhD in the discipline of evolutionary biology, morphology/cell analysis, comparative neurobiology, and/or equivalent qualifications or research experience in related areas. 2. Track record of publication of research in high quality, peer-reviewed journals relative to opportunity and evidence of being involved in professional activities related to research. 3. Effective organisational skills including the ability to prioritise and manage workload within a busy environment to meet competing deadlines. 4. Strong interpersonal and communication skills with the demonstrated ability to work collaboratively and productively with staff.

The path to Adelaide University

We are on an exciting path to Adelaide University as we prepare to open our doors in January 2026. Adelaide University will combine the strengths of the University of Adelaide and the University of South Australia, and we are dedicated to creating an accessible and future-focused educational powerhouse that fosters economic andsocial wellbeing through ground-breaking research and innovative teaching.You can learn more about Adelaide University on our website and more information will be provided throughoutthe recruitment process.

Enjoy an outstanding career environment

The University is a uniquely rewarding workplace. The size, breadthand quality of our education and research programs - including significantindustry, government and community collaborations - offers you vast scope and opportunity for a long, fulfilling career.

It also enables us to attract high-calibre people in all facets of our operations, ensuring you will be surrounded by talented colleagues, many world-leading. Our work's cutting-edge nature - not just in your own area, but across virtually the full spectrumof human endeavour - provides a constant source of inspiration. Our culture is one that welcomes all and embraces diversity consistent with our Staff Values and

Behaviour Framework and our Values of integrity, respect, collegiality, excellence and discovery. We firmly believe that our people are our most valuable asset, so we work to grow and diversify the skills, knowledge and capability of all our staff.

We embrace flexibility as a key principle to allow our people to manage the changing demands of work, personal and family life. Flexible working arrangements are on offer for all roles at the University.

In addition, we offer a wide range of attractive staff benefits. These include: salary packaging; flexible work arrangements; high-quality professional development programs and activities; and an on-campus health clinic, gym and other fitness facilities.

Learn more at: adelaide.edu.au/jobs

Your faculty's broader role

The Faculty of Sciences, Engineering and Technology is a multidisciplinary hub of cutting-edge teaching and research. Many of its academic staff are world leaders in their fields and graduates are highly regarded by

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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

UC London airborne eDNA

Dr Littlefair has been awarded a UKRI Future Leaders Fellowship which will investigate how ecological communities are responding to human impacts globally and deliver technological solutions to the problem of scale in biodiversity monitoring using the air quality networks. We are seeking an experienced postdoctoral scientist to carry out field, laboratory and bioinformatics research associated with the Future Leaders Fellowship. Your role will be to conduct laboratory and field experiments characterising the nature and dispersion of airborne eDNA. You will conduct fieldwork and work closely with Dr Martin Wilkes (co-investigator, University of Essex) to experimentally validate models of particulate dispersal which will allow us to estimate the effects of wind flow on sampling. You will also use long-term datasets collected by national air quality networks to explain finescale temporal variation in species richness, turnover, and community composition, and how these change over time according to environmental variation and human impacts.

This role is an open-ended contract with a funding end date of 31/08/2028 in the first instance.

To apply for the job: https://www.ucl.ac.uk/work-at-ucl/search-ucl-jobs/details?jobId=32004&jobTitle=-Research+Fellow+-+Molecular+Ecology Applications close on 12 March 2025.

For informal enquiries please email Joanne Littlefair j.littlefair@ucl.ac.uk

"Littlefair, Joanne" <j.littlefair@ucl.ac.uk>

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UDebrecen BirdBehavioralEvolution

HU-RIZONT FELLOWSHIP IN BREEDING ECOLOGY & MIGRATION OF SHOREBIRDS

POSITION OVERVIEW. We are seeking a motivated and talented field biologist to join our team. The HU-RIZONT Fellow will play a crucial role in implementing field investigations of breeding and non-breeding shorebirds. We seek applicants with strong background in evolutionary biology, animal behaviour or ecology, and willingness to learn microbial ecology. The position is part of a collaborative project "The role of migratory birds in spreading antimicrobial resistance" funded by the Hungarian Research agency (HUN-REN) for 3 years.

ABOUT US: The position is based at University of Debrecen (Hungary) where our team has approximately dozen PhD students, postdocs and collaborating academics. The Fellow will be mentored by an international team of scientists from Oxford, Sheffield and Trondheim. We aim high profile publications (see below). Beyond significance in ecology, animal behaviour and evolution, our research has direct implications for biodiversity conservation by preserving species and by working with local communities to protect shorebird habitats. We work globally using an international network of scientists and conservationists, see www.szekelylab.com FURTHER DETAILS. The main task of Fellow is to carry out field investigations of both breeding and non-breeding shorebirds, use efficient microbiological sampling protocols in the field, carry out data analyses and publish papers. In addition, s/he will need to coordinate field investigations in several field sites in Europe and Africa, assist research of MSc and PhD students and possibly contribute at modest level to postgraduate teaching (all in English). We seek applicants with strong research background in one (or more) of the following fields: behavioural ecology, population ecology, field biology, wildlife conservation, disease ecology and microbiology. Applicants should have a Ph.D. in animal ecology, behavioural ecology, population demography or a related field, and a strong background in quantitative analyses. Good communication and interpersonal skills are essential. Knowledge of programming languages such as R is required, and experience with biostatistics or demography is desirable. Proficiency in English is essential as is strong research track record matching the career stage of the applicant. Extensive field experience, bird ringing and trapping, and full driving licence are essential.

DURATION: The position is available for 3 years starting immediately. The initial contract will be for one year with the possibility of extension for further two years, depending on the candidate's performance.

SALARY: The gross salary is up to 1,000,000 HuF per month (approx 2,500 EURO). Living in Hungary is substantially cheaper than in Western Europe, and the salary we offer is equivalent of professorial salary in Hungary. Social and health insurance contributions are independent of salary and paid by the employer.

ENVIRONMENT: The position is based in Debrecen: a vibrant and liveable city in eastern Hungary with large international student community. Debrecen has good public services, and rental housing and food are affordable. The Fellowship is based at the Department of Evolutionary Zoology. Our research team works closely with Hortobagy National Park - a UNESCO Heritage Site just outside Debrecen.

HOW TO APPLY: Please send i) a cover letter explaining your research interests and suitability for the position, ii) your CV with a list of scientific publications, and iii) contact information of two referees to Ms Rita Nagy nagy.rita@science.unideb.hu

Please use the subject line "HU-RIZONT Fellowship application." Only shortlisted candidates will be contacted for an interview. Application deadline: 28 February 2025.

Selected recent publications by our team: Prof T Szekely (Debrecen/Bath), Prof Sam Sheppard (Oxford), Prof Robert Freckleton (Sheffield), Prof Brett Sandercock (Trondheim). For our complete track record, please see GoogleScholar and ResearchGate.

Alfaro, M.,, B.K. Sandercock .... 2020. Habitat selection and space use of Upland Sandpipers at the nonbreeding grounds. Avian Conservation and Ecology 14:18.

Amano, T., T. Szekely, ...2018. Successful conservation of global waterbird populations depends on effective governance. Nature 553: 199-202.

Bulla, M. et al. 2017. Flexible parental care: Uni-

parental incubation in biparentally incubating shorebirds. Scientific Reports 7:12851.

Kubelka, V...R. Freckleton, T. Szekely. 2018. Global pattern of nest predation is disrupted by climate change in shorebirds. Science 362: 680-683.

Kubelka, V, B. K. Sandercock, T. Szekely, R. P. Freckleton 2021. Animal migration to northern latitudes: environmental changes and increasing threats. Trends in Ecology & Evolution 37: 30-41.

McDonald, G. C., ...T. Szekely....2023. Remating opportunities and low

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UFlorida Genetics AI

Postdoc position in Genetics and AI

Contact: Juannan Zhou (juannanzhou@ufl.edu)

Start: flexible Duration: 1-5 years Applications close: open until filled

Overview: We are seeking a highly motivated and skilled individual to join the Zhou research group in the Department of Biology at the University of Florida as a Postdoctoral Research Associate.

The successful candidate will be a key contributor to an NIH-funded project aimed at elucidating the underlying genetic mechanisms of complex traits in humans and model organisms. This position offers a unique opportunity to engage in cutting-edge research at the intersection of quantitative genetics, biomedical sciences, and machine learning.

The successful candidate will be expected to develop novel machine learning models (including deep learning and Bayesian nonparametric methods) and computational pipelines for modeling large-scale genotype-phenotype and genomics data in humans and model organisms.

The candidate will also actively involve in designing and executing high-throughput phenotyping experiments using technologies such as microfluidics, flow cytometry, single-cell DNA-seq and RNA-seq.

The position also offers the opportunity to develop new mathematical models for studying complex genotype-phenotype maps and the evolution of complex traits under the influence of epistasis.

ÂRequired QualificationsÂ - Ph.D. in any field of quantitative biology, computer science, physics, engineering, or related disciplines. - Strong quantitative skills, including machine learning, statistics, bioinformatics, etc. - Demonstrated ability to work both independently and collaboratively within a research team. - Excellent written and verbal communication skills. - Established publication record.

Salary Information $55,000-$60,000

Interested candidates may contact Dr. Juannan Zhou directly via email at juannanzhou@ufl.edu with a recent CV. A formal application requires submission of a CV, a cover letter outlining research experience and interests, and contact information for three professional references.

“Zhou, Juannan” <juannanzhou@ufl.edu>

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UGlasgow ComputationalEvolutionaryBiology

3y postdoc role in computational evolutionary biology at the University of Glasgow available:

The role is based within the Viral Informatics, Biostatistics, and Evolution lab (https://vibelab.co.uk/) led by Dr Liam Brierley, whose mission is to use new computational methodologies to better understand how animal viruses evolve towards infecting andcause disease within new host species, including potential for human pandemics.

The project will involve developing innovative supervised machine learning and graph analysis frameworks using genomic characteristics and protein expression to predict likely evolutionary links between host species, tissues,and RNA viruses within a wide range of families, e.g., paramyxoviruses and coronaviruses.

This role would suit a PhD holder coming from bioinformatics, quantitative virology, mathematical biology, or computer science. Candidates who have a Masters or equivalent or are working towards a PhD are welcome to apply at Grade 6.

The post is funded by the MRC for three years and will be based out of the Centre for Virus Research at the University of Glasgow. Applications are open until 18th Mar 2025.

For more details and how to apply, seethe UoG vacancy page. For any queries, contact liam.brierley@glasgow.ac.uk.

Dr Liam Brierley (he/him) Research Fellow MRC-University of Glasgow Centrefor Virus Research Sir Michael Stoker Building, Garscube Campus, 464 Bearsden Road, Glasgow G61 1QH

Tel: 0141 330 6257 Email:liam.brierley@glasgow.ac.uk Web: https://vibelab.co.uk/ Liam Brierley <Liam.Brierley@glasgow.ac.uk>

UKansas DrosophilaFitness

We are recruiting a postdoctoral researcher to join John Kelly, Stuart Macdonald and Rob Unckless on an NSF funded project to study the genomic basis of male fitness variation in wild populations of Drosophila. Our research groups at the University of Kansas use a range of genetic, genomic, and statistical techniques to address basic questions in evolutionary genetics. The postdoctoral researcher will help to lead a collaborative project exploring the genomic basis of fitness variation in Drosophila melanogaster. The project will combine field and laboratory experiments to identify the processes generating fitness variation among individuals and quantitatively estimate how that variation results in allele frequency change. This project employs massive-scale genome sequencing, data that will enable a wide range of novel, independent projects. The project also involves a substantial theoretical component including algorithm development. The breadth of the project, and depth of the data we are collecting, allows for a range of questions to be addressed, providing the opportunity for the successful candidate to position themselves as an independent investigator.

The environment for evolutionary and quantitative genetics/genomics at the University of Kansas is exceptional, with a number of relevant research groups in EEB (https://eeb.ku.edu/faculty), MB (https://-molecularbiosciences.ku.edu/faculty), and Center for Genomics (https://genomics.ku.edu/). Collectively our groups provide a strong, collaborative training environment. The tentative start date for the position is August 1, 2025, but that is negotiable. Salary: $60,000, commensurate with qualifications and experience.

Required Qualifications: 1. A PhD in evolution, genetics, genomics, or a related field. 2. A first-author publication or preprint based on your doctoral work that shows your ability to initiate and execute a research project. 3. Experience with molecular/population/quantitative genetics, as evidenced by application materials and/or publications. 4. Experience with bioinformatics (such as coding or scripting in R or Python) as evidenced by application materials.

Preferred Qualifications: 1. Experience working with genomic datasets resulting from next- generation sequencing applications (e.g., whole genome sequencing, RNAseq). 2. Experience working with undergraduates or other researchers in a team setting. A complete online application consists of: (a) CV/Resume, (b) Cover Letter outlining how the required and preferred qualifications are met, relevant experience, and interest in the position, and (3) Contact information for three references that includes phone/email.

Inquiries about the position can be directed to John Kelly (jkk@ku.edu), Stuart Macdonald (sjmac@ku.edu) or Rob Unckless (unckless@ku.edu). Applications should be submitted directly through the KU employment portal: employment.ku.edu/staff/29761BR

“Kelly, John K” <jkk@ku.edu>

UMainz Germany GenomicsNeurobiologyAnts

PostDoc Position: Evolution and Organization of Ant Olfactory Systems

We are seeking a postdoc to join an interdisciplinary team to study the evolution and organization of the olfactory system in ants. The team includes Carlotta Martelli (neurobiology and computational biology), Hugo Darras (evolution and genomics), and Susanne Foitzik (behavior and evolution), and two other students.

The project will explore the organizational principles of the olfactory system in Temnothorax ants, from genes to neurons to behavior. The long-term goal is to identify

evolutionary signatures of non-canonical organizations of the olfactory system and to understand the computational consequences of different architectures for odor coding and behavior. This innovative, interdisciplinary project combines neurobiological and behavioral experiments, molecular genetic analysis, genomics, transcriptomics, and theory.

This position will focus on bioinformatics applied to genomic, single-cell transcriptomic, and neurobiological data, and will be co-supervised by H. Darras and C. Martelli, and in collaboration with S. Foitzik. The ideal candidate should have a strong background in bioinformatics, with practical or theoretical experience in single-cell transcriptomics and comparative genomics. A keen interest in neurobiology is essential. Additional skills in evolutionary biology, insect handling, and programming (preferably in Python) would be advantageous, but are not mandatory.

To apply, please send a letter of motivation, CV and contact information of two referees to cmartell@uni-mainz.de Applications will be reviewed on a rolling basis, and candidates will be considered in the order they are received.

For additional information, please contact us!

Carlotta Martelli cmartell@uni-mainz.de, https://-mrtlllab.uni-mainz.de/ Hugo Darras hdarras@uni-mainz.de, https://www.blogs.uni-mainz.de/fb10-evolutionary-biology/darras-hugo/ Susanne Foitzik foitzik@uni-mainz.de, https://www.blogs.uni-mainz.de/fb10-evolutionary-biology/foitzik-susanne-prof-dr-2/ iDN and iomE, Johannes Gutenberg University Mainz, Germany

Hugo Darras Assistant Professor Johannes Gutenberg University Mainz Hanns-Dieter-Hï¿½sch-Weg 15 55128 Mainz, Germany

"Darras, Dr. Hugo" <hdarras@uni-mainz.de>

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UManchester Two ExperimentalEvolution

Two 5-year research positions in experimental evolution are available to study how mobile genetic elements and defence systems shape bacterial genome evolution in the lab of Prof Michael Brockhurst at the University of Manchester.

Position 1 is for a postdoctoral research associate: https://www.jobs.manchester.ac.uk/Job/-JobDetail?JobId=31500 Position 2 is for a research assistant: https://www.jobs.manchester.ac.uk/Job/-JobDetail?JobId=31497 Both positions are based within the Microbial Evolution Research Manchester cluster https://sites.manchester.ac.uk/merman/ at University of Manchester, Manchester, UK

If you want to find out more about these roles please email michael.brockhurst@manchester.ac.uk

Michael Brockhurst <m_brockhurst@icloud.com>

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UMaryland EvolQuantGenomics Feb

The Fritz Lab is seeking a postdoctoral scholar who will develop and execute research to determine the evolutionary history of structural variants involved in rapid insect adaptation.

Location: University of Maryland Institute for Advanced Computer Studies, College Park, MD

Supervisor: Principal Investigator (PI) Megan Fritz

Salary: $62,000 plus University benefits (http://-uhr.umd.edu/benefits/)

Category Type: Non-tenured, continuing contract (12 mo.)

Duration: 24 months, contingent upon performance

Project Topic: Structural variants and their role in rapid adaptation to human-imposed selection.

Position Description: The postdoctoral project leader will conduct experiments to quantify nucleotide sequence and structural changes across the genome over time, as well as characterize haplotypic variation in adaptive genomic regions from long-read data. The postdoc will be responsible for collection and analysis of data, reporting, communication of results at conferences and through peer-reviewed manuscripts, as well as mentorship of graduate and undergraduate researchers.

Minimum Requirements: Ph.D. in Biology, Genetics, Entomology, or related fields. Candidates must have experience using standard molecular techniques (e.g. DNA isolation, PCR, gel electrophoresis) and substan-

tial experience conducting population and evolutionary genomic analyses.

Preferred Qualifications: Analysis of large genomic datasets (Illumina short reads, Oxford nanopore long reads), familiarity with Linux command line, and use of R and/or Python.

For best consideration apply by February 21, 2025. Interested applicants should send a cover letter, CV/resume, and a list of 3 references to Megan Fritz (mfritz13@umd.edu).

The University of Maryland, College Park, actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, political affiliation, and gender identity or expression. Minorities and women are encouraged to apply.

Megan Fritz

Associate Professor Department of Entomology Institute for Advanced Computer Studies University of Maryland

4291 Field House Dr. Plant Sciences Bldg. Rm. 3126 College Park, MD 20742 Office Phone: 301-405-3945 Website: www.meganfritzlab.com Twitter Handle: @MosquitoDoc she/her

Megan Lindsay Fritz <mfritz13@umd.edu>

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UNebraska Lincoln PopulationBiology

Population Biology Postdoctoral Research Fellowship School of Biological Sciences University of Nebraska-Lincoln

The University of Nebraska-Lincoln (UNL) School of Biological Sciences is seeking applications for a two-year postdoctoral position in the Population Biology Program of Excellence.

The goal of the Population Biology-POE Postdoctoral Fellowship is to stimulate synergistic interactions between faculty and postdoctoral scholars broadly interested in the area of Population Biology. POE postdoctoral fellows pursue a research program under the sponsorship of an EEB faculty member and are expected to enhance graduate education, serve as a model for graduate students in career development, and promote interactions among faculty at UNL. While in residence, the postdoctoral fellow is expected to lead a seminar, symposium, or outreach project that will appeal to Population Biologists across campus.

EEB faculty at UNL are highly integrative and collaborative, using a wide array of approaches and study systems to study a diverse set of biological questions, from the molecular determinants of adaptation and speciation to multimodal animal communication to the community ecology of extinct mammals to the ecology and evolution of infectious disease.

The expected salary will be $49,000 per year, with an anticipated starting date of September 1, 2025 or later.

Lincoln, Nebraska, is consistently rated as one of the best places to live in America, with a low cost of living, over 130 miles of bike trails throughout the city, and a vibrant restaurant and music scene.

Minimum Required Qualifications We are seeking applicants who have recently completed, or will complete before the start date, their Ph.D. and who conduct cutting edge research related to faculty research areas in the Ecology, Evolution, and Behavior (EEB) section of the School of Biological Sciences (https://biosci.unl.edu/-research-areas).

Application Process Review of applications will begin April 4, 2025 and continue until the position is filled. Interested candidates should submit application materials to https://employment.unl.edu/, requisition F_250002. Required documents include a curriculum vitae, a 1-page description of previous or current research, and a 2-3 page description of proposed research. Combine these statements into a single document for upload. In addition, arrange for two (2) recommendation letters from non-UNL faculty and one (1) recommendation letter from the UNL faculty sponsor - a total of three (3) letters - to be emailed to Dr. Colin Meiklejohn at cmeiklejohn2@unl.edu by the review date. The subject line should read “Population Biology Post-doc application reference.”

The research proposal should be developed in collaboration with the proposed faculty sponsor. The successful applicant must have completed their degree by the start date. Priority will be given to applicants who are new to UNL. Research descriptions for past and current POE postdoctoral fellows can be viewed at http://-biosci.unl.edu/population-biology/ . As an EO/AA employer, the University of Nebraska considers qualified applicants for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orien-

tation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See https://www.cms.unl.edu/equity/-notice-nondiscrimination . Colin Meiklejohn Associate Professor School of Biological Sciences University of Nebraska-Lincoln 302 Manter Hall 1104 T Street Lincoln, NE 68588-0118 cmeiklejohn2@unl.edu

Colin Meiklejohn <cmeiklejohn2@unl.edu>

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UNorthCarolina Wilmington PopulationGenomics

The Center for Marine Science invites applications for Postdoctoral Scholar with the expertise in Population Genomics. More specifically the Halanych lab is looking for a postdoctoral scholar to assess population genomics and evolutionary adaptation in genomes of Antarctic marine invertebrates. The work involves chromosome-level genome, single nucleotide polymorphism (SNP), and genome skimming data. This position will include some data collection but will focus mainly on analyses and preparation of publications. Computational and writing skills will be emphasized during candidate selection.

The primary responsibility of the postdoctoral scholar is to conduct research and upon initial appointment, may provide oversight of research projects and personnel, project management, assistance in development and writing of proposals and manuscripts, data acquisition, higher-level interpretation of computational results and comprehensive data analysis. These activities may be carried out in both field and laboratory settings.

Postdoctoral appointments are term-limited based on the availability of funding. Postdoctoral scholars are typically assigned 12-month full-time appointments for a 1-2 year term appointment not to exceed a total of five years.

Ph.D. or equivalent doctorate in one of the science fields mentioned above and conferred before the appointment start date but no more than five (5) years prior to the appointment start date.

Applicants who are ABD for the terminal degree may be considered to be eligible for employment if the doctoral degree is conferred by the appointment start date.

Exceptions to the 5-year degree requirement may be waived in exceptional circumstances.

For questions please email: halanychk@uncw.edu.

Please see the full announce and apply for the position here: https://jobs.uncw.edu/postings/35116 . Kenneth M. Halanych Executive Director Center for Marine Science

UNC Wilmington

5600 Marvin K Moss Lane, Wilmington, NC 28409-5928

https://scholar.google.com/citations?user=-T9MulP4AAAAJ&hl=en&oi=ao https://halanych-lab.github.io Editor-In-Chief The Biological Bulletin http://www.journals.uchicago.edu/toc/bbl/current "Halanych, Kenneth M" <halanychk@uncw.edu>

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UPittsburgh EvolPlantMicrobeInteractions

The Department of Biological Sciences at the University of Pittsburgh invites applications for a postdoctoral associate in Plant-microbe interactions, to begin August 2025 (negotiable). Applicants must have a background in plant biology, microbiology, genetics, ecology, or evolution with a PhD in ecology, biology or an applicable field.

The successful candidate will work with Tia-Lynn Ashman in the Department of Biological Sciences (https://-www.biology.pitt.edu/person/tia-lynn-ashman) to conduct research focusing on the reciprocal effects of polyploidy (whole genome duplication with or without hybridization) and the plant microbiome, including the feedback between microbial community and plant phenotype. Work will include greenhouse experiments, observational sampling in the field, and/or use of large comparative data sets. Research responsibilities include leading experiments, analyses, and manuscript preparation from collaborative research. The postdoc will also be encouraged to participate in outreach and science communication activities.

Minimum requirements include PhD in ecology, evolution, genetics, microbiology or related field, ability to carry out experiments and conduct statistical analyses in R, evidence of scholarly work such as research presentations and publications; work both independently and effectively with others in a team environment, proven

ability to achieve goals and manage multiple tasks. Preferred qualifications include expertise with plant microbiome analysis, skills and background in plant microbial ecology, demonstrated application of novel conceptual, experimental or statistical approaches associated with the study of polyploidy, documented record of conducting high-quality scientific research, demonstrated by publication in peer-reviewed journals, demonstrated efficient and strong writing skills.

The Department of Biological Sciences is a highly interactive community situated on the Oakland campus of the University of Pittsburgh. We are dedicated to the mutual success of our faculty and students in our research, education, and outreach missions. The department and university nurture a strong teaching community with active efforts in teaching innovation and pedagogical research. Pittsburgh is a city that is often voted "most livable" in the nation. We are dedicated to fostering an inclusive and welcoming environment that values and nurtures diverse perspectives (https://www.provost.pitt.edu/university-pittsburgh-embracing-diversity-and-inclusion). Further information about the Department of Biological Sciences is available at: http://www.biology.pitt.edu . To apply, candidates should submit PDF documents of the following to Talent Center (http://join.pitt.edu): (a) a letter of application, (b) a current CV. At least one letter of reference should be sent by the recommender to <tia1@pitt.edu>.

Applications will be reviewed starting March 15 2025 and will continue until the position is filled. The Dietrich School of Arts and Sciences is committed to building and fostering a culturally diverse environment, so the ability to work effectively with a wide range of individuals and constituencies in support of a diverse community is essential. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity, and diversity. EOE, including disability/vets.

Dr. Tia-Lynn Ashman (she/her) Distinguished Professor Department of Biological Sciences University of Pittsburgh Pittsburgh, PA 15260

Phone 412-624-0984

"tia1@pitt.edu" <tia1@pitt.edu>

UTexas ReefFishEvolution

Two weeks left to apply for postdoctoral positions in coral reef fish systematics, taxonomy, ecology, and evolution (University of Texas at Austin and University of Washington)

We (Luke Tornabene at UW and Simon Brandl at UT Austin) are searching for two postdoctoral researchers to work on the taxonomy and systematics (position 1, UW) and ecology and evolution (position 2, UTA) of cryptobenthic coral reef fishes. The positions will be part of a large-scale, collaborative effort to describe and better understand the diversity of these fishes across several locations in the Indo-Pacific, and to build capacity for local researchers to investigate cryptobenthic fish biodiversity.

Detailed descriptions and application instructions for each position are provided below and can also be found here https://fishandfunctions.com/join and here https://-/www.fishsystematics.com/. Candidates are welcome to apply to either or both of the positions if they meet required qualifications. For any questions, please contact Dr. Tornabene (ltorna1@uw.edu) and/or Dr. Brandl (simon.brandl@austin.utexas.edu).

POSITION 1

POSTDOCTORAL RESEARCHER IN ICHTHYOLOGY:CRYPTOBENTHIC CORAL REEF FISHES

Institution: University of Washington - School of Aquatic and Fishery Sciences & Burke Museum of Natural History and Culture

Location: Seattle, WA (with fieldwork in the Tropical Indo-Pacific)

Start Date: Flexible, ideally during the second half of 2025

Duration: 2 years

Application Deadline: Priority given to applications received by 15 February, 2025

Advisor: Luke Tornabene

Co-mentor: Simon J. Brandl (UT Austin)

The University of Washington's School of Aquatic and Fishery Sciences (SAFS) and the Burke Museum of Natural History and Culture invite applications for a postdoctoral researcher position focused on the systematics,

phylogenetics, and evolution of cryptobenthic coral reef fishes. This project is in collaboration with the University of Texas and aims to advance our understanding of the biodiversity and evolution of these often overlooked, yet ecologically significant, reef-dwelling fish species.

Research Focus:

The postdoc will investigate the systematics and evolutionary history of cryptobenthic fishes, a group that includes small, often inconspicuous species that play crucial roles in coral reef ecosystems. The project will combine molecular, morphological, and ecological approaches, with a particular focus on taxonomy, phylogenetics, molecular evolution, and the biogeographical patterns of these fishes across the Tropical Indo-Pacific.

Key aspects of the project include:

- Phylogenetic and taxonomic analyses using molecular data (genetic sequencing and bioinformatics tools).

- Exploration of the evolutionary history and diversification of cryptobenthic fishes in relation to coral reef ecosystems.

- Fieldwork in tropical Indo-Pacific regions to collect specimens and assess biodiversity patterns.

- Integration of ecological data with molecular and evolutionary frameworks to investigate adaptive radiation, speciation, and niche differentiation.

Responsibilities:

- Conduct molecular research (including next-generation sequencing) and bioinformatic analyses on fish samples from the Indo-Pacific region.

- Perform fieldwork in tropical coral reef environments, including fish collection and ecological surveys.

- Contribute to the development of phylogenetic hypotheses and taxonomic revisions for cryptobenthic species.

- Collaborate with colleagues at the University of Texas and other partners to integrate ecological and evolutionary data.

- Develop and co-lead workshops on morphological and molecular systematics

- Lead or co-author manuscripts for publication in peer-reviewed journals.

- Participate in outreach and educational activities related to coral reef biodiversity.

Required Qualifications:

- PhD in ichthyology, marine biology, evolutionary biology, or a related field.

- Experience with phylogenetic analyses and systematics, ideally including work with fish species.

- Knowledge of marine biodiversity, coral reef ecosystems, and ecological interactions.

- Excellent written and oral communication skills, with a track record of publishing in peer-reviewed journals.

Desired Qualifications:

- Strong background in molecular techniques, including DNA sequencing, bioinformatics, and molecular evolution (e.g., RADseq, genome sequencing).

- Experience with species delimitation and phylogenetic methods, preferably in aquatic organisms.

- Demonstrated ability to conduct fieldwork in remote and challenging environments, preferably in tropical regions.

- Scientific diving training.

- An interest in exploring the intersection of systematics, ecology, and evolution in biodiversity hotspots like coral reefs.

- A collaborative, interdisciplinary mindset and a passion for scientific discovery.

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UVermont ModellingDiseaseEvolution

Planetary Health Postdoctoral Fellow

The Lauterbur, Nunez, and Pespeni research groups in the Department of Biology at the University of Vermont (UVM), invite applications for the inaugural cohort of the prestigious Planetary Health Postdoctoral Fellowship. This full-time (1.0 FTE), 12-month postdoctoral position offers a unique opportunity to join a growing cohort of fellows as part of UVM's Planetary Health Initiative - to explore the interdependence of human well-being and the health of the environment. This is a one-year position with the possibility of a second year, contingent on successful performance. The program emphasizes collaborative and interdisciplinary research, leveraging the strengths of the Lauterbur, Nunez, and Pespeni labs.

The Planetary Health Postdoctoral Fellow will conduct innovative research focused on modeling evolutionary and ecological infectious disease dynamics within the broader context of Planetary Health. Specific areas of interest include, but are not limited to: (i) The intersection of ecosystem dynamics, host and/or pathogen evolution, and predictive modeling, (ii) Integrating questions across biological scales, such as eco-epidemiology and host-pathogen coevolution, which may make use of existing datasets and resources from UVM research groups. Existing data sets include reference and population resequencing bat genomes and sea star genomes, transcriptomes, and microbiomes. Research projects may align with the programs of one or more of the mentors (Lauterbur, Nunez, and Pespeni) or focus on a system proposed by the Fellow. In addition to research, the fellow will develop and teach one seminar-style course on a topic and at a level of their choosing with the support of a chosen mentor, allowing for flexibility to align teaching with their expertise and interests.

As part of an expanding cohort of fellows, the successful applicant will benefit from collaboration with peers and engagement in a vibrant academic community. The Vermont Advanced Computing Center (VACC) at UVM supports large-scale computation and high-throughput AI and machine learning workflows. The Department of Biology at UVM is home to nationally recognized and award-winning faculty, offering a supportive environment for interdisciplinary research and professional growth. Applicants who contribute to UVM's strategic priorities of the planetary health initiative (https://www.uvm.edu/-planetaryhealthinitiative), as well as UVM's "Our Common Ground" principles (https://www.uvm.edu/-president/our-common-ground), are strongly encouraged to apply.

Minimum Qualifications: The successful candidate should: Hold a Ph.D. degree in biology, ecology, evolutionary biology, computer science, physics, or another relevant field; Candidates up to 5 years post Ph.D. will be considered;

Preferred Qualifications: Some postdoc experience in a relevant field is preferred.

Responsibilities: The successful candidate will assume a range of responsibilities that include: Maintaining an active research portfolio focused on infectious disease modeling and planetary health, utilizing existing datasets from Dr. Pespeni, Dr. Nunez, and/or Dr. Lauterbur, or developing their own research initiatives; Developing and teaching one course at a level and on a topic of their choosing; Publishing research findings in peer-reviewed journals, contributing to the advancement of knowledge in the field; Presenting research findings at conferences, meetings of scholarly societies, and professional associations relevant to their research goals.

Training opportunities: The successful candidate will receive training on: Making progress towards securing external funding to support ongoing and future research endeavors; Strategies for achieving success in teaching endeavors while maintaining a highly active research portfolio; Building and maintaining interdisciplinary collaborations across the university.

The fellow will be part of a growing cohort and will have access to a network of support across the program.

Compensation: This is a fully benefited position with a minimum salary of $61,000 during the fellowship period, and determined based on experience. In addition, fellows will receive minimum $5,000 annually for travel expenses and professional development activities.

Application requirements: A cover letter that summarizes your research experience and goals, including addressing UVM's Our Common Ground values (https:/-/www.uvm.edu/president/our-common-ground); Your CV; A statement of research describing how your research experience and skills will contribute to Planetary Health research (https://www.uvm.edu/-planetaryhealthinitiative) at the intersection of

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UWisconsin-Madison EvolBacterialTranslation

KACAR LAB: Postdoctoral Researcher

Requirements: Qualifications: PhD. in Biochemistry, Molecular Biology or related discipline with demonstrable experience in synthetic biology and enzyme engineering, experience in molecular evolution is a plus.

Skills and Competencies: Good organizational skills are a must. Familiarity with computational tools is a plus. Ability and willingness to work independently, collaboratively, and in a team environment. Willingness to learn and to receive feedback.

Job Duties: The Ka??ar Astrobiology Group at the University of Wisconsin-Madison in the Department of

Bacteriology is looking to hire a Postdoctoral Researcher to study the evolution of the translation machinery in bacteria. Our lab works at the interface of molecular evolution, synthetic biology, biochemistry, microbiology and early life. The successful candidate will focus on building and improving newly developed experimental systems and will participate in on-going collaborations.

On campus, the candidate would be joining an outstanding community of microbiologists in which the basic and applied sciences blend. UW-Madison offers a historical and cutting-edge setting to explore the transcription and translation mechanisms and is home to world-class Bacteriology, Biochemistry and Genetics departments.

Located 2.5 hours by car from downtown Chicago, Madison is the capitol of Wisconsin and home to the University of Wisconsin-Madison (UW-Madison, www.wisc.edu). UW-Madison and the city of Madison co-occupy an isthmus between two large, beautiful lakes revered by the native Ho-Chunk Nation, creating a unique and lively atmosphere. The University and Madison offer a thriving diverse environment with ready access to cultural activities, outdoor pursuits, and stimulating neighbors and colleagues.

To Apply: Interested individuals should email their 1) CV (2 pages max); 2) Research interest statement (with relevant experience); and 3) Contact information for up to three references in a single PDF file to Maria Katsoulidis (katsoulidis@wisc.edu).

MARIA S KATSOULIDIS

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WorkshopsCourses

Berlin AngiospermDiversification Jul28-Aug8

Berlin Summer Course in Flower Morphology and Angiosperm diversification

28 July - 8 August 2025

This is the third version of a highly successful two-week workshop based at the Biological Institute of the Freie Universität Berlin and the Berlin Botanical Garden. The workshop benefits from extensive facilities, including functional microscopy laboratories and a huge plant collection of more than 20,000 species. The course is set up as lecture-based, laboratory taught, and interactive visits of the living collections.

FORMAT:

2-week workshop, lectures and hands-on practical sessions.

INTENDED AUDIENCE:

Final year undergraduate students, PhD students, post-doctoral and advanced researchers, professionals (but no formal restriction). A basic knowledge of botany is preferred but not essential.

COURSE INSTRUCTORS AND CONTACT:

Dr. Louis Ronse De Craene, Research Associate Royal Botanic Garden Edinburgh (l.ronsedecraene@gmail.com)

Prof. Julien Bachelier, Freie Universität Berlin (julien.bachelier@fu-berlin.de)

REGISTRATION FEE:

euro 800 (euro 600 for Undergraduate and Master students)

(Registration includes coffee breaks, daily lunches with snacks, but does not include travel and accommodation).

HOW TO APPLY, PAY AND SECURE A PLACE:

visit https://www.conftool.net/berlin-summer-course-2025/ For further information please contact Dr. Louis Ronse De Craene (l.ronsedecraene@gmail.com).

PROGRAMME:

Course Description and outline:

This short course will introduce students to the structure and development of flowers, with a focus on floral diversity and evolution and the significance of flowers for systematics. Major plant families will be studied within the framework of the main lineages of seed plants to understand their evolution and diversification. Additionally, students will learn to analyse, describe, and study the structure of inflorescences, flowers, and fruits, and based on their observations, to identify the main evolutionary patterns underlying their tremendous morphological diversity, as well as their potential pollination and dispersal mechanisms.

Course objectives and learning outcomes:

Through this course students will acquire the following skills:

- guidelines to identifying plants using morphological characters in the context of the molecular classification system. - a better understanding of the origin and evolution of floral structures, including their importance for classification, and of the main developmental patterns and evolutionary trends which underlie the tremendous diversity of reproductive structures. - an ability to observe and recognise key characters through the study of live floral material and the building up of floral diagrams.

Contents:

- Introduction to morphology of vegetative structures and flowers, inflorescence and flower structure (floral diagrams and formulas). - Overview of major groups of flowering plants; major characteristics of Flowers and special attributes (phyllotaxis, aestivation, merism, symmetry, floral tubes and hypanthia). - Floral evolution of the major clades of angiosperms with special emphasis on morphological adaptations and diversification.

Louis Ronse De Craene <LRonseDeCraene@rbge.org.uk>

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Berlin FreeDemographicResilience Aug7-8

Dear colleagues and friends,— — We have recently developed a new approach to study the resilience of wild animals. We would like to present this approach to you during a 2-day workshop - with no attendance fee - on Aug 7-8th 2025 in Berlin, Germany.

The idea of the workshop is to teach you how to estimate the resilience of your study population and its variation over time. Considering variation over time can provide more fine-tuned estimates of demographic resilience metrics. — This workshop is designed for holders of long-term datasets on free-ranging wildlife

populations or those who are considering to work with similar datasets in future and/or have interest and experience in demographic resilience. The aim of this workshop is also to inspire an exchange between field biologists and quantitative ecologists interested in the quantification of demographic resilience. No previous background in quantitative ecology is required.

The workshop is free of charge*, can host up to 50 persons and will be offered as a hybrid event. We can book up to 40 rooms for our guests at our venue at Bildungszentrum Erkner e. V..

If you are interested, please let us (wilder-project@izw-berlin.de) know by Feb 17th 2025, and indicate whether you 1) would like to join in person or remotely, 2) will come on your own or with your team, and 3) would like to book a room at the venue.

We would appreciate it if you spread this information to other potentially interested colleagues.

The WILDER team: Viktoriia Radchuk, Oliver Höner, Sarah Benhaiem, Adam Clark, Ella White, Julie Louvrier, Ashlee Mikkelsen and Leonie Walter — Webpage: https://www.leibniz-izw-akademie.com/-seminare/workshop-demographic-resilience Reference: Capdevila, P., Stott, I., Beger, M., & Salguero-Gómez, R. (2020). Towards a comparative framework of demographic resilience. Trends in Ecology & Evolution, 35(9), 776-786.

Material: Louvrier et al. (2025) demres: An R package to study time-varying demographic resilience Louvrier et al. in prep. Assessing time-varying demographic resilience across mammals White et al. (2025) Resilience of a long-lived mammal: time and demographic structure matter

*Costs not covered: travel, accommodation and dinners

“Walter, Leonie” <walter@izw-berlin.de>

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BlueOakRanch California EvolAnalysisBiomechanists Jul13-18

Workshop in phylogenetic comparative methods for early career biomechanists

OVERVIEW OF WORKSHOP Do you study biomechanics, locomotion, or functional performance? Are you a primarily experimental biologist who would like to expand your work to multiple species? Have you heard about phylogenetic comparative methods but are unsure how they might apply to your research field? If the answer to any of these questions is “yes,” you may be interested in an upcoming summer workshop on phylogenetic comparative biology.

The Moen lab in the Department of Evolution, Ecology, and Organismal Biology at the University of California, Riverside, will hold a summer workshop on phylogenetic comparative methods in evolutionary biomechanics. This workshop is part of an NSF CAREER grant focusing on the evolution of locomotor mechanics. Phylogenetic methods for analyzing trait evolution will be covered, particularly those methods most directly related to the evolution of biomechanical systems. A key goal of the workshop is to expose early career researchers with more experimental, single-species experience to methods and perspectives helpful in studying the evolution of their study system by analyzing data from multiple species.

No previous experience with these methods is required. Most expenses for attending the workshop will be covered. As a consequence, participation is limited to a maximum of 16 participants. We expect applications to be competitive.

ELIGIBILITY Participants should be mid-level to advanced Ph.D. students or post-docs at any stage. We will also consider early-career faculty members if the fit of their research goals highly overlaps with the workshop material. Strong applicants will have experience in one or more of the following research areas: biomechanics, locomotion, muscle physiology, and functional morphology and performance. Prior work in R will be especially helpful, though less-experienced participants will be provided materials to learn more prior to the workshop. Because learning will be facilitated by having your own data to analyze, we are particularly looking for applicants who have an interspecific dataset they can analyze or those who plan to soon collect such a dataset. More generally, we seek highly motivated applicants with a desire to expand their research into studies of phylogenetic comparative biology.

WORKSHOP AND APPLICATION DETAILS Workshop format: Most days will include lectures on the theory of methods, followed by hands-on exercises with R tutorials. We may also discuss key research papers, which will be provided to participants in advance. The workshop will finish with participants analyzing their own datasets, using the methods they have learned. Participants without their own dataset will be provided with one.

Workshop dates: The workshop will take place at the UC Blue Oak Ranch Reserve, near San Jose, CA, from 13-18 July. Most participants will be expected to arrive to the San Jose, CA, airport prior to the workshop, either late Saturday (12 July) or early Sunday (13 July). We will pick up participants from San Jose on Saturday, 19 July, and head to the reserve. Those from southern California may alternatively make arrangements to arrive at UC Riverside and ride with us to the workshop. And those from northern California or Nevada could drive directly to the workshop. Within reason, travel arrangements may be flexible.

Details of financial support: All participants will be eligible for reimbursement of up to $500 in travel expenses to San Jose. Additional travel support may be available given need. Travel to and from the field station will be provided by us. Lodging and meals the night of arrival and during the workshop will be fully reimbursed.

Application deadline: Review of applications will begin on 15 April 2025, though we will still consider applications until we have filled all available seats in the workshop.

Applications must include: (1) A cover letter answering the following questions: (a) Why do you want to participate and what do you hope to learn? (b) In which part of your current or future research do you envision yourself using phylogenetic comparative methods? (c) Do you have or plan to collect an interspecific dataset you could analyze as part of the workshop? (d) What is your previous experience with data analysis in R? With phylogenetic comparative methods in particular? (e) Do you anticipate needing additional travel support beyond the $500 for travel to San Jose? If so, what alternative sources of financial support are you seeking (e.g., other travel grants)? (f) What is the contact information for your recommendation letter writer (email and phone, if possible)? (2) A full CV (3) One recommendation letter from a research advisor or supervisor. The letter should address your motivation for applying and how the methods would fit in the context of your current research and plans.

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Cambridge UK k-merGenomics Jun1-6

Dear colleagues,

It's our pleasure to announce the k-mer workshop for biodiversity genomics hosted by Wellcome Connecting Science!

Where: Wellcome Genome Campus, Hinxton, Cambridge, UK When: 1. - 6. of June 2025 Confirmed teachers: Kathrine Janike, Rayan Chikhi, Kamil S. Jaron and Eugene Myers

We will emphasise good understanding of k-mer basics (and a few advanced concepts), uses of common k-mer tools (e.g. k-mer counting, genome profiling) and one day of k-mer hackathon on application of the workshop materials on real problems. By the end of this workshop we aim the participants to be equipped to apply/develop k-mer approaches into their own problems. We expect a minimal computational competency (familiarity with UNIX command line environment). Suitable for students and researchers.

More details and registration at https://coursesandconferences.wellcomeconnectingscience.org/event/k-mer-workshop-for-biodiversity-genomics-20250601/Registration .The registration closes on 11th of March.

On behalf of the organising committee, Kamil S. Jaron

The Wellcome Sanger Institute is operated by Genome Research Limited, a charity registered in England with number 1021457 and a company registered in England with number 2742969, whose registered office is Wellcome Sanger Institute, Wellcome Genome Campus, Hinxton, CB10 1SA.

Kamil Jaron <kj11@sanger.ac.uk>

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HansHoheisenResStn SouthAfrica CameraTrapStudies Jul2-15

This is a 12-day active training course in game reserve in a game reserve in South Africa. Participants will learn the principles of camera trapping for research and conservation science, including how to design, collect, and process camera trap data to answer ecological questions and obtain standardised reports. During the course participants will deploy camera traps in the Greater Kruger National Park system and can spend their evenings and free time connecting with other camera trappers and researchers surrounded by the sounds of the African bush. The course is an official short learning programme offered by the Nelson Mandela University.

What We Will Cover - Camera trap models, functionality, and deployment considerations, a brief review of how camera traps have been used in the past and present for research and monitoring - How to organise camera trap surveys and data collection in the field with practice deploying camera traps in a game reserve - An introduction to R and its use in camera trap research, including an overview of image processing and various methods for the extraction of data from camera trap images, including overviews of machine learning models and image classification platforms - Exploration and organisation of camera trap datasets to create standardised reports - Study designs and data analysis for a wide range of wildlife monitoring strategies, research questions, and statistical models - Statistical analyses to estimate various ecological parameters (i.e., occupancy, abundance, density, activity rates) - Visualisation and interpretation of results from model outputs - Space to organize your own study or analyse your own camera trap data with the help of peers and course lecturers.

Course Details Dates 2-15 July 2025, allowing for 12 days of theoretical and practical course work with 1 day safari halfway through the course

Location Nestled on the edge of the iconic Kruger National Park, the Hans Hoheisen Wildlife Research Station (HHWRS), offers an unparalleled setting for learning and discovery in the heart of South Africa's wild landscapes. Just a short drive from the vibrant town of Hoedspruit, this renowned research facility provides the perfect balance between scientific inquiry and immersion in nature. With the sounds of the bush as your backdrop and the chance to witness Africa's incredible biodiversity up close, this location sets the stage for an unforgettable educational experience

Cost ZAR45,900 (+/- US$2,700)- chalet accommodation (sharing 3 pax per unit) ZAR 39,100 (+/- US$2,300) - camping (tents provided)(sharing 2 pax per tent) Course fees cover all course materials, accommodation, all meals (plus tea and coffee), airport transfers, a course t-shirt, and a full-day safari in Kruger National Park Participants are responsible for their own travel arrangements to and from course destination (e.g. Hoedspruit or Hoedspruit Airport).

Participants The course is limited to 20 participants and is open to graduate students and conservation professionals.

Deadlines Course registration is not open but indicate your interest to attend here. Contact Miss Ira Tzitzika s216020123 [at] mandela.ac.za or Dr Rob Davis s226043789 [at] mandela.ac.za if you have any enquiries.

More details here: https://-wildecolabdotcom.wordpress.com/courses/ Lucie Thel <lucie.mc.thel@gmail.com>

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KU Leuven HumanVariation Jun6-7

CfA Workshop: "Perspectives on Human Variation: Philosophy meets Evolutionary Anthropology" KU Leuven, June 6-7 2025

Organizers: Andra Meneganzin and Grant Ramsey

When: 6-7 June 2025

Where: Institute of Philosophy, KU Leuven, Belgium

Confirmed speakers:

§Lia Betti (University College London)

§Isabelle De Groote (Ghent University)

§Anton Killin (University of Bielefeld)

§Mathilde Lequin (University of Bordeaux)

§Celso Neto (University of Exeter)

§Ross Pain (University of Bristol)

Theme

The study of phenotypic variation in past and present humans has long been a central focus of evolutionary an-

thropology. From the analysis of fossil morphology and taxonomic practices to inferences about past behaviors and cognition across taxa, characterizing and understanding phenotypic variation identifying its sources and tracing its evolution over time remains at the heart of much contemporary research in human evolution. Yet, the task of characterizing, classifying, and explaining variation in both modern and paleontological contexts comes with critical challenges.

Many aspects of present-day human variation remain poorly understood, often due to systemic biases such as the underexplored variation in female anatomy and physiology and the over-representation of WEIRD societies in psychological studies. These biases shape the direction of inquiry in evolutionary research. Similarly, understanding past variation is limited by incomplete fossil, archaeological, and genomic records, as well as conceptual neglect, such as the absence of shared frameworks for individuating traits and the neglect of non-adaptive explanations. Finally, linking present and past variation raises difficult theoretical and methodological questions, such as: To what extent can we apply models of morphological variation based on present-day primate taxa to gain insights into hominin evolution and variation over hundreds of thousands, if not millions, of years?

This workshop aims to provide a venue for philosophers and practicing scientists working in human evolutionary studies to productively reflect on state-of-the-art challenges and prospects of studying human variation in an evolutionary setting.

Questions we will be asking include (but are not restricted to):

§What are the major biases, limitations, and risks in characterizing present-day human phenotypic variation, and how can they be addressed?

§In what ways do these biases impact our epistemic reach into past evolutionary phenomena?

§How do living model species inform patterns of inter- and intraspecific variation in hominin fossil taxa (e.g., primate models)?

§What are the challenges in predicting archaic hominin phenotypes from present-day (e.g., genomic) data?

§What are the roles of non-adaptive evolutionary processes in shaping patterns of phenotypic variation, and how can they be traced using historical records?

We welcome contributions from theoretical and empirical researchers interested in engaging in interdisciplinary discussions on human variation at the intersection of evolutionary theory, philosophy of paleoanthropology, and ethics.

Call for Abstracts

We invite submissions of abstracts of up to 500 words, excluding references and footnotes.

Abstracts must include personal information (affiliation, contact info). Please send the abstracts to *Andra Meneganzin* (andra.meneganzin@kuleuven.be).

Deadline:* March 21st 2025*

Notification: *March 31st 2025*

For further information and updates, a website for the workshop will be created soon.

Andra Meneganzin <andra.meneganzin@gmail.com>

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Online CausalInferencePropensityScores Feb26

Hi everyone

Instats is excited to offer a 3-day seminar, Causal Inference with Propensity Scores and Beyond, on February 26, 28, and March 5, led by Professor Elizabeth Stuart, Chair of Biostatistics at Johns Hopkins University. Tailored for evolutionary biologists and researchers in related fields, this intensive workshop provides advanced training in causal inference using R essential for evaluating the effects of environmental, genetic, and behavioral factors on evolutionary processes when controlled experiments are not feasible. The course covers propensity score matching, weighting, sensitivity analysis, and additional non-experimental methods like instrumental variables and regression discontinuity designs, offering a robust framework for drawing credible causal conclusions from observational data. Ideal for PhD students and academics, this seminar will enhance your ability to address complex research questions and strengthen the impact of your studies.

https://instats.org/seminar/causal-inference-with-propensity-scores- Sign up today to secure your spot, and feel free to share this opportunity with colleagues and students who might benefit!

Best wishes

Michael Zyphur Director Institute for Statistical and

Data Science instats.org

mzyphur@instats.org

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Online ComputationalPangenomics Apr7-9

Dear all registrations are open for the Physalia online course on Computational Pangenomics, taking place from 7-9 April. This course explores the cutting-edge field of pangenomics, equipping participants with the skills to construct and analyse pangenome graphs from whole genome assemblies.

Course website: https://www.physalia-courses.org/-courses-workshops/computational-pangenomics/ By joining this course, you will learn how to build and analyse pangenome graphs, helping to overcome reference bias and improve genomic analyses. Through hands-on exercises with real datasets, you will gain practical experience using powerful tools like ODGI and WFMASH. The course will also explore key applications of pangenomics in comparative genomics and genome assembly. Throughout the three days, expert instructors will guide you through interactive discussions and exercises, ensuring you gain valuable insights and practical skills. This course is designed for biologists and bioinformaticians working with pangenomes, comparative genomics, or genome assembly. A good understanding of Linux command line and genomic data formats (FASTA, VCF, BED) is required.

For the full list of our courses, please visit: https:/-/www.physalia-courses.org/courses-workshops/-computational-pangenomics/ Best regards, Carlo

Carlo Pecoraro, Ph.D

Physalia-courses DIRECTOR info@physalia-courses.org www.physalia-courses.org "info@physalia-courses.org" <info@physalia-courses.org>

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Online Epigenomics Apr14-18

Dear all,

We are pleased to announce our upcoming online course: Epigenomics Data Analysis, taking place April 14-18.

This course is designed for biologists and bioinformaticians looking to develop practical skills in analyzing RNA-seq, ChIP-seq, ATAC-seq, MNase-seq, and Hi-C data. Participants will work with real-world datasets and gain hands-on experience using command-line tools and R/Bioconductor.

Course website: (https://www.physalia-courses.org/-courses-workshops/course59b/)

By the end of the course, participants will be able to:

- Understand the principles and experimental designs of key genomic assays. - Perform preprocessing, alignment, and quality control for RNA-seq, ATAC-seq, ChIP-seq, and Hi-C data. - Conduct downstream analyses such as differential expression, peak calling, motif analysis, and interaction visualization. - Integrate multiple genomic data types to derive biological insights.

For the fulll list of our courses and workshops, please visit: (https://www.physalia-courses.org/-courses-workshops/course59b/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

"info@physalia-courses.org" <info@physalia-courses.org>

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Online GeneSetEnrichmentAnalysisInR Mar3-6

Dear all,

We still have a few seats available for our upcoming online course: Gene Set Enrichment Analysis in

R/Bioconductor, in March (3-6).

Course website: (https://www.physalia-courses.org/-courses-workshops/gse-in-r/)

In this course, we will teach the use of popular GSEA tools, both for online-based tools and those implemented as R packages. We will give a detailed introduction on a variety of methods of GSEA analysis, including overrepresentation analysis, univariate methods, multivariate methods, as well as extensions of GSEA analysis, such as network-based GSEA, and single-sample GSEA. Finally, you will also learn downstream processing of GSEA results, including efficiently visualizing the massive GSEA results, clustering, and simplifying GSEA results via various methods. We will also cover some other topics that are tightly related to GSEA analysis, such as multiple hypothesis testing. You will also learn how to implement GSEA methods completely from scratch in R.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

Best regards, Carlo

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Online GenomeAssemblyAnnotation Mar17-21

Dear all,

there are only 4 seats left for the upcoming Physalia online course on "Assembly and Annotation of Genomes".

Dates: Online, March 17th-21st

Course website: (https://www.physalia-courses.org/-courses-workshops/course20/)

This course will introduce biologists and bioinformaticians to the concepts of de novo genome assembly and annotation, providing a theoretical framework and practical examples. A variety of sequencing technologies and their applications to generate haplotype-phased, high-quality reference genomes will be presented and discussed. They include Illumina short reads (for both assembly and gene annotation), PacBio HiFi ('High Fidelity') and CLR ('Continuous Long Read') reads, Oxford Nanopore long and ultralong reads, as well as scaffolding technologies including optical mapping and proximity ligation (Hi-C). Special attention will be given to quality control throughout the assembly process (e.g. tools such as Genomescope, Merqury, Pretext) as well as to consensus, structural error mitigation and manual curation. The concept of Telomere-to-telomere (T2T) genome assembly, and the means to achieve it, will also be introduced. Annotation tools using Illumina RNA-Seq and Pacbio IsoSeq data will be introduced. By the end of the course the students will be able to understand what is needed to generate an annotated and curated reference genome of high-quality.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course20/)

Best regards, Carlo

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Online GenomicPrediction Mar24-28

Dear all,

We are excited to announce our upcoming online course: GENOME-WIDE PREDICTION OF COMPLEX TRAITS

Dates: March 24-28, 2025 (Online) Time: 2 PM - 8 PM Berlin Time Course Details & Registration: (https://www.physalia-courses.org/courses-workshops/-course49b/)

This course will introduce students, researchers and professionals to the steps needed to acquire expertise in the genomic prediction area applied to animals, plants and humans. The course will describe all the necessary steps involved in genomic prediction analysis.

Who Should Attend?

- Students, researchers, and professionals interested in genomic prediction - Those with a background in biology, genetics, or statistical genetics - Participants with

basic knowledge of R and Unix (recommended but not required)

What You'll Learn:

* Calculate genomic breeding values and genomic risk scores * Implement cross-validation strategies for genomic prediction * Apply linear mixed models, Bayesian regression, and machine learning * Analyze complex traits in human genetics and breeding programs

Should you have any questions, please feel free to contact us.

Best regards,

Carlo

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"info@physalia-courses.org" <info@physalia-courses.org>

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Online IntroductionToMachineLearning Mar21-Apr11

Dear colleagues,

There are a few slots available for Transmitting Science's course "Introduction to Machine Learning in R".

Dates & Schedule: Online live sessions on March 21st, 28th and April 4th, 11th, 2025, from 9:00 to 14:00 (Madrid time zone).

Complete information on the course webapage: https://www.transmittingscience.com/courses/statistics-and-bioinformatics/introduction-to-machine-learning-in-r/ or writing to courses@transmittingscience.com

COURSE OVERVIEW

Machine Learning is an extremely popular topic within the field of Artificial Intelligence which can be applied to solve multiple problems, including some related to evolutionary biology.

The course aims to introduce participants to the main components for implementing Machine Learning in R using the {tidymodels} and {tidyverse} framework packages. By the end of the course, students will be able to perform the necessary tasks for machine learning such as defining the problem, prepare and pre-process data, and apply different machine learning algorithms such as Extreme Gradient Boosting, Random Forests etc. In addition, we explore how to fit a model and evaluate its performance as well as measuring the accuracy of model predictions.

This course includes a range of activities, such as model-building demos, live-coding sessions, interactive quizzes, and practical exercises, which can be completed individually or in a group. Active participation and contribution are highly recommended and encouraged.

You can check the full list of upcoming courses here: https://www.transmittingscience.com/courses/ With 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 .

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sary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

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Online IntroPhylogeneticComparative Apr28-May9

Dear colleagues,

I am happy to announce the second edition of Transmitting Science course taught by Ignacio Quintero: Introduction to probabilistic inference of Phylogenetic Comparative Methods (PCM) using Julia.

Format: Live online.

Schedule: Online live sessions on April 28th and 30th & May 2nd, 5th, 7th, and 9th, 2025; from 14:00 to 18:00 (Madrid time zone).

Complete information and registration: https://-www.transmittingscience.com/courses/evolution/-introduction-to-probabilistic-inference-of-phylogenetic-comparative-methods-pcm-using-julia/ Course Overview:

This course offers an advanced understanding of probabilistic inference of Phylogenetic Comparative Methods (PCM), exploiting the capabilities of the Julia language. Participants will gain a deeper knowledge of the stochastic processes, their inference and computation behind PCMs as well as their biological interpretations.

We will start with an introduction to Julia language, a powerful new language for numerical computing that combines high performance with high-level syntax, attaining comparable speeds as C, yet remaining accessible to programming initiates. We will then overview probabilistic inference within a Bayesian framework, reviewing basic probability concepts and posterior parameter estimation. Finally, most of the course will then delve into the main three PCM: trait and biogeographic evolution, and a deeper emphasis on diversification models. Topics covered include basic foundations (i.e., diffusion processes such as Brownian motion, time-continuous Discrete Markov models, birth-death models) to then build-up to the more advanced models that allow for interdependence between processes (i.e., environmental, and geographic diversification, inference of biotic interactions).

The course will combine introductory lectures and hands-on exercises.

Best wishes

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com Twitter @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction. Disclaimer of liability. - The sending of this communication does not imply any obligation on the part of the sender to control the absence of viruses, worms, Trojan horses and/or any other harmful computer program, and it corresponds to the recipient to have the necessary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

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Online MachineLearningInR Mar3-7

Dear all, there are only 3 seats remain for the 4th edition of the Physalia Introduction to Machine Learning (ML) with R course, taking place online from March 3-7 (1-7 PM Berlin time).

Course website: (https://www.physalia-courses.org/-courses-workshops/course43/)

This hands-on course introduces key ML methods and their application to omics datasets, providing both theoretical foundations and practical experience using R.

This course is ideal for researchers and students seeking an intuitive introduction to machine learning.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course43/)

Best regards,Carlo

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Online NetworkAnalysisInR May5-8

Dear all,

We are excited to announce our upcoming online course: Network Analysis in R, taking place from May 5th to 8th.

Course website: (https://www.physalia-courses.org/-courses-workshops/network-analysis-in-r/)

This course is designed to equip participants with essential skills for analysing and interpreting network data using R. Participants will learn the fundamentals of graph theory, how to handle network data structures, and compute key statistics at the network, node, and edge levels. The course will also cover cluster detection, statistical modeling, and best practices in network visualisation. Hands-on coding sessions and practical exercises will provide a solid foundation for applying these techniques to real-world data, with a focus on life sciences but broadly applicable to other fields.

Who Should Attend? Researchers with a working knowledge of R who are interested in network analysis, particularly in the life sciences. Familiarity with intermediate statistical concepts and the tidyverse is required.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-network-analysis-in-r/)

Best regards,

Carlo

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Online PhylogeneticComparativeMethodsInR May12-16

Dear all,

We are excited to announce the upcoming Physalia online course, "Phylogenetic Comparative Methods in R," taking place from May 12-16. This course will provide a comprehensive introduction to generating ultrametric phylogenies (chronograms/timetrees) and applying phylogenetic comparative methods to study trait evolution and lineage diversification.

Course website: (https://www.physalia-courses.org/-courses-workshops/course44/)

Designed for students, researchers, and professionals across various fields including systematics, paleontology, ecology, behavior, and physiology the course combines theoretical lectures with hands-on tutorials in R. Participants will work with published datasets and are encouraged to bring their own data for analysis.

Throughout the course, participants will learn how to build time-calibrated phylogenies using Bayesian ap-

proaches in BEAST, explore different models of trait evolution for both continuous and discrete characters, and apply methods such as phylogenetic independent contrasts and ancestral state reconstruction. The course will also cover how to analyse lineage diversification over time, identify potential mass extinctions, and study historical biogeography using specialized tools like BioGeoBEARS.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/course44/)

If you have any questions, feel free to reach out. Best regards,

Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

“info@physalia-courses.org” <info@physalia-courses.org>

Online PhylogeneticSpeciesDistribution May12-14

ONLINE COURSE Phylogenetic Species Distribution Modelling using R (PSDM01) This course will be delivered live

https://www.prstats.org/course/phylogenetic-species-distribution-modelling-using-r-psdm01-25/ 12th - 14th May2025

Instructor-Dr. Morales Castilla Ignacio

Please feel free to share!

COURSE OVERVIEW:In this three-day course, we introduce species distribution models (SDMs) and ways to incorporate phylogenetic information into single species models using R. We begin by providing an overview on the use of SDMs as a central tool for ecologists and evolutionary biologists, review and implement common SDM approaches and introduce hybrid models,which use the information in functional traits to complement the models. We then justify the rationale for using phylogenetic information in absence of functional trait data and show how to incorporate phylogenetic information in SDMs (day 1). We review examples of practical implementation of PSDMs to both present and future climate scenarios (day 2).Finally, we overview more advanced approaches of incorporating phylogenies into models(the Bayesian Phylogenetic Mixed Model) and how to project model results into a spatial context (day 3).

Please email oliverhooker@prstatistics.com with any questions.

February

ONLINE COURSE Machine Vision using Python (MVUP01) This course will be delivered live

ONLINE COURSE Machine Learning using Python (MLUP01) This course will be delivered live

ONLINE COURSE Species Distribution Modelling With Bayesian Statistics Using R (SDMB06) This course will be delivered live

ONLINE COURSE Remote sensing data analysis and coding in R for ecology (RSDA01) This course will be delivered live

ONLINE COURSE Introduction to generalised linear models using R and Rstudio (IGLM08) This course will be delivered live

ONLINE COURSE Community Analytics in Ecology and Evolutionary Biology for Beginners (CAFB01) This course will be delivered live

March

ONLINE COURSE Introduction To Mixed Models Using R And Rstudio (IMMR09) This course will be delivered live

ONLINE COURSE Stable Isotope Mixing Models using SIBER, SIAR, MixSIAR (SIMM11) This course will be delivered live

ONLINE COURSE Multivariate Analysis Of Ecological Communities Using R With The VEGAN package (VGNR07) This course will be delivered live

May

ONLINE COURSE Phylogenetic Species Distribution Modelling using R (PSDM01) This course will be delivered live

ONLINE COURSE Movement Ecology Using R(MOVE07) This course will be delivered live

June

ONLINE COURSE Tidyverse for Ecologists and Evolutionary Biologists (TIDY01) This course will be delivered live

July

ONLINE COURSE Path analysis, structural equations and causal inference for biologists (PSCB03)

October

ONLINE COURSE Bioacoustics Data Analysis using R (BIAC05) This course will be delivered live

–

Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online SeafoodGenomics Feb25-28

Dear all,

there are still a few seats available for our upcoming online course: Food Traceability Using Genomic Tools, taking place from February 25-28.

Course website: (https://www.physalia-courses.org/-courses-workshops/food-traceability/)

This course will cover the latest genomic approaches for seafood traceability and food authenticity, including Sanger sequencing, qPCR, Illumina, and Nanopore technologies. Participants will gain hands-on experience in bioinformatics analysis and learn how to apply these tools in real-world scenarios to ensure food safety and regulatory compliance.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course62/)

Best regards, Carlo

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Portugal HostMicrobeSybioses Jul6-19

SymbNET PhD Summer School on Host-Microbe Symbioses Where: Gulbenkian Institute for Molecular Medicine (GIMM) and Católica Biomedical Research Centre (CBR), Oeiras (Lisbon), Portugal When: July 6 -19, 2025 About: This Summer School is designed for PhD students (second or later years) interested in host-microbe symbioses to acquire an in-depth understanding of the field from diverse perspectives through interaction with experts in this research area. The Summer School is two weeks long, with 20 lecturers and 35 PhD students. The programme includes lectures, research seminars, and the development of a short-written research project by the student.

Confirmed Lecturers: Aileen Berasategui < https://www.berasateguilab.com/people > < https://cabm.rutgers.edu/person/martin-j-blaser > (Vrije University Amsterdam, Netherlands) Martin Blaser < https://cabm.rutgers.edu/person/martin-j-blaser > (Rutgers University, USA) Thomas Bosch < https://www.bosch-lab.de/ > (Kiel University, Germany) Nicole Dubilier < https://www.mpi-bremen.de/-en/Nicole-Dubilier.html > (Max Planck Institute for Marine Microbiology, Germany) Takema Fukatsu < https://bpri.aist.go.jp/en/staff/fukatsu-takema > (AIST, Japan) Ilana Gabanyi < https://orcid.org/-0000-0001-5886-2525 > (GIMM, Portugal) Maria Gloria Dominguez-Bello < https://sites.rutgers.edu/-mgdblab/ > < https://sites.rutgers.edu/mgdblab/ > (Rutgers University, USA) Karen Guillemin < http://molbio.uoregon.edu/guillemin/ > (University of Oregon, USA) Rob Knight < https://knightlab.ucsd.edu/ > (University of California, USA) Waldan Kwong < https://www.kwonglab.com/-people > < https://www.kwonglab.com/people > (GIMM, Portugal) Margaret McFall-Ngai < https://www.glowingsquid.org/people_mm.php > (Carnegie Institution for Science, USA) Nancy Moran < http://web.biosci.utexas.edu/moran/ > < http://web.biosci.utexas.edu/moran/ > (University of Texas at Austin, USA) Sean Meaden < https://www.york.ac.uk/biology/people/sean-meaden/ > (University of York, UK) Spencer Nyholm < https://mcb.uconn.edu/person/spencer-nyholm/ > (University of Connecticut, USA) Howard Ochman < http://web.biosci.utexas.edu/ochman/-

> < http://web.biosci.utexas.edu/ochman/ > (University of Texas at Austin, USA) Laila Partida-Martinez < https://orcid.org/0000-0001-8037-2856 > (CINVESTAV, Mexico) Ned Ruby < https://-www.glowingsquid.org/people_nr.php > (California Institute of Technology, California, USA) Luís Teixeira < https://fm.ucp.pt/pt-pt/pessoa/luis-teixeira > (Católica Biomedical Research Centre, Portugal) Karina Xavier < https://karinaxavierlab.weebly.com/ > (GIMM, Portugal)

Registration Fee and accommodation: Accepted applicants will pay a fee of 300 euro . Lodging (in double rooms, at Hotel Riviera < https://www.rivierahotel.pt/-en/ >) and meals during course activities are included in the registration.

1. Upon selection, fellowships will be available for students who need financial aid for travel and/or registration. We are committed to admitting talented students from diverse backgrounds and will prioritize applicants from low- and middle-income countries or institutions unable to support their participation in the Summer School.

Applications: Deadline March 28 (decision regarding selected applicants by April 14).

Applicants should submit a motivation letter (one page), CV (two pages max.), and a letter of reference from the PhD supervisor (one page).

More Information and Application: https://-gimm.idloom.events/phd-summer-school-2025
Scientific organising committee: Martin Blaser < https://cabm.rutgers.edu/person/martin-j-blaser > (Rutgers University, USA)

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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

UMaryland QuantPhageBacteriaDynamics Jun23-27

Announcing calls for applications from MS + PhD students + postdocs:

Summer School on Quantitative Phage-Bacteria Dynamics Across Scales, U of Maryland, College Park, June 23-27, 2025

Phage transform the fate of cells, populations and ecosystems. This summer school will bring together thought leaders in integrating models, experiments, and field data in dialogue with early career researchers to learn fundamentals and cutting-edge advances in the study of phage-bacteria dynamics across scales. The course will include thematic days spanning cellular mechanisms, phage therapy, spatial dynamics, evolution, and ecosystem functioning. Each day will include (i) morning lectures; (ii) afternoon computational labs; (iii) evening plenaries or poster sessions. Students will learn how to model phage-bacteria across scales, integrate computational methods into research practice, and bridge the gap between models and data with case-study problems. Our aim is to foster dialogue between early career trainees and thought leaders in the quantitative study of phage-bacteria dynamics across scales. The school is limited to 25 participants. No registration fee for accepted students and *travel awards are available*.

Application date: March 21, 2025 Application site: https://bit.ly/phageschool2025-umd Applications should include a CV, motivation letter and support letter. Registration is free for accepted students and travel awards are available. Organizer: Joshua Weitz, phageschool2025@umd.edu

“jsweitz@umd.edu” <jsweitz@umd.edu>

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

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.