E v o l D i r

December 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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Antwerp EuropeanConservationGenetics Aug26-28

"We are happy to announce the 7th European Conservation Genetics Meeting in 2026. Date: August 26-28, 2026; Please, mark your calendars and spread the news! Venue: Elisabeth Centre Antwerp, Antwerp, Belgium (with access to Antwerp Zoo) Format: in person meeting only. 5 non-parallel sessions. Poster sessions will be incorporated into the schedule. More details about the program and for registration will be circulated early 2026."

Peter Galbusera Research Coordinator - Antwerp Zoo Centre for Research and Conservation

Like us on Facebook: www.facebook.com/zooantwerpen www.facebook.com/zooplanckendael or follow us on Twitter : www.twitter.com/zooantwerpen www.twitter.com/zooplanckendael Peter Galbusera <Peter.Galbusera@kmda.org>

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Bangkok BarcodeOfLife Nov2-6

Dear friends and colleagues,

We are thrilled to announce that the 10th International Barcode of Life Conference will be held November 2-6, 2026, at the Siam Kempinski Hotel in beautiful Bangkok, Thailand!

Please, mark your calendars and spread the news!

We are inviting colleagues to join us for a unique opportunity to exchange the latest scientific discoveries and advancements in biodiversity genomics.

DNA barcoding has sparked a movement in the widespread use of genetic and genomic information for biodiversity analysis and has led to a wide range of applications as well as new scientific endeavours such as DNA metabarcoding, environmental DNA and museum/herbarium genomics.

The theme of the conference is: Building on Barcodes: Impacting Science and Society

More info will be available soon at http://-dnabarcodingconference.com Registration and abstract submission will open February 2026

Dirk Steinke

on behalf of the Conference Organizing Committee

Dr. Dirk Steinke (he/him) | Research Scientist - Centre for Biodiversity Genomics - University of Guelph CBG Room 109 | 50 Stone Road E | Guelph, Ontario |

N1G2W1 |

"dsteinke@uoguelph.ca" <dsteinke@uoguelph.ca>

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Berlin BiodiversityExploratories20 Jun8-12

Dear colleagues,

I wanted to bring the BE20 conference to the attention of evolutionary biologists. This conference is celebrating the 20th anniversary of the Biodiversity Exploratories, a large scale, long term interdisciplinary biodiversity research platform in Germany. It has been collecting data and samples since 2008, making it an interesting platform for evolutionary biologists. Please see the invitation text below, the website is https://www.biodiversity-exploratories.de/de/be20/ To celebrate the 20th anniversary of the Biodiversity Exploratories, we are pleased to invite you to the first international BE20 Conference!

The event will take place from June 8-12, 2026 at the Langebeck-Virchow Haus in Berlin under the theme: "Integrating Emerging Topics in Long-Term and Large-Scale Biodiversity Research"

The conference will begin on Monday evening, June 8, 2026, with an opening lecture, followed by a welcome reception. From Tuesday, June 9, 2026, to Thursday, June 11, 2026, participants will have the opportunity to present talks in various sessions across different disciplines of long-term biodiversity research. For more details, please refer to "Call for Abstracts".

We are excited to welcome several renowned keynote speakers, who will provide inspiring insights into long-term and large-scale biodiversity research. More information can be found under "Keynotes".

In addition, the conference will feature workshops, discussion panels and social events to promote interdisciplinary exchange. On Friday, June 12, 2026, participants will have the opportunity to join a special excursion to our Schorfheide-Chorin exploratory, offering exclusive insights into the research conducted within the Biodiversity Exploratories.

The conference aims to bring together scientists from around the world and to create an interdisciplinary platform for discussing current challenges in long-term and large-scale biodiversity research. We look forward to numerous exciting contributions, lively discussions, and international exchange!

For questions or suggestions, please contact the Biodiversity Exploratories Coordination Office: beo@senckenberg.de

We look forward to welcoming you to Berlin in June 2026!

Scientific Committee: Markus Fischer | Nico Blüthgen | Marion Mehring | Marion Schrumpf |Stefanie Schulz |Paul Magdon | Peter Manning

Coordination Office: Victoria Grießmeier | Franca Marian | Dong-Hee Maeng | Eva Schmidt

wil50772 <lena.wilfert@ur.de>

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CharlesU LUCA Jun15-17

With support from Journal of Molecular Evolution and its editorial board, we are proud to organize:

"JME: A Road to LUCA - Filling the gap between prebiotic chemistry and life as we know it", our special topics meeting in astrobiology. The meeting will beheld at the campus of Charles University in Prague (Czech Republic), June 15-17, 2026.

The symposium will focus on hypothetical routes to the emergence of the cellular life from which we are descended, including the emergence of early metabolism and of cellular structures.

The aim of the symposium is to bring together astrobiologists, (geo)chemists, biochemists, evolutionary biologists, and other interdisciplinary scientists to tackle the question of what possible routes to early metabolism and cellular life were available on Earth and why LUCA had the biology that it did. The symposium will therefore focus not only on the gap between prebiotic chemistry and life as we know it but also on possible alternatives to our ancestral forms of life.

The conference will include editors from the Journal of Molecular Evolution, but also contributed talks and posters from meeting registrants. We look forward to welcoming you to Prague.

More details and registration information for the conference can be found on the conference website: https:/-

/natur.cuni.cz/en/aroadtoluca . David Liberles and Klara Hlouchovï¿½

David A Liberles <daliberles@temple.edu>

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Kelowna BritishColumbia EvolHumanViruses May19-22

Dear all,

We are very excited to announce that the 33rd International Dynamics & Evolution of Human Viruses conference will be held May 19-22, 2026 at the UBC Okanagan Campus, Kelowna, BC, Canada. This will be a hybrid meeting, which will include a live in person meeting and a virtual option. Scientific sessions will be May 20-22, 2026. Conference website: https://-/dynamicsevolution.org/event/7/ This meeting series was designed to promote discussion between specialists in quantitative and computational approaches in two areas in the field of virology where these are particularly important:

Modeling of viral and cellular dynamics Viral evolution and population genetics

Many of these approaches were originally developed for HIV but are now applied to many viruses where extensive data are available. We encourage the submission of abstracts relating to evolutionary work on HIV, SARS-CoV-2 and other human viruses. We consider topics on statistical, mathematical, computational, and integrative approaches to analyzing the dynamics and evolution of human viruses within the scope of this meeting.

Abstracts are being accepted under the following topics from which the final conference schedule will be constructed:

Evolutionary Dynamics of HIV Vaccines & Immune escape Zoonoses & Emerging Infections Genomics & Bioinformatics Software Tools & Methods Transmission Dynamics & Clusters Within-Host Dynamics & Adaptations Phylodynamics & Phylogeography

Plenary Speaker Our plenary speaker will be Dr. Kanta Subbarao from Universitï¿½ Laval.

Abstracts and Registration We will be using the Indico platform for abstract submission and review. You will be prompted to create a user account to submit an abstract if you do not already have one. We actively encourage participation of researchers from around the globe, including junior scientists and members of minority groups. Registration payment is handled through Worldline's Bambora platform (https://-en.wikipedia.org/wiki/Bambora).

Visa Details If you require a Visa to attend, you may request early abstract review, in this case please email dynamics@bccfe.ca.

Travel Grants A limited number of travel grants may be available for young investigators from underserved populations to attend this program. If you wish to be considered, please email dynamics@bccfe.ca a letter of request no later than January 3, 2026. Include details on your present role, and why you should be considered for an award. Please note that in order to receive a travel grant, you must submit an abstract and have it accepted.

Gala Dinner The gala dinner will be held at Grey Monk Winery's "The Lookout Restaurant" overlooking Okanagan Lake.

Course Chairs Manon Ragonnet, PhD - University of Chicago, USA Jeffrey Joy, PhD - University of British Columbia, Canada and BC Centre for Excellence in HIV/AIDS

Please visit our website for more information, registration, and abstract submission

https://dynamicsevolution.org/event/7/ We look forward to the usual fantastic scientific program and hope to see you in Squamish.

Best regards,

Manon Ragonnet and Jeff Joy

Jeffrey Joy <jjoy@bccfe.ca>

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Montpellier DrosEUDsuzukiiMeeting Apr13-17

Dear collegues,

It is our pleasure to announce that the 16th DrosEU meeting will be held on April 13-14, followed by a 3-day D. suzukii satellite meeting on April 15-17 2026.

The European Drosophila Population Genomics Consor-

tium (DrosEU) is a collaborative consortium of scientists and laboratories interested in evolutionary genetics and genomics of Drosophila species. Its main objective is to cooperate closely in collecting, generating and analysing genomic and environmental data for several Drosophila populations across the globe.

For the next meeting, a special focus will be put on the insect pest Drosophila suzukii: after the general DroEU meeting on April 13- 14 2026, we will organize a 3-day satellite meeting dedicated to D. suzukii on April 15-17 2026. A wide range of topics will be covered during this conference, including: - Population genetics - Molecular Genetics - Host-Microbiota Interactions - Physiology - Ecology and Population Dynamics - Integrated Pest Management.

Non DrosEU members are welcome to register to the DrosEU meeting, the D. suzukii meeting or both events. Registration is open until December 19th 2025 via the registration page. Abstract submission is not required for registration to either the DrosEU or the D. suzukii meeting.

Online attendance People can select the option to attend the meeting online when registering via the registration page. A Zoom link will be sent the week before the meeting. Please note that abstract submission will only be possible for in-person attendees.

To make both meetings accessible to the widest audience,registration is free of charge.

Registration website is now open:https://-droseusuz.sciencesconf.org Both meetings will be held at the Genopolys amphitheater in Montpellier, France.

Please note that only titles (but not abstracts) are required for contributed talks for the DrosEU meeting. Registration and title (DrosEU meeting) or abstract (D. suzukii meeting) submission occur in two separate steps: upon acceptance of your registration, you will be able to submit a title/abstract via the "Title/abstract submission" page until December 19th 2025.

On behalf of the organizing committee, Svitlana Serga and Nicolas Rode,

UMR CBGP, INRAE Montpellier, France

Svitlana SERGA <svitlana.serga@inrae.fr>

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Online ESEB InternalConflictsSTN Nov13

Dear colleagues,

We would like to invite you to the next online seminar for the "Internal Conflicts and Organismal Adaptation" Special Topic Network (STN) funded by the European Society for Evolutionary Biology, which will take place on November 13th, 15:00 UTC. Our speakers for this seminar are:

Jenn Coughlan (Yale University): Parental conflict, introgression, and the repeated evolution of reproductive isolation in a wildflower species complex

Emily Moore (University of Nebraska): Parent-of-origin disruption of growth and metabolism during gestation in hybrid mice

We expect the meeting to take approximately 1.5 hours.

Meeting details: Date: November 13, 2025. Time: 15:00 UTC < https://www.timeanddate.com/worldclock/-converter.html?iso=20251113T130000&p1=tz_gmt > Meeting link: https://georgetown.zoom.us/-j/99509526675?jst=2 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, Arvid Ãgren, Thomas Hitchcock, Martijn Schenkel, and Nina Wedell

ESEB-funded Special Topic Network "Internal Conflicts and Organismal Adaptation" https://-internalconflictsstn.wordpress.com/ https://eseb.org/-prizes-funding/special-topic-networks/ Internal Conflicts STN <internalconflictsstn@gmail.com>

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SanDiego PAG33 PopConservationGenomics Jan9-14

Call for Abstracts - Deadline Extended Population and Conservation Genomics Workshop Plant and Animal Genome 33 (PAG 33) International Conference https://-intlpag.org/PAG33/ January 9-14, 2026 Town and Country Convention Centre, San Diego, California

The annual Population and Conservation Genomics workshop will be held at the Plant and Animal Genome 33 (PAG 33) International conference. You are invited to attend this Workshop and submit abstracts for oral presentations on any population and conservation genomics aspect of both plants and animals. The topics may include (but not limited to): population genomic diversity and structure; molecular evolution; pangenomes; phylogeography; landscape genomics; seascape genomics; natural selection and local adaptation; ecological and evolutionary genomics; population epigenomics; paleogenomics; eDNA; bioinformatics in population and conservation genomics; population genomics of speciation; metapopulation genomics; application of genomics in breeding, forensics, biogeography, demography inferences, and conservation and management of genetic resources; genomic effects of domestication, management practices, fragmentation, bottlenecks, climate and environment change, and transgenic deployment; and gene conservation; etc.

The Workshop will have 2 sessions (10 and 12 January) with a provision for 12 invited speakers. Most of the invited presentations will be selected from the submitted abstracts. There are still speaker spots open. Please send your abstract of no more than 250 words by e-mail to Om Rajora (Om.Rajora@unb.ca) as an attached Word file no later than November 10, 2026. Please make sure to include complete affiliations of all authors and email address of the corresponding author. You will be notified by November 15, 2026 whether your abstract has been selected for an oral presentation. Thereafter, the selected presenters will need to submit their abstract to the PAG website. Authors whose abstracts are not selected for oral presentations are highly encouraged to present a poster at the conference.

Inquiries and Abstract Submission

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

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

Om Rajora <om.rajora@unb.ca>

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Sweden MidwaterSciEngineering Jun13-19

Dear Friends and Colleagues,

Plans are well underway for the inaugural Midwater Science and Engineering Community Conference (MidSEC) announced in September. The conference website can now be found at MidSEC.info. We envision this meeting a bit different than your typical conference (check out the draft schedule < http://midsec.info/program >) with many opportunities to interact in this beautiful and cozy setting. We hope to have a large component of engineers involved and to spend some time strategizing as a group to advance and fund our field.

Also on the website, you will find a link to join the MidSEC list serv < https://maillists.uwa.edu.au/mailman/-listinfo/midsec-announcements > that we have launched to connect all of us interested in midwater research, technology and conservation. We hope the list serv will be a useful tool for the community to announce opportunities, share new publications, ask questions, find collaborations, and become more connected, strategic, and unified. Please join us on the list and share your midwater related news and questions.

Please help us get the word out by forwarding this to anyone you know who is interested in midwater science and engineering.

We hope to see you in Sweden next June, Karen

–

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

Courier Address: Smithsonian Institution, MR 0163,

Natural History, West Loading Dock, 10th and Constitution Ave NW, Washington, D.C. 20560

** Due to my schedule, you may get an email outside of your normal working hours. Please do not feel that you need to respond outside of your normal working hours. **

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

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Tours EvolutionaryGenetics Jun29-July3

Dear all,

We are organising a thematic session on evolutionary genetics as part of the XIII European Congress of Entomology from June 29 to July 3 2026 in Tours, France (www.ece2026.org). This session includes six symposia:

- Eco-evolutionary dynamics of sexual selection and sexual conflicts - keynote speaker: Pau Carazo (University of Valencia, Spain).

- Genomics and evolutionary novelties.

- Unraveling phenotypic plasticity: Molecular bases to evolutionary outcomes - keynote speaker: Patricia Beldade (University of Lisbon, Portugal).

- Eco-evolutionary dynamics of host-microbiome interactions - keynote speaker: Marjolein Bruijning (University of Amsterdam, Netherlands).

- Genetic variation and selection in insect populations - keynote speaker: Kelley Leung (Wageningen University, Netherlands).

- Symbionts and insects as holobionts - keynote speaker: Hassan Salem (Max Planck Institute for Biology, Tübingen, Germany).

We welcome abstract submissions for oral presentations and posters (submission deadline: 15/12/2025).

Information about the congress and our thematic sessions can be found on the website (www.ece2026.org).

Best regards,

On behalf of the symposia chairs,

Franck

Franck Dedeine

Institut de Recherche sur la Biologie de l'Insecte UMR 7261, CNRS - Université de Tours

Faculté des Sciences et Technique Avenue Monge - Parc Grandmont 37200 Tours

Tél: 02 47 36 71 23 franck.dedeine@univ-tours.fr

Franck Dedeine <franck.dedeine@univ-tours.fr>

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Tours France EvolEntomology Jun29-Jul3 DeadlineDec15

Dear colleagues,

As evolutionary biologists, you will find ECE 2026 particularly rich this year, with several thematic sessions dedicated to evolutionary processes, adaptation, phylogenomics, the evolution of symbioses, and insect-environment interactions.

Many symposia are tailored to showcase cutting-edge research on diversification, evolutionary mechanisms, and integrative approaches that bridge molecular, ecological, and comparative perspectives.

We warmly encourage you to explore these sessions and contribute your latest insights to help shape a vibrant evolutionary biology program.

The XIII European Congress of Entomology (ECE 2026) is approaching fast, and we are thrilled by the enthusiasm already growing across our community. As we prepare to welcome you to Tours, France, from 29 June to 3 July 2026, this is a friendly reminder of two important deadlines:

Only one month left! Early bird registration closes on 15 December 2025

Take advantage of reduced registration fees by completing your Early Bird registration before 15 December 2025.

Abstract submission also closes on 15 December 2025

You are invited to submit your abstract to one of the 50 scientific symposia, grouped into 10 main thematic sessions covering the full breadth of entomology from evolutionary biology and ecology to biodiversity, applications, and emerging challenges.

In addition to the designated symposia, we warmly welcome contributions relevant to each thematic session

that do not fit into any specific symposium. A dedicated category is available for this purpose in the submission system.

To stay informed about program updates, practical information, and highlights, follow us on social media and help us spread the word within your networks: - LinkedIn: https://www.linkedin.com/company/-ece2026tours - Mastodon: https://ecoevo.social/-@ECE2026 - Bluesky: https://bsky.app/profile/irbi-tours.bsky.social We look forward to discovering your latest research and building an exciting, diverse scientific program for ECE 2026.

Stay updated at www.ece2026.org, and join us for an exceptional week of science, collaboration, and Loire Valley charm!

Warm regards,

David Giron, Chair of ECE 2026 Elisabeth Herniou, co-Chair of ECE 2026 On behalf of the ECE 2026 Organizing Committee

David Giron <david.giron@univ-tours.fr>

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Tours SexualSelectionConflicts Jun29-Jul3

Dear all,

We are organising a symposium on *eco-evolutionary dynamics of sexual selection and sexual conflicts *as part of the XIII European Congress of Entomology from June 29 to July 3 2026 in Tours, France (www.ece2026.org < http://www.ece2026.org/ >).

We are delighted to have *Pau Carazo* (University of Valencia, Spain) as a keynote speaker, and *David Berger* (Uppsala University, Sweden), *Graziella Iossa* (University of Lincoln, UK) and *Mike Ritchie* (St Andrews University, UK) as invited speakers.* *

We welcome abstract submissions for oral presentations and posters (submission deadline: 15/12/2025).

Information about the congress and our symposium can be found on the website (www.ece2026.org), but feel free to contact us if you need additional information.

Best regards,

Tim Janicke (CEFE, Montpellier, France; tim.janicke@cefe.cnrs.fr) Lucas Marie-Orleach (IRBI, Tours, France; lucas.marie-orleach@univ-tours.fr)* *

Symposium Description. Sexual selection and sexual conflicts are embedded in complex eco-evolutionary dynamics that are increasingly important to understand in the context of global environmental change. Sexual selection can influence demography and thus a population's adaptive potential (evo-to-eco), while ecological conditions may alter the strength and outcomes of sexual selection (eco-to-evo). Although interest in this field is growing, research on the interplay between sexual selection, sexual conflicts, and ecology is still in its early stages. This symposium aims to showcase cutting-edge empirical and theoretical work that advances our understanding of these interactions, their evolutionary consequences, and ecological implications.

Lucas Marie-Orleach <lucas.marie-orleach@univ-tours.fr>

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BinghamtonU NY AdaptationEnvStress

I am recruiting a graduate student to join my lab as part of the Ph.D. program at Binghamton University (SUNY). The Anthony Fiumera lab (https://-afiumera.wixsite.com/anthony-fiumera-lab) is focused on understanding the genetic basis to complex traits and how organisms respond to environmental stressors. The incoming student will be working on a recently funded NSF grant studying the effects of nanoplastics on Daphnia.

Interested students should send an email to afiumera@binghamton.edu that includes your CV, and why you want to join the lab.

The Department of Biological Sciences at Binghamton University (https://www.binghamton.edu/biology/-) has 24 faculty members and >50 PhD students and encompass a wide range of research programs organized around three overlapping foci: Global Change Biology, Genetic & Molecular Interactions, and Infectious Disease. Our strengths in evolution, ecology, and integrative biology span across all three of these research clusters.

Our program provides a highly interactive and supportive setting for graduate training. PhD students are funded through a combination of TA positions, RAs, and fellowships. Students can take advantage of several interdisciplinary programs on campus, including the NATCHANGE Center, the Center for Collective Dynamics of Complex Systems, Evolutionary Studies Program, and Transdisciplinary Areas of Excellence for Data Science, Sustainable Communities, and Health Sciences. Resources include molecular core facilities, an ecological research facility embedded within the University's extensive on campus Nature Preserve (https://-www.binghamton.edu/nature-preserve/), a 4,000+ sq ft research greenhouse, a living collection of over 1,200 plant species in the E.W. Heir Greenhouse, and the new acquired Nuthatch Hollow bird sanctuary.

Binghamton University is the top-ranked institution in the SUNY system and is rated a "Top 10 Public Ivy" by Forbes. BU is included in the Carnegie Classification system's "very high research activity" (R1) category. Our 930 acre campus is located in the Southern Tier of New York, between the Catskills and Finger Lakes, about a 3 hour drive from NYC. The region features abundant opportunities for outdoor recreation and a reasonable cost of living. Instructions for official applications can be found on the Binghamton University Graduate School s website - https://www.binghamton.edu/admissions/-graduate/. To ensure full consideration by our department s graduate committee for our Fall 2026 cohort, all application materials should be submitted by December 15, 2025.

Anthony Fiumera <afiumera@binghamton.edu>

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BiologyCentre CZ EvolutionPlantMetabolomics

PhD Student Position in Plant Metabolomics and Evolution

We are seeking a highly motivated PhD candidate with a background in bioinformatics to join our research team investigating the global drivers of phytochemical diversity. This project aims to uncover how the remarkable diversity of plant metabolites relates to biotic and abiotic stress across the globe. As a model system, we focus on the Salicaceae family, which provides an exceptional opportunity to study phytochemical evolution thanks to its broad geographic distribution, ecological diversity, and well-characterized phylogeny.

Responsibilities The successful candidate will: * Analyse Salicaceae metabolomes using advanced metabolomics and bioinformatics; * Develop bioinformatic pipelines integrating existing tools to acquire deeper insights into structural and functional chemical variation; * Collaborate with team members to interpret chemical diversity within an evolutionary and ecological framework, including the inference of Salicaceae phylogeny; * Contribute to joint analyses linking field-based ecological data with chemical and genomic datasets. Through these approaches, the PhD candidate will contribute to understanding how plant chemistry evolves and adapts in response to environmental and ecological pressures, offering new insights into the multidimensional nature of phytochemical diversity.

Requirements * A MSc degree (a non-negotiable requirement for PhD program eligibility); * A strong interest in plant ecology, evolution, and bioinformatics; * Experience with metabolomics or phylogenomics (highly desirable); * Experience in bioinformatic data manipulation and workflow development (Bash essential, familiarity with Python or R highly desirable); * Experience in biostatistics or data integration (advantageous); * Fluent written and spoken English; * Ability to work independently and collaboratively in a multidisciplinary environment.

What We Offer The successful candidate will join the Laboratory of Evolutionary Ecology led by Martin Volf (https://www.volflab.com) at Biology Centre of the Czech Academy of Sciences, and will study at the University of South Bohemia in Ceske Budejovice, Czech Republic. Our young and dynamic team combines expertise in ecology, metabolomics, phylogenetics, and evolutionary biology. The department where we are based hosts a vibrant international research environment and is recognized as a world-class center for eco-evolutionary research. The PhD candidate will benefit from close collaboration with researchers conducting complementary fieldwork and experimental studies. The scholarship fully covers living expenses in the Czech Republic for the entire four-year PhD program.

Application Details * Deadline: December 10, 2025 * Interviews: Mid-December 2025 * Start date: April 1, 2026 To apply, please send: 1. A CV, 2. A cover letter describing your motivation, relevant experience, and research interests, 3. Contact details for three references Applications and inquiries should be sent to volf@entu.cas.cz

Volf Martin <volf@entu.cas.cz>

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ClemsonU HighAppalachianArthropods Summer2025

We are seeking an enthusiastic Ph.D. student to assess Hurricane Helene's impacts on terrestrial arthropod communities in the southern Appalachian Mountains, and to develop ongoing monitoring protocols that may be implemented by management agencies. Specific target taxa for this project will include arachnids and hexapods, with special focus on those with special status (e.g. Spruce-fir moss spider and others), and those occurring in leaf litter habitats.

The student will design and conduct field sampling and laboratory analysis, aiming to quantify differences between available 'before' data and those found through new, post-Hurricane sampling. Studies may incorporate abiotic data layers as potential explanatory variables. Potential for recovery may implement phylogenetic and historical biogeographic perspectives. Prior work in PI's lab emphasized litter-inhabiting Coleoptera, though full arthropod community samples are available, as are barcoding sequences of most species. Arthropod studies will be coordinated with parallel studies on potentially impacted vertebrates and abiotic surveys of forest structure.

Candidates must have: - MS degree in entomology,

biology, wildlife studies, or a closely related field. - Sufficient qualifications to be accepted for enrollment into Clemson's Ph.D. program in Entomology. - Experience with arthropod field sampling, identification, and data analysis (taxonomic and/or ecological). - Strong background in statistical analysis/environmental modelling preferred.

Start date: Summer (preferred) or Fall, 2026

Application instructions: Prior to application, interested candidates should contact the PI, Dr. Michael Caterino (mcateri@clemson.edu) to indicate interest and summarize qualifications. Applications must then be submitted through the Clemson Graduate School portal (https://gradapply.clemson.edu/apply/). To qualify for supplemental fellowship funding, applications must include a one-page research prospectus (what the applicant envisions doing as a dissertation project) and be submitted by January 15, 2026. For more details see: https://www.clemson.edu/cafls/academics/-graduate/entomology-awards.html .Non-fellowship applications may be submitted through April 1, 2026.

Full announcement here: https://sites.google.com/site/-caterinolab/opportunities Michael S. Caterino John and Suzanne Morse Chair of Arthropod Biodiversity Director, Clemson University Arthropod Collection Dept. of Plant & Environmental Sciences Office: E254 Poole Agricultural Center Mail: 277 Poole Agricultural Center Clemson University Clemson, SC 29634-0310 mcateri@clemson.edu https://sites.google.com/-site/caterinolab/

ColoradoStateU EvolutionaryEcol

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

The preferred application date for Fall 2026 is December 1 for eligibility for recruitment funds, but applications can be accepted after that date.

Many faculty members are open to taking students (some dependent upon availability of funding), and specific opportunities include:

Dr. Anping Chen < https://scholar.google.com/-citations?hl=en&user=4ZoN5wgAAAAJ&view_op=-list_works&sortby=pubdate > working on dryland ecology, vegetation dynamics, remote sensing, soil-vegetation-climate feedbacks Dr. Dhruba Naug < https://socialbehaviorlab.colostate.edu/ > working on behavioral and evolutionary ecology Dr. Chris Funk < https://sites.google.com/view/funklab/home > working on evolutionary ecology, conservation genomics, biodiversity and climate adaptation Dr. Meena Balgopal < https://writingtolearnscience-balgopal.weebly.com/ > working on ecology communication, ecology/evolution education, or environmental literacy Dr. Paul Ode < https://agsci.colostate.edu/old-agbio/people-button/-faculty/paul-ode/ > working on the evolutionary ecology of plant-insect interactions and eco-immunology Dr. Alan Knapp < https://csuknapplab.weebly.com/ > working on global change and grasslands, as well as agro/eco-voltaics

Other faculty members < https://-ecology.colostate.edu/faculty-directory/ > are also potentially open to taking students.

Graduate student salaries are generally provided through faculty advisors < https://-ecology.colostate.edu/faculty-directory/ > in the form of research or teaching assistantships. Tuition is typically covered for students supported by assistantships and health insurance is available. A confirmed advisor is necessary for admission to the program, so please reach out to potential advisors directly. You can submit your application prior to having a confirmed advisor, however (check to see if you are eligible for an application fee waiver < https://-graduateschool.colostate.edu/skip-the-application-fee/ >!). Financial support is often in flux given pending grants, so there is no need to wait to see a particular position advertised.

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

Colorado State University is an equal opportunity and equal access institution and affirmative action employer fully committed to achieving a diverse work-

force and complies with all Federal and Colorado State laws, regulations, and executive orders regarding nondiscrimination and affirmative action.

Ruth Hufbauer, she/her/hers

Director: Graduate Degree Program in Ecology < https://ecology.colostate.edu/ >

Professor: Department of Agricultural Biology < https://agsci.colostate.edu/agbio/ >

Lab webpage: Applied Evolutionary Ecology < http://-www.hufbauerlab.org/index.html >

˜CSU is on the Indigenous Lands of the Arapaho, Cheyenne, and Ute Nations. Learn more at CSU's Land Acknowledgment site. < https://-landacknowledgment.colostate.edu/ >˜

˜Join "Peer Community In < https://-peercommunityin.org >" - a rigorous and free publication model by scientists and for scientists˜

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CornellU FisheriesGenomics

PhD Position in Evolutionary Genomics for Marine Conservation and Fisheries Management Cornell University

The lab of Nina Overgaard Therkildsen in the Department of Natural Resources and the Environment at Cornell University invites applications for a PhD position starting in Fall 2026. Our group works at the interface of evolutionary genomics and applied fisheries science. We study how contemporary environmental change and human impacts shape demographic, ecological, and microevolutionary processes in marine and other aquatic species. We are particularly interested in how human activities drive rapid evolution in wild populations, and in the roles of ongoing genetic adaptation, phenotypic plasticity, and shifting geographic distributions for species persistence in a rapidly changing world.

A defining feature of our research is that we pair fundamental questions in evolutionary genomics with concrete challenges in fisheries management and aquatic conservation. We use high-throughput DNA sequencing and population genomic approaches to understand the genetic and ecological bases of local adaptation and connectivity; detect and interpret rapid, human-induced evolutionary change; develop genomic tools that delineate biologically meaningful management units; and inform spatial management, harvest strategies, and conservation planning.

PhD students will have the opportunity to develop an independent project that fits within these broad themes or to join and shape ongoing work, including projects focused on genomic signatures of local adaptation and contemporary evolution, applied fisheries questions such as stock structure or climate-driven range shifts, tools for improved delineation of management units, and approaches for estimating contemporary connectivity, dispersal, and gene flow. Across all projects, there is ample scope to combine conceptual advances in evolutionary genomics with direct relevance to real-world monitoring, assessment, and management. The position will be hosted within Cornell University's Graduate Field of Natural Resources and the Environment, which provides an interdisciplinary and collaborative environment for graduate training with abundant opportunities to interact with the vibrant and diverse academic community across the Cornell campus.

Qualifications: Applicants should have a strong background and interest in evolutionary biology, evolutionary genomics, fisheries science, ecology, population genomics, bioinformatics, or a closely related field. Prior experience with molecular laboratory methods, computational work, or large genomic datasets is strongly preferred. However, the most important qualifications are a clear enthusiasm for both fundamental scientific inquiry in evolutionary genomics and for applying those insights to pressing management and conservation questions; strong written and oral communication skills; curiosity and persistence; and the ability to work both independently and collaboratively in a diverse research group.

How to apply: Interested candidates should email Nina Overgaard Therkildsen (nt246@cornell.edu) with a brief statement describing their motivation and research interests, along with a current CV and the names and contact information of three references. Review will begin immediately, and top candidates will be contacted on a rapid timeline to submit a formal application to the Cornell Graduate Field of Natural Resources by December 1, 2025. Because of the tight schedule for this opportunity, interested students are encouraged to reach out as soon as possible (ideally by November 20 for full consideration).

Nina Overgaard Therkildsen? (she/her/hers) Associate Professor Department of Natural Resources and the Environment, Cornell University https://-

www.therkildsenlab.org/=0A? nt246@cornell.edu

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CzechRepublic RapidEvolutionInCommunities

PhD - Rapid Evolution in Communities We invite prospective candidates for a four-year PhD Studentship funded by ERC grant of Jan Hrcek to explore exciting questions on the interface of population genetics and community ecology.

It is increasingly clear that evolution can be rapid, with important traits changing within a few generations. But we are only beginning to understand the consequences of this eco-evolutionary process for dynamics of host - parasite interactions and stability of entire communities. We ask how rapid evolution impacts maintenance of diversity in communities and maintenance of genetic variation in populations - processes which have been mostly studied separately.

To address these questions, our collaborative project uses a novel experimental community model system of wild Drosophila species and their parasitoids from tropical Australia.

We are able to perform multigenerational laboratory microcosm experiments and track eco-evolutionary dynamics in fine detail. The candidate will use a combination of approaches: experimental community evolution, population genomics, and eco-evolutionary modelling. The specific PhD projects will result from a discussion between the candidate and the supervisor.

The successful applicant will join the Laboratory of Experimental Ecology [http://lab.hrcek.net] at the Biology Centre, Czech Academy of Sciences, Ceske Budejovice, Czech Republic, under the supervision of Dr Jan Hrcek. The laboratory is a multinational team of postdocs, PhD students and technicians. The applicant will thus have the opportunity to work extensively with other team members. The laboratory obtained prestigious high-level funding for five years (ERC Consolidator grant) and therefore can provide substantial resources and support for exceptional research. The laboratory is part of a dynamic international centre for research in species interactions.

Together with the PhD student we will choose a co-supervisor from current international collaborators or start new collaborations. The position will include a research stay abroad.

The deadline for applications is 7th January 2026 with interviews short after. The position can start from March 2026 onwards.

Recently, guaranteed income for PhD students has become a law in the Czech Republic and the student will thus receive a salary which comfortably covers living expenses in the Czech Republic.

The working language is English and applicants from all countries are eligible. A MSc degree is required to enter PhD in Czech Republic. Following experience is an advantage:

§Research experience with laboratory experiments

§Experience with population genetics or molecular ecology

§Experience in eco-evolutionary dynamics or population genetic modelling To apply please send one document comprising a motivation letter, CV, and contact details for two references to Jan Hrcek [janhrcek@gmail.com].

Jan Hrcek <janhrcek@gmail.com>

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HHU Germany GeneticBasisOfDroughtAdaptation

PhD Position (w/m/d, 65 %, EG 13 TV-L, 3 years) Genetic Basis of Drought Adaptation in Brassica rapa Institute for Plant Ecology and Evolution, Heinrich Heine University Duesseldorf (HHU)

The Institute for Plant Ecology and Evolution invites applications for a PhD position investigating the ecological and genetic mechanisms of rapid adaptation to climate change. Our group combines ecological studies and resurrection approaches with quantitative genetics and ecological genomics to study evolutionary responses in natural plant populations and the genetic basis of adaptive traits.

Project Description: The project examines two Californian Brassica rapa populations that show parallel phenotypic shifts under drought but differ genetically. Using common gardens, quantitative genetic approaches, and genomic analyses (SNP data, GWAS, QTL map-

ping), the PhD student will quantify trait variation and covariation, identify the genetic architecture of drought-adaptive traits, and assess how environmental and genetic factors shape trait correlations.

YOUR TASKS: - Set up and analyze resurrection-based common garden experiments at HHU - Process and analyze phenotypic, environmental, and genomic datasets - Conduct GWAS, QTL mapping and quantitative genetic analyses - Present results at conferences and publish in peer-reviewed journals - Supervise students and contribute to teaching activities within the institute

YOUR PROFILE: Required - MSc in biology, ecology, evolutionary biology, population/quantitative genetics, or related - Strong background in evolutionary ecology and quantitative/evolutionary genetics - Experience with NGS data processing or population genomic analyses - Strong organizational, solution-focused, and teamworking skills - Excellent English communication skills Preferred - Experience with plant experiments (e.g., common gardens/greenhouse) - Proficiency in statistical data analysis and programming (R, Python, bash) - Experience with GWAS and QTL mapping workflows - Demonstrated scientific writing experience - Good German skills - Lawful ability to work in the EU

WE OFFER: - A DFG-funded position in a growing research institute with strengths in plant ecology, evolution, and genomics - Potential association with TRR 341 and close links to CEPLAS - Structured doctoral training (iGRAD, JUNO, HeRA) - An international, supportive, and family-friendly working environment

TO APPLY: Submit one PDF including: (i) Cover letter (max. 2 pages) outlining your motivation and research interests; (ii) CV including publication list and contact details of two references; (iii) BSc and MSc certificates and transcripts. Send applications by 30.12.2025 to elena.hamann@hhu.de, subject line: Application PhD Genetics. Expected starting date: March 2026 or as early as possible.

For questions contact Prof. Elena Hamann and see https://www.plantecoevo.hhu.de . Jun.-Prof. Dr. Elena Hamann (she/her) Institute of Plant Ecology and Evolution Heinrich Heine University Dï¿½sseldorf

Universitï¿½tstrasse 1 - Building 22.07, Room 01.025 D-40225 Dï¿½sseldorf Germany

Tel: +49-211-8115637

E-mail: Elena.hamann@hhu.de

https://www.plantecoevo.hhu.de/en/ Elena Hamann <elena.hamann@yahoo.fr>

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

KielU Two PlantPathogenEvolution

Two PhD available fromApril 2026 (flexible) at Kiel University, Germany, studying plant pathogen evolution. Apply by 15 December 2025. More info: www.uni-kiel.de/personal/de/.. . Cristina Barragan

Cristina Barragan <anacristinabl@gmail.com>

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LMU Munich FireflyGeneExpressionEvol

PhD Position in Evolutionary Genomics / Bioinformatics: Gene Expression Evolution of Fireflies

I invite applications for one doctoral position in my research group at the Ludwig-Maximilians-Universität (LMU), München. The position is part of the DFG SPP "Genomic Basis of Evolutionary Innovations (GEvol) - Phase II" (https://g-evol.com) which means that you will be part of a large network of doctoral students (https://g-evol.uni-muenster.de/members/). The topic of our project is gene expression evolution in fireflies (https://g-evol.uni-muenster.de/projectpage/-#AnkerFireflies). You will be jointly supervised by Sebastian Höhna (https://hoehnalab.github.io) and Ana Catalán (https://www.anacatalan-evolution.com/-). This is a research-only PhD position funded for 3 years by the DFG (no classes and teaching required but possible). The starting date is flexible, ideally between 1st March 2026 and 1st October 2026. This project focuses on whole genome evolution and gene expression data analysis. Therefore, we strongly encourage evolutionary biologists with a keen interest in bioinformatics/statistics or bioinformaticians/statisticians/computer scientists with a keen interest in evolutionary biology to apply.

A major part of the wide phenotypic diversity that we observe today can be explained by changes in gene expression. Changes in gene expression have been successfully linked to the variation of different trait types. One of the most extreme differences within species

are sexually dimorphic traits, many of which can be linked to sex-biased gene expression. In fireflies, extreme sexual dimorphism has evolved several times independently, which makes fireflies an excellent study system for repeated evolution. Published results from the first phase are https://doi.org/10.1038/s42003-024-06550-6, https://doi.org/10.1093/molbev/msaf123, and https://doi.org/10.1101/2025.08.19.671050 . In Phase II we want to explore: (i) the interaction of gene loss and gene expression evolution, (ii) the impact of gene duplication on gene expression evolution, and (iii) the correlation between TEs and cis-regulatory elements and gene expression evolution. We will try to address this question using RNA-seq of >18 firefly species from ~6 genera (3 with extreme sexual dimorphism) and performing specific hypothesis tests within a statistical phylogenetic framework. These phylogenetic models will be newly developed in the Höhna-lab (you can contribute if interested).

Your tasks will include: - Performing analyses to assemble gene orthology datasets - Performing analyses of gene family evolution (gene duplication and losses) - Performing analysis of gene expression evolution across a phylogeny - Various statistical analysis in phylogenomics and population genomics (e.g., estimating rates of evolution and selection, identification of TEs, reconstructing the evolution history of TEs) - Testing hypotheses of correlation of gene expression evolution and genomics features (e.g., shifts in expression due to presence/absence of TE) - Writing research articles & presenting your work at international conferences

Your required skills: - A Master's degree or equivalent in Evolutionary Biology, Bioinformatics or a similar field finished by the starting date - Good communication skills in English - Good written and oral skills in English - Highly motivated and independent working - Basic knowledge in statistical analysis (e.g., a first course in statistical analyses using R) - Basic knowledge in evolutionary genomics

What we offer: - Being part of a large network of genome evolution in insects (https://g-evol.com) - Training in genomics and statistical analysis - Opportunities to participate at international workshops and conferences - Working at the LMU Munich, one of Germany's and Europe's top Universities - Standard LMU salary scheme for doctoral students - Benefits such as health care, 30 days of vacation per year, pension, unemployment insurance, child support (if applicable) and parental leave.

LMU Munich is an equal opportunity employer. The University continues to be very successful in increasing the number of female faculty members and strongly encourages applications from female candidates. LMU Munich intends to enhance the diversity of its faculty members. Furthermore, disabled candidates with essentially equal qualifications will be given preference.

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McMasterU SocialBehaviourGenetics

PhD position to study the genetics of social behaviour

We are looking for a graduate student for an ongoing project deciphering the genetic basis of natural variation in social behaviour. The student would be free to pursue follow-up research that builds on our recent work. See "Evolution of sociability: genome scans and gene validation" (https://doi.org/10.1093/evolut/qpaf230).

Prospective candidates are invited to contact via email either Ian Dworkin (dworkin@mcmaster.ca) or Reuven Dukas (dukas@mcmaster.ca) prior to December 15, 2025. Please include a CV and transcripts in pdf format. The position is open to citizens and permanent residents of Canada as well as others with their own financial support.

Reuven Dukas

Cognitive Ecology Group

Department of Psychology, Neuroscience & Behaviour (PNB)

McMaster University, 1280 Main Street West

Hamilton, Ontario, L8S 4K1 Canada

Office: 905-525-9140 ext. 23894

http://psych.mcmaster.ca/dukas/ Reuven Dukas <dukas@mcmaster.ca>

Montpellier
YeastEvolutionAndDomestication

Impact of Domestication on the Mutation Rate of Wine Yeasts

Host laboratory: This six-month master's internship will begin in early 2026 and will take place at the *UMR SPO (Sciences pour l'Ânologie)*, within the *LIGEM team* (*Yeasts: Interaction, Genetics, Ecology and Metabolism*), located on the *Institut Agro Montpellier* campus.

*Supervisors : - **Souhir Marsit*, Research Scientist (INRAE)

- *Virginie Galeote*, Research Scientist (INRAE)

- *Thibault Nidelet*, Research Scientist (INRAE)

Project description:

Human activities are a major driver of species evolution, both through the alteration of natural environments and through the domestication of plants, animals, and microorganisms. For thousands of years, humans have exploited the fermentative abilities of the yeast *Saccharomyces cerevisiae* to produce alcoholic beverages and fermented foods. Recent genomic studies have shown that domesticated *S. cerevisiae* strains, including wine strains, display greater genomic variation than wild, non-domesticated strains. This suggests that certain anthropogenic environments may influence genomic diversity.

However, few studies have so far attempted to disentangle the factors that shape genomic variation from the selective success they may confer in anthropic environments. In particular, mutation rates remain poorly characterized in wine yeasts.

This project aims to determine how genomic variation rates differ between domesticated wine strains of *S. cerevisiae*and wild strains. To achieve this, we will conduct an experimental evolution assay under weakly selective conditions using multiple lineages of wine and wild *S. cerevisiae* strains. We will then quantify genome duplication rates using flow cytometry, and assess aneuploidy and point mutation rates by whole-genome sequencing.

Keywords: yeast, microbiology, experimental evolution, polyploidy, aneuploidy

*Main methodologies: *Microbiology, experimental evolution, flow cytometry, molecular biology (nucleic acid extraction), and data analysis (R).

Internship conditions

* -Duration:* 6 months

-*Location:* UMR SPO, Institut Agro Montpellier (La Gaillarde campus)

Candidate profile:

Applicants should have basic knowledge of microbiology (sterile techniques), molecular biology and/or genetics, and some experience or interest in data analysis using R.

souhir marsit <souhir.marsit@gmail.com>

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

Prague
EvolCrypticFreshwaterCrustaceans

PhD position available from April 2026—on

Ecological interactions of coexisting cryptic Gammarus species

at—Charles University, Prague, Czechia.

Apply in November 2025 to petrusek@natur.cuni.cz. More details below, and on http://bit.ly/4hC0Orc Within a joint Austrian-Czech project focusing on the freshwater amphipod Gammarus fossarum in the streams of Western Carpathians and Eastern Alps, we will explore feeding ecology, functional morphology, reproductive interactions and direct competition for resources of various lineages of this species complex, which differ in the extent of divergence but occur in mountain streams in syntopy. The project combines field sampling, molecular identification of specimens, stable isotope and gut content analyses, morphological characterization of functionally relevant traits, and lab experiments. We are looking for a motivated PhD student to join the Prague team. The student will contribute to fieldwork in eastern Czechia and will be involved in most of the above-mentioned research lines, but particularly strongly in the work package focusing on trophic ecology of the coexisting cryptic species.

The ideal candidate for this PhD position is interested in both ecology and evolutionary biology, has some experience with work in the lab, and is willing to learn

new methods and contribute to both field- and labwork (DNA, stable isotopes) and laboratory experiments. A car driving licence (and experience with manual gear shift), and ability to successfully collaborate within a wider team of students, and with other national and international research groups, is a must. Good knowledge of written and spoken English is essential for candidate of any nationality.

The student will work under supervision of prof. Adam Petrusek at the Department of Ecology, Faculty of Science, Charles University in Prague. The department has suitable facilities for the DNA work, and offers supporting work environment in an international team. The project will be conducted in close collaboration with teams at University of Ostrava (Czechia) and University of Graz (Austria), where the student may also spend several months of the study in an internship. The position is available for up to four years, starting in April 2026. The PhD candidate's net monthly income will start at ca 32.000 Czk (ca 1330 EUR) in the first year, and may increase over time. To be eligible, the candidate must have obtained a degree equivalent to M.Sc. (B.Sc. is not sufficient due to local legislation) by March 2026 at the latest.

If interested, send a motivation letter outlining your past research, motivation for this position and specific experience (max. 2 pages), CV, list of publications or conference presentations (if available), abstract of Master or Diploma thesis, and contact details of 2-3 senior scientists that can provide references on you in a single PDF file to petrusek@natur.cuni.cz until November 30, 2025. Pre-selected candidate(s) will be invited for interviews over Zoom, and encouraged to submit a formal application through the university study system.

Adam Petrusek <petrusek@cesnet.cz>

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QueenMaryU LondonUK ClimateAdaptation

PhD position in lab of Vicencio Oostra at Queen Mary University of London, co-funded by China Scholarship Council. Open to Chinese students only.

The ecology and genomics of climate adaptation: mapping functional genetic variation in wild insect populations https://www.qmul.ac.uk/sbbs/postgraduate/phd-programmes/projects/display-title-1557808-en.html Primary Supervisor: Dr Vicencio Oostra Studentship Funding: China Scholarship Council & Queen Mary University of London Application Deadline: 28th January 2026

Project Overview

Genetic variation is the raw material for rapid evolutionary change, for instance to climate change or during invasions of new habitats. This variation is not equally distributed across a species' range, and identifying hot and cold spots of genetic diversity can help predictions of where evolutionary adaptation is more likely.

Excitingly, new landscape genomics approaches have provided important insights into environmental drivers of genetic variation in wild populations. Importantly, these methods can link specific climatic variables to variation at specific genomic loci. Separately, functional genetic studies have identified key loci underlying important fitness traits, both in the lab and field.

In this project, you will combine landscape genomics and functional genomics approaches to test the role of functional variation in climate adaptation. Using computational methods, you will use existing published and unpublished datasets in butterflies and other insects. You will combine approaches from landscape genomics, ecology, functional genomics (e.g. RNAseq) and demographic modelling.

Specifically, you will a) map genome-wide genetic variation across species ranges for different groups of insects; b) identify environmental factors that structure this variation; c) test the role of functional genetic variation, compared to neutral variation, in adaptation to climate.

This is a mostly computational project, with the possibility of lab and field work, depending on your interests. Please get in touch to discuss before applying.

Research Environment

The Oostra lab (https://www.vicencio.eu/join-the-lab/) is a team of 2 postdocs, 4 PhD students and 1 technician with broad expertise in evolutionary genomics, bioinformatics, and ecology, providing an stimulating intellectual environment.

We are a diverse and welcoming group of researchers who value collaboration and curiosity.

Full training in evolutionary genomics, bioinformatics, ecology, and statistics will be provided by supervisors and collaborators, by attending specialised courses, and through collaboration with other lab members. The lab's major current funding is through an ongoing (2022-2029) UKRI Future Leaders Fellowship (https://gtr.ukri.org/projects?ref=MR%2FV024744%2F2 Find

out more about the School of Biological and Behavioural Sciences on our website: https://www.qmul.ac.uk/-sbbs/postgraduate/phd-programmes/ Keywords: evolutionary genomics; climate adaptation; GIS; ecology; bioinformatics. Funding & Eligibility

Queen Mary University of London has partnered with the China Scholarship Council (CSC) to offer a joint scholarship programme to enable Chinese students to study for a PhD programme at Queen Mary. Under the scheme, Queen Mary will provide scholarships to cover all tuition fees, whilst the CSC will provide living expenses and one return flight ticket to successful applicants.

Applicants must:

Be applying for CSC funding. Be a citizen and permanent resident of the People's Republic of China and hold a Chinese passport. Satisfy all eligibility criteria set out by the CSC and must refer to the CSC website for full details: https://www.csc.edu.cn/ and https://-www.csc.edu.cn/article/2217 Apply to QMUL by 28th January 2026. Late applications will not be considered. Submit ALL required documentation, including evidence of their English Language ability ahead of the CSC application deadline.

CSC application rules differ slightly for domestic applicants (students applying from China) and overseas applicants (students applying from overseas). Therefore, ALL applicants are advised to see the CSC website for full details on eligibility and conditions on the scholarship.

Entry Requirements

We are looking for candidates to have or expecting to receive a first or upper-second class honours degree and a Master's degree in an area relevant to the project such as Biology, Ecology, Genomics, or Bioinformatics.

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SheffieldUK Two PlantEvolution

There are two PhD positions to join us at Sheffield University, UK

[1] Detecting rapid evolutionary responses to climate change in UK plants This PhD project investigates how UK native grasses are adapting to climate change by comparing "resurrected" ancestral populations from seed banks with their modern descendants. Using growth experiments and genome resequencing, the study will test for adaptive traits, identify genetic changes, and trace evolutionary patterns through time and space. Working with Kew Gardens and the Millennium Seed Bank, the student will gain expertise in plant biology, evolutionary genetics, and bioinformatics while addressing urgent questions about biodiversity and climate resilience.

Full advert & instructions to apply: https:/-/www.findaphd.com/phds/project/acce-dla-programme-detecting-rapid-evolutionary-responses-to-climate-change-in-uk-plants/?p189805 Application deadline: 7th January 2026

[2] Natural GM: The Role of Horizontal Gene Transfer in Crop Adaptation and Evolution This PhD project explores how horizontal gene transfer (HGT) has shaped the genomes of key crops like maize, wheat, and rice by introducing functional genes from other species. Through comparative genomic, epigenetic, and experimental approaches (including CRISPR validation) you will uncover how these foreign genes are integrated, regulated, and contribute to traits such as stress tolerance and yield. The project offers cutting-edge training at the intersection of plant evolution, genomics, and agriculture, addressing fundamental questions about natural genetic exchange and its role in crop improvement.

Full advert & instructions to apply: https://-www.findaphd.com/phds/project/bbsrc-yorkshire-bioscience-dla-programme-natural-gm-the-role-of-horizontal-gene-transfer-in-crop-adaptation-and-evolution/?p189996 Application deadline: 7th January 2026

Additional information about the research group you will be joining: https://dunning-lab.sites.sheffield.ac.uk/ *Dr Luke T. Dunning*

Senior Lecturer Ecology and Evolutionary Biology School of Biosciences University of Sheffield @LukeTDunning < https://twitter.com/luketdunning > https://dunning-lab.sites.sheffield.ac.uk/ Luke Dunning <l.dunning@sheffield.ac.uk>

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Switzerland CyprinidEvolutionaryGenomics

20 Nov 2025 Fully funded PhD position: Evolutionary & population genomics of the hexaploid adaptive radiation of Labeobarbus fishes in Lake Tana

Supervisor: Dr. Pooja Singh Starting date: 01-03-2026

We would like to fill a PhD position funded for 3.5 years (with possibility of 6-month extension) by the Swiss National Science Foundation (SNSF) at the University of Bern (Switzerland). We are seeking an enthusiastic and highly motivated researcher to work towards understanding the evolutionary dynamics of speciation and adaptive radiation in Labeobarbus fishes from Lake Tana in Ethiopia. This project will involve fieldwork in Ethiopia, integration of genomics data with morphology and ecology. This project is conducted in a team consisting of scientists at the University of Addis Ababa (Prof. Abebe Getahun, Prof. Helen Nigussie) and Uni Bern and The Swiss Federal Institute of Aquatic Science and Technology (Prof. Ole Seehausen).

Lake Tana, Ethiopia's largest lake, is a unique biodiversity hotspot that is home to the last remaining species-flock of cyprinid fishes in the world. The genus Labeobarbus is hexaploid and underwent rapid adaptive radiation in Lake Tana as it filled up 15,000 years ago, giving rise to ˜17 endemic species. We have recently assembled the first draft hexaploid reference genome for Lake Tana Labeobarbus. In this project we will reconstruct the evolutionary history and speciation dynamics of this radiation and investigate the role of polyploidy and hybridisation in adaptation and speciation. You will be working closely in a team with two other PhD students. A strong commitment to fostering international collaborations is essential, and we welcome an inquisitive approach to shaping projects around your research interests.

More information about my research can we found at: https://poojasinghevogen.weebly.com You will be based in the Division of Aquatic Ecology & Evolution (https://www.aqua.iee.unibe.ch) at Uni. Bern and the Department of Fish Ecology & Evolution at The Swiss Federal Institute of Aquatic Science and Technology (https://www.eawag.ch/en/department/fishec).

Requirements: -â€â€â€âin evolutionary biology and genetics (essential) -â€â€â€âwith linux and capabilities in coding in R and/or Python (essential) -â€â€â€âhandling genomics data and bioinformatics tools (essential) -â€â€â€âto work independently but also synergistically and respectfully with individuals from different backgrounds (essential) -â€â€â€âwritten/spoken English language skills (essential) -â€â€â€âorganisations, communication, and collaborative skills (essential) -â€â€â€âstudying fishes (desirable but not essential) -â€â€â€âwith fieldwork (desirable but not essential)

Applications: Single pdf file named as "FirstNameSurname_UBern_PhD2025.pdf", with the supporting documents in the following order: 1.â€â€â€1-to-2-page letter of motivation highlighting past research experience, interest in this position, and how it fits into your career goals/vision. 2.â€â€âwith publication/reports/other scientific products list, describing your role in each publication. 3.â€â€â€âdetails of three referees. 4.â€â€â€âand MSc transcripts.

Applications should be sent by email to pooja.singh@unibe.ch. The email subject should be: âapplication labeobarbus' by midnight on the 21st of December 2025 (GMT+1).

Salary: Determined according to University of Bern salary scheme for PhD students.

Diversity and equity are key values of our team, and we especially encourage women, people of colour, individuals from the Global South, and other underrepresented groups in Ecology and Evolution to apply for this positionâthose who sit at the intersection of multiple axes of discrimination.

Please direct inquiries to Dr. Pooja Singh (pooja.singh@unibe.ch)

Switzerland offers a good quality of life and is a great springboard for a successful career globally.

pooja.singh@unibe.ch

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TexasAMU DeNovoGenes

Ph.D. POSITION IN DE NOVO GENE/NONCANONICAL ORF EVOLUTION

A Ph.D. position is available in the Casola Lab at Texas A&M University (http://agrilife.org/casolalab/). We develop novel computational approaches to study the

evolution and function of de novo genes and noncanonical ORFs across multiple taxa. Our group collaborates with other laboratories to experimentally characterize the biological impact of de novo genes.

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

Genetics (http://genetics.tamu.edu/) Ecology and Evolutionary Biology (http://eeb.tamu.edu/) Ecology and Conservation Biology (https://eccb.tamu.edu/)

Experience in comparative genomics/evolutionary genomics is required. Prospective students should contact Dr. Claudio Casola (claudio.casola@ag.tamu.edu) and to submit a CV and a brief statement of interest before formally applying.

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

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UCambridge EvolutionaryNeurobiology

PhD position/Research Assistant in Evolutionary Neurobiology Dept. of Zoology, University of Cambridge

A Research Assistant/PhD Student position is available from 1 October 2026 for up to 48 months, to work with Professor Stephen Montgomery. This Research Assistant position would allow for the post holder also undertake a postgraduate course (PhD) at the University in Department of Zoology, located in Central Cambridge.

The RA-PhD Student will work on understanding the evolution of neural circuits associated with a major expansion of the insect learning and memory centre, the mushroom bodies, in Heliconius butterflies. They will be part of a team of researchers with complementary expertise in bioinformatics, development and neuroscience, with opportunities for collaboration across the project while also pursuing their own objectives. They will have a dedicated training budget and a supportive and engaged supervision team.

This work will be undertaken as part of the recently awarded Wellcome Trust Discovery grant on the developmental control of neural cell number and type and will directly contribute towards the Doctor of Philosophy (PhD) studies that the successful candidate will be enrolled in at the Department of Zoology, University of Cambridge.

Duties will include Development of species-specific protocols; Running experiments in the laboratory; Data collection, analysis and interpretation; Preparation of manuscripts for publication; Assistance in the maintenance of animal stocks and lab equipment; Co-supervision of project students working on related topics; Collaboration with team members

Essential skills: BSc/MSc. degree or equivalent in an appropriate subject (e.g. biological sciences, neuroscience, or similar), completed or completion imminent. Determination and enthusiasm to do research. Ability to work effectively and independently in a collaborative research team setting. Strong quantitative and analytical skills, fluency in English Excellent interpersonal and communication skills A commitment to open and inclusive science Enthusiasm to interact with colleagues.

FULL DETAILS AND APPLICATION INSTUCTIONS AVAILABLE HERE: https://www.cam.ac.uk/jobs/-research-assistant-fixed-term-pf47939 For general enquiries, contact: shm37@cam.ac.uk

Prof Stephen Montgomery He/Him www.shmontgomery.co.uk Stephen Montgomery <shm37@cam.ac.uk>

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UDenver AmericanU HostParasiteEvolutionEcol

Hello,

We are recruiting two PhD students, one in the Tinghitella lab at the University of Denver (CO) and one in the Broder lab at American University (D.C.), as part of a collaborative grant to study the rapid evolution of sexual signals in Hawaiian populations of the Pacific field cricket. Over the last ~10 years our labs have documented the evolution of multiple new male cricket morphs that produce distinct, novel songs in response to an eavesdropping parasitoid fly. The proposed work will include longitudinal data collection of signals and receiver preferences across replicate island populations, lab and field-based experiments to test the

role of relaxed mating preferences in signal evolution, as well as field mesocosm experiments that examine the impacts of signal evolution for host-parasite dynamics in a multi-host assemblage. We would love to recruit students who are interested in animal behavior, bioacoustics, science communication, statistics, and pulling all-nighters to study a nocturnal insect in HI.

Graduate students will be fully supported through research assistantships, teaching assistantships, and tuition waivers. Please see tinghitellalab.weebly.com and dalebroder.wordpress.com to learn more about our labs.

You can contact us at robin.tinghitella@du.edu and edalebroder@American.edu to express interest and set up a time to chat with us. Please include a CV and indicate in your email what draws you most to this project. Applications to our respective graduate schools are due December 15, so please reach out soon.

Help us spread the word with anyone who may be interested!

Thanks so much,

Robin and Dale

E Dale Broder, PhD Assistant Professor Department of Biology American University Pronouns < https://pronouns.org/ >: they/them website: dalebroder.wordpress.com

Dale Broder <edalebroder@american.edu>

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UEastAnglia HistoricalGenomicsRedSquirrel

A PhD position is available on historical genomics in the red squirrel in Britain. The position will be based at the School of Biological Sciences at the University of East Anglia (UEA) in Norwich, UK, and supervised by Dr. Anders Bergström.

- - - Scientific background - - - The red squirrel in Britain is one of the most iconic examples of a declining population. It has suffered greatly since the introduction of the invasive grey squirrel in the late 1800s, but even before then it was struggling due to hunting and deforestation. However, already since the late 1700s, people have tried to counter the decline by introducing new red squirrels from continental Europe, representing an unusually long-running attempt at genetic rescue. How all of this has affected the genetic make-up, fitness and ancestry of squirrels is very poorly understood.

This project will study the rollercoaster history of the red squirrel in Britain using historical DNA, which promises to add a whole new layer of understanding to the histories of species. By directly tracing red squirrel genetic diversity over the past few hundred years, the project has two goals: 1) To provide general insights into the genetics of population decline and rescue, broadly applicable across organisms. 2) To reconstruct the specific history of the widely cherished red squirrel, potentially informing future efforts to conserve it.

- - - Research methodology - - - The project will sequence whole genomes from the few surviving British red squirrel populations, and continental reference populations. It will use historical DNA techniques to sequence genomes from British squirrels in museum collections, to directly analyse how genetic diversity, inbreeding and genetic load has changed over time, and evaluate the effects that the many introductions actually had on squirrel populations. The project will also address how much native British squirrel ancestry persists today, to test the hypothesis that the many introductions has led to a complete loss of native ancestry and local genetic adaptations ('genetic swamping').

- - - Training - - - The student will receive broad training in molecular biology, historical DNA, genomics, bioinformatics and population genetics. The student will take part in journal clubs and departmental seminars, present their work at conferences, and develop skills in critical thinking and science communication.

- - - Person specification - - - The ideal candidate will have a background in a biological science (e.g. genetics, molecular biology, biochemistry, zoology, evolution, ancient DNA, bioarchaeology), and have strong interests in genomics, wet-lab work, and evolution.

- - - Application - - - Application deadline: 7 January 2026. Start date: 1st October 2026. Fully funded through the ARIES program, open to applicants of all nationalities. For more information, including on how to apply, see: https://aries-dtp.ac.uk/studentships/-bergstrom_uea_aries26/ For UK 'home students' (British or Irish citizen, or UK settled status or resident), there is an additional opportunity to apply and have the project funded by University funds. The application deadline for this route is earlier, 10 December 2025: https://www.uea.ac.uk/course/phd-doctorate/phd-historical-genomics-of-the-declining-red-squirrel-in-britain-bergstromau26sci- .Anyone eligible is encouraged to apply through both routes. Contact Anders Bergström (a.bergstrom@uea.ac.uk) if

any clarification on this is needed.

For informal inquiries please contact Anders Bergström: a.bergstrom@uea.ac.uk https://-research-portal.uea.ac.uk/en/persons/anders-bergstr%C3%B6m/ "Anders Bergstrom (BIO - Staff)" <A.Bergstrom@uea.ac.uk>

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UEdinburgh PopulationGenetics

PhD Position available at the Institute of Ecology and Evolution, University of Edinburgh, UK.

Why are there unusual genetic regions of high-diversity self-fertilising species? Supervisors: Matthew Hartfield, Cei Abreu-Goodger, Laura Ross, Lewis Stevens (Wellcome Sanger Institute)

Self-fertilisation, where individuals create both male and female gametes that can fuse during reproduction, is a reproductive mode that is pervasive across the tree of life. Although commonly associated with plants, it is also present in a number of animal groups. It is expected that self-fertilising species are an evolutionary 'dead end' as they harbour less genetic diversity than related outcrossing species due to a lack of genome mixing with other parents, and hence limit their ability to respond to evolutionary changes. However, emerging large-scale genetic datasets are challenging this view, by uncovering high-diversity regions in selfing species. Various hypotheses have been proposed for how genetic diversity is able to be maintained, including population mixture and balancing selection. It has also been hypothesised that these regions can subsequently lead to the evolution of selfish genetic elements. There is hence a pressing need to further investigate why these regions are caused, and how they are maintained by selection. The goal of this project is to harness genetic, computational, and bioinformatic analysis to understand the causes and consequences of high diversity in self-fertilising species, with application to a large dataset of several self-fertilising Caenorhabditis nematodes.

Further details and application instructions, with a deadline of 14th December 2025: https://e5-dtp.ed.ac.uk/-project?item=1323 I am also happy to sponsor non-UK student applications for Darwin Trust scholarships (https://biology.ed.ac.uk/darwintrust); please contact me if interested. Deadline for enquiries is the 7th January 2026.

The expected start date for the project is October 2026. Interested students can contact me to ask for more details.

Matthew Hartfield m.hartfield@ed.ac.uk hartfield-lab.com

Matthew Hartfield Room 1.19 Institute of Ecology and Evolution The University of Edinburgh Ashworth Laboratories Charlotte Auerbach Road Edinburgh EH9 3FL, UK

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

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

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UExeter WildRodentImmunogenetics

Fully funded PhD opportunity at the Centre for Ecology & Conservation, University of Exeter, UK

How is immunogenetic variation maintained in the wild?

Why are alleles that increase disease susceptibility maintained in populations, when natural selection should eliminate them? This PhD project aims to uncover the evolutionary forces that maintain genetic variation in disease susceptibility in natural populations, using bank voles (Myodes glareolus) as a model. You will combine whole-genome resequencing and pathogen screening to test how fluctuating selection and antagonistic pleiotropy shape genetic diversity, with a special focus on the trade-off between resistance and autoimmune disease risk / immunopathology.

This project is ideal for candidates excited by fundamental evolutionary questions at the intersection of wildlife disease ecology, genomics, and immunology. You will have significant freedom to develop the project in directions that match your interests and strengths. Deadline: Jan 8th 2026.

Apply here:https://tinyurl.com/2prtr893 Con-

tact for more information: Barbara Tschirren (b.tschirren@exeter.ac.uk)

"Tschirren, Barbara" <B.Tschirren@exeter.ac.uk>

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UGlasgow AdaptationToWarming

A PhD position is available at the University of Glasgow based in the lab of Kevin Parsons, with co-supervision with Chris Harrod (Glasgow), Heidrun Feuchtmayr (UK Centre for Ecology and Hydrology), Jason Newton (Glasgow), and Clayton Magill (Herriot-Watt University). The studentship is funded, including stipend, along with a research and training budget as part of the NERC IAEPETUS DTP

Full details and application portal can be found here:

https://iapetus.ac.uk/studentships/examining-ecological-shifts-and-impacts-of-adaptive-divergence-in-response-to-geothermal-habitats/ Project description: - Climate change poses a major threat to biodiversity, but some populations will undergo ecological shifts to persist with impacts on the supporting ecosystem. How this will occur is unknown but in some areas of geothermal warming unique opportunities are provided to investigate the ecological impacts of a warmed habitat. - In Iceland's geothermally warmed habitats, we have discovered several populations of threespine stickleback. This has driven adaptive divergence in metabolism, morphology, and behaviour. However, evidence also suggests that ecological differences in diet occur. This could drive much of the adaptive divergence observed, while also impacting the broader community. - This project will look directly at the dietary changes that occur in these populations to better understand the ecological drivers of thermally- driven adaptive change. To achieve this the project will address three main aims: - 1. Analysis of long-term dietary variation using stable isotopes to compare between populations from geothermal and ambient habitats (across multiple locations) - 2. Assess ontogenetic variation in diet to determine at what life stage ecological divergence occurs - 3. Tests of heritable divergence in diet preferences, performance, and bioenergetic partitioning through the use of lab-rearing and mesocosm experiments - Field work will take place in Iceland, while mesocosm experiments will be conducted at the UK Centre for Ecology and Hydrology. We the candidates with the ability to work in a team as they will be part of a dynamic and social group of PhD students and postdocs at Glasgow. The lab meets weekly to discuss papers of interest, project ideas, explore methodologies, and to practice presentations for conferences or within the institute. The University of Glasgow is a top 100 institution, with research expertise in many areas offering a stimulating environment.

Eligibility: This postion is avaible to both UK and international students. The Iapetus programme will be holding an online Q&A application workshop on the 26th of November, but further details are currently available at https://iapetus.ac.uk/how-to-apply/#Eligibility Interested applicants should contact Kevin Parsons directly with a CV and statement of interest before the 8th of December if they are an International applicant, while UK applicants should be in touch before the 15th of December. This will provide time for the different processes and the final deadline of the 5th of January 2026 to be met. Note: IAPETUS has alos introduced the Diversifying Talent Scholarship Scheme, with provides a separate competition for underrepresented groups (details on https://iapetus.ac.uk/).

Dr. Kevin Parsons Editor in Chief - Evolutionary Biology School of Biodiversity, One Health, and Veterinary Medicine University of Glasgow

Phone: +44 (0) 0141 330 5974

https://sites.google.com/site/kevinparsonslab/home http://www.gla.ac.uk/researchinstitutes/bahcm/-staff/kevinparsons/ Kevin.Parsons@glasgow.ac.uk

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UGlasgow LizardReproductiveBiol

We have a PhD position available in the University of Glasgow's College Futures Themes PhD Programme. This position is fully funded for stipend and tuition fees, and includes a research budget. The studentship is hosted at the University of Glasgow School of Biodiversity, One Health & Veterinary Medicine and supervised by Kathryn Elmer, Maureen Bain, and Neil Evans.

Please find more information here https://-www.gla.ac.uk/colleges/mvls/graduateschool/phd-research-opportunities/futures-programme/projects/-

fundamentals-of-life/fol22kathrynelmer/ The project is offered within the Future Themes programme, with final candidate selection handled by the programme committee.

Project: FUNDAMENTAL MECHANISMS OF REPRODUCTION: VIVIPARITY IN AN EVOLUTIONARY CONTEXT

Summary: Live-bearing reproduction (viviparity) is a key evolutionary innovation in amniotes, enabling extended maternal-foetal communication and influencing traits such as immune tolerance, nutrient transport, and birth timing. While viviparity is well-known in mammals, it has evolved independently in other lineages, making it difficult to reconstruct its origins. This project uses the European lizard Zootoca vivipara, a uniquely bimodal species with both egg-laying and live-bearing populations, to investigate the physiological and gene regulatory basis of viviparity. Its recent evolutionary transition and simple placental structure make it an ideal model for studying early pregnancy evolution.

The research will compare reproductive tissues and gene expression between oviparous and viviparous individuals, quantify maternal-foetal communication using hormone assays, and explore foetal signalling through maternal tissue responses. These insights will advance understanding of reproductive trait evolution across amniotes.

The student will gain training in molecular biology, next-generation sequencing, histology, microscopy, hormone analysis, and bioinformatics. They will also develop skills in animal welfare, data management, and scientific communication. Working within a collaborative and experienced research group, including international partners, the student will contribute to resolving fundamental questions in reproductive biology and evolutionary development. The student will join an active, collegial, and dynamic research group with on-going funded project in this topic.

The successful candidate for this project is likely to be someone with a strong theoretical background in evolution, developmental biology and/or genetics, who can show evidence of practical laboratory and analytical experience in an appropriate field, and demonstrated aptitude for and interest in biology research. Experience with lizards and a drivers licence would be an asset.

The University of Glasgow ranks in the world's top 100 universities. The School of Biodiversity, One Health & Veterinary Medicine is an outstanding research and teaching unit, with many opportunities for collaboration and discussion in a supportive and productive environment. Glasgow is a lively cultural city on the doorstep of the beautifully rugged Scottish Highlands.

Start date: Oct 2026.

Eligibility: This studentship is open to UK home students only.

Deadline: Closing date for applications will be January 12th 2026

Informal inquiries to Kathryn Elmer in advance of the deadlines are welcome.

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

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UGoettingen Germany EvolutionaryGenomics

3-year PhD position (65% TV-L E13) in "Evolutionary & Comparative Genomics" at the University of Göttingen.

We study the evolutionary impact of gene and genome duplication in arthropods. Gene duplications are major drivers of evolutionary innovation, but their consequences vary significantly across lineages like insects and spiders, providing a powerful comparative framework to study the genomic and phenotypic impact of duplication events. This computational project will leverage a unique, large-scale dataset of 233 high-quality arthropod genomes toÂ:

1) Â classify different types of duplication events and determine their impact on genome architecture and gene function. 2) Â integrate multi-omics data (bulk-RNAseq, scRNAseq, long-read RNAseq, ATAC-seq) to explore how duplicated genes diverge in their protein sequences and expression patterns. 3) Â study the molecular mechanisms driving this diversification, such as inter-locus gene conversion, alternative splicing and the role of transposable elements in creating novel exons and divergence in gene regulation.

The project is part of an interdisciplinary consortium studying the "Genomic Basis of Evolutionary Innovations (GEvol)" (Priority Programme, SPP 2349 funded by German Science Foundation (DFG)) and the PhD candidate will be tightly embedded in the international and vibrant research community at the Göttingen Research Campus and the graduate school IMPRS-GS. Regular exchange with and research visits at collaboration labs (e.g. Mathilde Cordellier, University Rostock) provide further opportunities for personal and profes-

sional development.

What you should bring: bioinformatic and statistical skills in one or more of the following areas: comparative genomics, orthology, RNAseq, long-read RNAseq, single-cell RNAseq, ATACseq, integration of multi-omics data, phylogenomics and genome assembly/annotation.

Inquiries should be sent to Nico Posnien (nposnie@gwdg.de).

Application deadline: January 14, 2026

Apply here: https://www.uni-goettingen.de/de/-556704.html Nico Posnien (he/him) #gernperDu #CallMeByMyFirstName Georg-August-University Göttingen Johann-Friedrich-Blumenbach Institute for Zoology and Anthropology Department of Developmental Biology Ernst-Caspari-Haus (GZMB) Justus-von-Liebig-Weg 11 37077 Göttingen Germany

Phone: +49 (0) 55139 28662 E-mail:nposnie@gwdg.de Website:http://www.posnien-lab.net Bluesky: @posnienlab.bsky.social

"Posnien, Nico" <nposnie@gwdg.de>

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UGoettingen Germany Multiple EmergingModelSystems

Dear colleagues,

Please consider applying and/or forward this information to interested students.

10 PhD positions are available in the DFG funded Research Training Group GönomiX "Emerging genetic model systems - Cross-species comparison of developmental gene function and gene regulatory networks."

GönomiX focuses on the evolution of gene regulatory networks and Wnt pathway functions in emerging model organisms (e.g. insects, annelids, snails, flatworms, cnidarians), utilizing 'omics technologies and bioinformatics. Students will either pioneer novel bioinformatics tools or they will push the current limits of our model systems by developing novel tools to study gene function (genome editing, RNAi, single molecule imaging etc.). The group of 10 PhD students will closely collaborate, join our structured training program and participate in regular scientific exchange e.g. in retreats, colloquia and in tailored workshops.

Information: Information on GönomiX projects: https://www.uni-goettingen.de/de/research/702897.html Starting date: around June 2026 Information on our structured training program: https://www.uni-goettingen.de/de/training/702885.html We are a team of 9 researchers from the University of Göttingen, the University Medical Center and the Max Planck Institute of Multidisciplinary Sciences https://www.uni-goettingen.de/de/team/702893.html Questions? Feel welcome to ask any question during our informal online information session on Wednesday December 17th, 2pm (Berlin time): https://uni-goettingen.zoom.us/my/meeting.with.gregor Application: Application deadline: January 14th 2026 Application portal (run together with the International Max Planck Research School Genome Science - you may apply to both programs on our joint recruitment site): https://www.uni-goettingen.de/de/application/-556704.html Consider the IMPRS-GS projects as well: https://uni-goettingen.de/de/556628.html Greetings, Nico

Nico Posnien (he/him) #gernperDu #CallMeByMyFirstName Georg-August-University Göttingen Johann-Friedrich-Blumenbach Institute for Zoology and Anthropology Department of Developmental Biology Ernst-Caspari-Haus (GZMB) Justus-von-Liebig-Weg 11 37077 Göttingen Germany

Phone: +49 (0) 55139 28662 E-mail:nposnie@gwdg.de Website:http://www.posnien-lab.net Bluesky: @posnienlab.bsky.social

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3-year PhD position (65% TV-L E13) in "Evolution of the gene regulatory networks underlying the development of morphological novelties in a darkling beetle" at the University of Göttingen.

We are generally interested in studying the genetic, developmental and cellular bases of phenotypic divergence.

This project will identify the gene regulatory networks (GRNs) and cellular processes underlying post-embryonic development of exaggerated head horns in the darkling beetle Gnatocerus cornutus. We will compare "horn" (G. cornutus males) versus "no-horn" phenotypes (G. cornutus females and Tribolium castaneum males) using developmental single-cell omics (snRNA-seq, scATAC-seq) and different imaging techniques. Candidate genes will be functionally tested using RNA interference and fluorescent in situ hybridization (HCR). We will test the hypothesis that the embryonic anterior GRN is re-deployed to form novel adult head structures.

The project is part of the interdisciplinary graduate school "GönomiX: Emerging genetic model systems -

Cross-species comparison of developmental gene function and gene regulatory networks": https://www.uni-goettingen.de/de/home/624201.html The PhD candidate will be tightly embedded in the international and vibrant research community at the Göttingen Research Campus.

What you should bring: Completed Master studies in Developmental Biology, Genetics, Evolutionary Biology or related fields. Experience with single-cell sequencing data generation and analysis is a plus.

Inquiries should be sent to Nico Posnien (nposnie@gwdg.de).

Application deadline: January 14, 2026

Apply here: https://www.uni-goettingen.de/de/-556704.html Nico Posnien (he/him) #gernperDu #CallMeByMyFirstName Georg-August-University Göttingen Johann-Friedrich-Blumenbach Institute for Zoology and Anthropology Department of Developmental Biology Ernst-Caspari-Haus (GZMB) Justus-von-Liebig-Weg 11 37077 Göttingen Germany

Phone: +49 (0) 55139 28662 E-mail:nposnie@gwdg.de

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UGroningen EcologicalGenomics

POSITION fully funded PhD: Using Ecological Genomics to study the Effects of Climate Change and Invasive Species on Blue Mussels (Mytilus edulis) in the Wadden Sea

JOB DESCRIPTION This PhD project at GELIFES, University of Groningen, aims to understand how anthropogenically driven environmental pressures are affecting blue mussels (Mytilus edulis) in the Wadden Sea, a UNESCO World Heritage Site. Mussels are ecosystem engineers and vital to the overall functioning of the intertidal ecosystem, providing substrate and protection for benthic organisms, and are a critical resource for coastal and migratory birds like knots and oystercatchers. The introduction of the invasive Pacific Oyster in the late 1970s has led to a proportional decline in pure mussel beds and an increase in Oyster reefs and mixed beds in the Wadden Sea. Approximately half of all reef-forming structures in the Dutch Wadden Sea are blue mussels, while the Lower Saxon region has seen a complete dominance of mixed beds, with 80% of the wet biomass consisting of Pacific Oyster. While these two species can coexist, the impact of Pacific oysters on the blue mussel population remains unknown. Increased competition for resources and changes in environmental conditions are likely to influence individual fitness; however, the extent to which this affects genetic diversity remains unexplored. In addition, climate change is disproportionately warming shallow intertidal ecosystems. Some areas of the Wadden Sea have experienced an increase of almost 2 degrees in surface water temperature over the last 60 years, which is nearly double the global mean increase. As environmental conditions change, a critical question is whether blue mussels can cope with future environmental conditions. Unresolved questions include how blue mussels respond to their environment at the molecular level and how resilient they are in coping with unprecedented environmental changes.

The successful candidate will get the opportunity to work with cutting-edge sequencing approaches and develop state-of-the-art computational resources to develop analytical workflows. A primary task is to generate a genomic dataset that allows us to test for genetic differences between environmental conditions. Genotype-by-environment (or similar) analysis combined with environmental models will be utilised to assess the vulnerability of blue mussels under different PICC climate change projections. The student will be required to design and conduct fieldwork, lab work, and bioinformatic analysis. The results will be used to assess the impact of anthropogenically driven environmental changes on blue mussels. Insights will contribute to the development of informed management strategies that consider the long-term impact of unprecedented ecological change and help maintain a resilient Wadden Sea ecosystem. The position is placed at the Groningen Institute for Evolutionary Life-Sciences (GELIFES), University of Groningen.

QUALIFICATIONS The candidate will be based in the group of dr. Tom Oosting (Ecological Genomics Lab.) (https://www.rug.nl/staff/t.oosting/), for a period of 48 months (1.0 FTE). The candidate is expected to start the latest 1 March 2026.

The candidate is expected to make an active contribution to the Ecological Genomics Lab. Group and the Marine Biology cluster in Groningen. The successful candidate should have: * A Master's degree (or equivalent) in ecology/genetics or a related field * Experience in population genetics or highly motivated to learn * Experience in R/python/linux or highly motivated to learn * High motivation in pursuing academic research

* High and demonstrated English proficiency * Effective communication (both written and spoken in English) and collaboration abilities. * Demonstrable time management skills

ORGANISATION Founded in 1614, the University of Groningen enjoys an international reputation as a dynamic and innovative institution of higher education offering high-quality teaching and research. Flexible study programmes and academic career opportunities in a wide variety of disciplines encourage the 35,000 students and researchers alike to develop their own individual talents. As one of the best research universities in Europe, the University of Groningen has joined forces with other top universities and networks worldwide to become a truly global centre of knowledge.

CONDITIONS OF EMPLOYMENT We offer you, following the Collective Labour Agreement for Dutch Universities: * a salary of euro 3,059 gross per month in the first year, up to a maximum of euro 3,881 gross per month in the fourth and final year for a full-time working week * a holiday allowance of 8% gross annual income and an 8.3% year-end bonus * A full-time position (1.0 FTE). The successful candidate will first be offered a temporary position of one year with the option of renewal for another three years.

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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

UHamburg PhytoplanktonEvolution

Dear all at EvolDir,

we have another PhD position opening (the deadline for applications is still flexible) , where we will look at phytoplankton (experimental) evolution under decarbonisation scenarios within the framework of the “Climate, Climatic Change, and Society” cluster.

Details can be found here: https://www.uni-hamburg.de/en/-stellenangebote/ausschreibung.html?jobID=-fcc53983cf51d056232620e5109c536a97ddc1c2 . All the best Elisa

Dr. Elisa Schaum Institute of Marine Ecosystem and Fishery Science (IMF) Centre for Earth System Research and Sustainability (CEN) Universitï¿½t Hamburg Olbersweg 24 22767 Hamburg Germany Phone: +49(0)40 - 42838 6625 https://www.biologie.uni-hamburg.de/-planktonecoevo My pronouns are she/her. Please do not hesitate to let me know how you would like to be addressed.

“Schaum, Prof. Dr. Charlotte-Elisa Luise” <elisa.schaum@uni-hamburg.de>

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UIllinois EEB Genomics

The Catchen Lab (https://catchenlab.life.illinois.edu/), in the Department of Evolution, Ecology, and Behavior at the University of Illinois at Urbana-Champaign is recruiting graduate students to join our lab.

Our lab is primarily a computational lab that focuses on the evolution of genome architecture. We blend comparative genomics with population genetics, applying a computational toolset to most of our analyses. We sequence a lot of DNA, focusing on long- and short-read sequencing, combining these data with novel algorithm development in Python and C++. We accept students with a range of computational experience and previous students have worked on research projects ranging from purely biological analyses to writing software.

Recent projects in the lab have included significant work in fishes, including the genomics of Antarctic fishes, the genome architecture of killifishes, stickleback genomics, ancient and modern salmon DNA, and investigating the genomic basis of honey bee metabolism.

Some of our students develop software packages; the lab developed the Stacks software for analyzing RADseq data, tools for conserved synteny analysis and genome assembly curation, visualization tools, such as Klumpy, and with some cool stuff under development.

The department of Evolution, Ecology and Behavior is housed within the School of Integrative Biology, home to over 30 faculty working in ecology, behavior, conservation and evolution. The University of Illinois at Urbana-Champaign offers state-of-the-art research facilities such as the Institute for Genomic Biology (IGB), the Beckman Institute (several research themes including bioimaging and Molecular Science and Engineering) and the Grainger College of Engineering. Urbana-Champaign is a pleasant, affordable, university town

with good music and restaurants. It has its own airport and is close to three major U.S. cities (Chicago, Indianapolis, St. Louis).

Students for the Ph.D. are typically funded for 5-years with a combination of fellowships, research assistantships, and teaching assistantships. The deadline for consideration is December 15, 2025.

Please contact Julian Catchen (jcatchen@illinois.edu) if you have questions or want to discuss opportunities in the lab.

"Catchen, Julian" <jcatchen@illinois.edu>

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ULeicester BacterialEvolDataScience

Are you interested in using data analysis, computer simulations and population genetics theory to understand why bacteria may become virulent? Then, have a look at our PhD project at the University of Leicester (UK), where we want to look at this and other questions in bacterial evolution: https://warwick.ac.uk/fac/cross_fac/mibtp/phd/-supervisors/FFreund/#Evolutionary_mechanisms .The deadline for application is the 27th November 2025. Ideally, you have already some experience with data analysis, bioinformatics and/or population genetics.

The studentship is part of the BBSRC Midlands Integrative Biosciences Training Partnership, whose 4-year studentships are open to UK and international applicants and come with tuition and a project budget. Please see https://warwick.ac.uk/fac/cross_fac/mibtp/phd/ for more information (and even more interesting projects at the University of Leicester and other Midlands universities).

Happy to have a chat about the project, drop me an email at ff95@leicester.ac.uk.

Best wishes,

Fabian

Fabian Freund (Dr.)

Lecturer in Population Genomics

School of Biological and Biomedical Sciences, Division Genetics and Genome Biology

University of Leicester, UK

"Freund, Fabian" <ff95@leicester.ac.uk>

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UMainz EvolutionaryGenetics

PhD Position in Evolutionary Genetics, Mainz, Germany

We are recruiting a highly motivated PhD candidate to study how fecundity evolves and is genetically controlled in the Colorado potato beetle (Leptinotarsa decemlineata), a recently evolved agricultural pest. The position is embedded in the DFG funded GenEvo < https://www.genevo-rtg.de/ > research training group environment and supervised by Prof. Shuqing Xu < https://plant-x.uni-mainz.de/ >.

Project

Most of pests have evolved high fecundity. However, the underlying molecular and genetic mechanisms remain largely unclear. Here, using Colorado potato beetle as a model system, we aim to:

Identify genetic mechanisms controlling ovariole number and fecundity-related traits using established mapping populations. Characterize genetic regulations underlying the development of terminal filament cells using single-cell transcriptomics. Test whether horizontally transferred genes (HGT) in this species also shape the evolution of fecundity. Use evolutionary and population genomics to identify signatures of selection on fecundity in natural populations. The goal is to understand cellular and regulatory mechanisms underlying the evolution of fecundity in a real-world pest.

Requirements Masters degree (by start date) in Biology, Evolutionary Biology, Genetics/Genomics, Bioinformatics or related field Strong interest in evolution, genomics, and cell biology Basic experience in R or another programming language; prior experience with NGS data, single-cell, or cell biology is a plus Good English communication skills; curiosity, independence, and enjoyment of teamwork More details about the GenEvo training program and its benefits can be found here: https://-www.genevo-rtg.de/training How to apply

Please send one PDF including:

Short motivation letter (max. 1 page) CV and tran-

scripts/degree certificates Contact details of 2 referees to shuqing.xu@uni-mainz.de with subject line PhD application CPB fecundity YourName.

Applications will be evaluated on a rolling basis until the position is filled.

Prof. Dr. Shuqing Xu Institute of Organismic and Molecular Evolution (IomE) Johannes Gutenberg University Mainz Biozentrum I Hanns-Dieter-Hüsch-Weg 15 D-55128 Mainz Germany Phone: +49 6131 39 26907 E-mail: shuqing.xu@uni-mainz.de

Shuqing Xu <shuqing.xu@uni-mainz.de>

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UMelbourne EvolColourDefences

Graduate position:

University of Melbourne. Evolution of colour defences.

We are looking for an enthusiastic PhD student interested in the ecology and evolution of warning signals, and with a passion for insects and invertebrates. The project will involve exploring potential links between dispersal, invasiveness, and anti-predator colour strategies. Background in ecology and evolution is expected. The project will involve analysing large datasets, so programming experience in R (and interest in programming) is desirable. There will be opportunity for some fieldwork as well.

Location: University of Melbourne (Australia), ranked one of the best cities to live in the world. There is also opportunity to travel to Swansea University (UK) to visit co-supervisor A/Prof Will Allen, and other locations depending on fieldwork.

Qualifications: MSc (Preferred) or Honours in biology with experience in evolutionary biology, animal ecology or behavioural ecology.

Funding: Selected applicants will be asked to apply to the University of Melbourne International Scholarship. CV must be competitive.

Start date: Between July and September 2026, but flexible. Details here: https://study.unimelb.edu.au/find/courses/graduate/doctor-of-philosophy-science/how-to-apply/#nav If interested, please send an e-mail to iliana.medina@unimelb.edu.au with a CV, academic transcripts, and your research interests (max 2 pages). Link to our website for more information on our group: https://www.ecomedina.com Iliana Medina (she/her)

School of BioSciences

University of Melbourne

Please note I sometimes send emails outside of normal work hours, but responses are never expected outside normal working hours.

Iliana Medina Guzman <iliana.medina@unimelb.edu.au>

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UMunich EvolBiolStatisticalGenetics

We are looking for a PhD candidate in biology theoretical and statistical modeling (m/f/x)

In the Statistical Genetics group at LMU Munich (Germany) we develop and analyze probabilistic models for evolutionary processes and ecological interactions. Based on such explicit models we develop computational methods for statistical data analyses in population genetics and evolutionary genomics. Here we offer a PhD position supervised by Prof. Dirk Metzler (https://evol.bio.lmu.de/_statgen/) in a joint project with Dr. Luisa Pallares (MPI TÃÂ¼bingen) on the evolution of transcriptional variability and its role in adaptation and evolutionary innovation. (https://g-evol.uni-muenster.de/newprojects/-projectpagenew/#AnkerNoise) The project is part of the DFG priority program "Genomic Basis of Evolutionary Innovations", in which we collaborate with many researchers at LMU and other German and international universities and research institutions (https://g-evol.uni-muenster.de/).

Your tasks and responsibilities:

-> Contribute to the modeling of the propagation of stochastic variation in evolving gene network models. -> Develop software to simulate data according to the models. -> Contribute to the improvement of computational-statistical methods to fit the models to data, combining generalized linear mixed-effects models with novel phylogenetic models and Markov-chain Monte-Carlo methods. -> Fit the models to data of our collaboration partners and other available data set. -> Contribute to scientific publications and present research results in meetings

and on conferences.

Your qualifications:

-> You have completed or will soon complete a Master's degree in a field related to biology, bioinformatics, statistics or mathematics. -> Of advantage is knowledge and experience in: o mathematical modeling in evolutionary genomics and transcriptomics o stochastic modeling of network interactions o applying and extending statistical methods like GLMs and mixed-effect models o phylogenetic methods o programming, e.g. in R, python or C/C++ o theoretical evolutionary biology and population genetics o working on Linux servers and with software like LaTeX and git -> You have good communication skills in English. -> You are highly motivated to work in a team and independently according to best scientific standards within an international and collaborative research environment, and enthusiastic about learning new methods and developing independent research expertise.

Benefits:

-> Being part of a large network of researchers in genome evolution -> Working at the LMU Munich, one of Germany's and Europe's top universities -> A supportive mentorship environment -> Employment according to the German public service pay agreement, including health insurance, 30 days of vacation per year, pension contributions, and other social security benefits. -> In addition, you can benefit from the various LMU corporate benefits -> Remuneration depending on qualifications and experience according to TV-L E13

People with disabilities who are equally as qualified as other applicants will receive preferential treatment. Contact:

Please send your application letter including a letter of motivation, CV and scans of degrees/certificates, transcripts of your university education, and links to thesis, publications and other research output (e.g. git repositories) all in one pdf, by 15th of December via e-mail to Prof. Dr. Dirk Metzler

Where knowledge is everything.

LMU researchers work at the highest level on the great questions affecting people, society, culture, the environment and technology supported by experts in administration, IT and tech. Become part of LMU Munich!

In the course of your application for an open position at Ludwig-Maximilians-Universität (LMU) MÃÂ¼nchen, you will be required to submit personal information. Please be sure to refer to our LMU Privacy Policy. By submitting your application, you confirm that you have read and understood our data protection guidelines and privacy policy and that you agree to your data being processed in accordance with the selection process.

see also: https://job-portal.lmu.de/jobposting/-6a8b9208b560e8b1abe95e8a6fa3e4a1bebb35840 Dirk Metzler <metzler@bio.lmu.de>

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UOsnabrueck ExpCoevolMicrobCons

The Department of Ecology at the School of Biology/ Chemistry is seeking to appoint a

Research Assistant (m/f/d) (salary grade E 13 TV-L, 65 %)

to commence at the earliest possible date. The duration of the position is limited to three years.

Your duties: - Participate in the DFG-funded research project: "Synergistic coevolution in mono-specific and multi-species microbial consortia" - Perform long-term coevolution experiments to study the evolution of metabolic cooperation - Generate and characterize bacterial mutants - Perform coculture experiments with different bacterial strains to determine bacterial fitness - Analyse the formation of clusters among bacteria using fluorescence microscopy - Investigate bacteria on a single-cell level using microfluidics and flow-cytometry - Quantify the amino acids production of bacteria via mass spectrometry - Statistical analysis of the resulting data - The successful candidate will have the opportunity to work towards a PhD

Required qualifications: - University degree (M.Sc. or comparable) in biology or a related field - Practical experience with microbiological working techniques - Excellent command in written and spoken English

Desirable qualifications: - An excellent university degree - Solid knowledge of molecular biological methods - Experience in executing large-scale evolution experiments - Sound knowledge of ecological and evolutionary theories and concepts - Practical experience in the use of mass spectrometry - Experience in high-resolution fluorescence microscopy - Very good knowledge in the application of statistical analysis procedures - Basic knowledge in the use of programming languages (e.g., Python or R) - Strong motivation and curiosity - Ability to work in an interdisciplinary team - Structured and

independent way of working

We offer: - An exciting and highly topical research project - Supportive working atmosphere - International research team - Participation in the excellent graduate education programs at Osnabrück University (ZePrOS) - Access to state-of-the-art research infrastructure at the School of Biology/ Chemistry (CellNanOs) - Live and work in the vibrant and livable city of Osnabrück

Osnabrück University is a family-friendly university and is committed to helping working/studying parents balance their family and working lives.

Osnabrück University seeks to guarantee equality of opportunity for women and men and strives to correct any gender imbalance in its schools and departments.

If two candidates are equally qualified, preference will be given to the candidate with disability status.

Please submit your application (including a letter of motivation, CV, copies of certificates, as well as names and contact details of 3 referees) the latest by January 11, 2026 as one PDF file via email to the Dean of the School of Biology/Chemistry (Email: bewerb-bio@uni-osnabrueck.de). Please state the reference number "SKE" in the subject of your mail.

Please contact Prof. Dr. Christian Kost (email: christian.kost@uni-osnabrueck.de) with any question regarding the position and check the website of the working group for further information (www.kostlab.com).

We are very much looking forward to receiving your application.

Christian Kost <christiankost@gmail.com>

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UppsalaU OriginPlastidsByEndosymbiosis

Fully funded 4-years PhD position at Uppsala University

Meringosphaera evoldir@evol.biology.mcmaster.ca

Project description: The position is placed in the Burki lab and aimed at characterizing a marine endosymbiosis in a group of microbial eukaryotes (protists) called Meringosphaera. These are very interesting single-celled eukaryotes that are globally distributed in the oceans and likely represent a multi-species complex that may include species with permanent photosynthetic organelles (plastids), others only stealing plastids from preys, and still others being non-photosynthetic. The overarching goal of this fully-funded four-year PhD project is to study the modifications that have occurred early during the plastid endosymbiosis in Meringosphaera at different biological levels, using advanced subcellular imaging techniques (such as Expansion Microscopy U-ExM, FIB-SEM, and HISH-SIMS), molecular methods (such as single-cell transcriptomics), and flow cytometry cell sorting. The position is based in the laboratory of Dr. Fabien Burki in the Department of Organismal Biology at Uppsala University, but includes a strong collaborative component with the laboratories of Dr. Omaya Dudin at Geneva University (Switzerland) and Dr. Filip Husnik at OIST (Okinawa, Japan).4-years PhD position at Uppsala University

Duties: The project involves both lab work and bioinformatics, and the student is expected to be involved in both aspects. Lab work includes: field trips and sampling, cell isolation, imaging with advanced microscopy methods, attempts for cultivation of interesting cells in enrichment cultures, flow cytometry, and single-cell sequencing. Bioinformatics includes analysis of diversity datasets, phylogenetics, analysis of transcriptomic datasets, comparative and functional genomics. Disseminate results in appropriate formats, including leading peer-reviewed publications and conferences. Training will be provided when necessary.

Requirements: Completed university education of 240 university points out of which 60 hp on advanced level corresponding to master degree in relevant field to the project. The selected candidate must possess expertise and knowledge in microbial sampling as well as identifying and handling protist cells. Experience in culturing of microbial eukaryotes, and a background in eukaryotic diversity and photosymbiosis will be seen as highly valuable. A suite of methodologies will be used as described in the project description and are all desirable attributes of the candidate. In particular, previous experience with cell sorting, volume and Expansion microscopy, as well as in general principles of fluorescence microscopy, will be looked for in candidates. Proven expertise in bioinformatics (e.g. phylogeny, genomics) and use of a scripting language (Python, R) are essential. Great emphasis is placed on personal qualities such as planning and organizational skills, problem solving and good collaborations and communication skills with other researchers. Above all, we are looking for highly-motivated candidates who are passionate about academic research. The applicant must have documented experience and proficiency in oral and written presentation in English.

Position: The PhD-student position is a 4-year appoint-

ment, and the candidate will primarily devote the time to his/her own research studies. Other departmental work, such as teaching or administration are typically part of the position (maximum 20 %). Salary placement is in accordance with local guidelines at Uppsala University. The applicant must be eligible for PhD studies at Uppsala University.

Application: Scope of employment 100 %. Starting date 2026-02-01 or as agreed. Placement: Uppsala

The application should include

1) a letter of intent describing: Yourself Your research interests Why you are interested in the position Which of your experiences and skills you consider most relevant for this role Which of your personal qualities (behaviors, abilities) you would like to highlight as suitable

(note that the use of AI for writing this motivation letter is discouraged and will be regarded unfavourably)

2) a CV

3) a copy of your master degree and course grades

4) the names and contact information (address, email address, and phone number) of at least two reference persons

5) relevant publications (including master thesis).

The application should be written in English.

For further information about the position, please contact: Dr. Fabien Burki; fabien.burki@ebc.uu.se.

How to apply and more information: https://-uu.varbi.com/en/what:job/jobID:875189/ Send you application no later than December-10 2025

Nï¿½r du har kontakt med oss pï¿½ Uppsala universitet med e-post sï¿½ innebï¿½r det att vi behandlar dina personuppgifter. Fï¿½r

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UPuertoRico EvolDevelopmentalGenomics

PhD Position in Evolutionary & Developmental Genomics University of Puerto Rico - Rio Piedras

We invite applications for a PhD position within the newly funded NSF E-RISE II initiative, an ambitious island-wide effort transforming Puerto Rico into a hub for innovation in life sciences, biotechnology, and computational biology. This multi-institutional project integrates comparative omics, single-cell biology, evolutionary genomics, computational science, and AI to unravel the molecular rules that link genomes to phenotypes across development and deep evolutionary time. At this website you can find more information on the project:

https://www.lifeblueprint-upr.com/ https://-www.nsf.gov/awardsearch/show-award/?AWD_ID=-2435987&HistoricalAwards=false Project Focus

The PhD student will join a collaborative team investigating the molecular architecture of development using a comparative framework of butterflies diverged over ~90 million years. We aim to determine:

How genomic, transcriptomic, proteomic, and metabolomic information is integrated at single-cell resolution How cells acquire identity, function, and fate across tissues, life stages, and evolutionary distances Which developmental mechanisms are conserved and which are innovation-driven How computation and AI can decode complex biological patterns and build predictive models of development

What We Offer

A PhD position within a vibrant, interdisciplinary, international research environment An incredibly vibrant and enjoyable tropical lifestyle Access to cutting-edge technologies: single-cell omics, long-read genome assembly, comparative genomics, high-performance computing, and AI-based data integration Opportunities to collaborate across seven partner institutions and the emerging PR-LIFE-DECODE Science & Technology Center Training at the interface of evo-devo, multi-omics, bioinformatics, and quantitative biology A supportive, inclusive research community committed to workforce development and scientific innovation

Ideal Candidates

We welcome applicants from diverse scientific backgrounds, including:

Evolutionary biology, developmental biology, genetics Bioinformatics, computational biology, data science, or AI/ML Genomics, transcriptomics, single-cell biology, or quantitative approaches

A passion for integrative, big-data, comparative science is essential.

How to Apply

Please send a CV, brief statement of research interests,

and contact information for 2-3 references to:

Riccardo Papa,

rpapa.lab@gmail.com, riccardo.papa@upr.edu

Florence Piel,

florence.piel@upr.edu

Applications will be reviewed on a rolling basis until the position is filled.

Riccardo Papa Full Professor, Department of Biology Director of High Throughput Sequencing Facility University of Puerto Rico - Río Piedras Julio García Díaz (JGD) 213 Rio Piedras, San Juan PR 00931

tell: 787-764-0000 ext 4827(office) or 7764(lab) fax: 787-764-3875 Lab website: www.riccardopapalab.com Riccardo Papa <rpapa.lab@gmail.com>

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URegensburg EvolutionBugsParasites

We are currently looking for a PhD student to join us on the BuggedBugs project

This 3-year PhD studentship is part of the Biodiversity Exploratories (https://www.biodiversity-exploratories.de), a large-scale long-term project to study how land use affects biodiversity and ecosystem-currently looking for a PhD student to join us on the BuggedBugs functioning. With the project "BuggedBugs", led by Prof. Lena Wilfert and Dr Ruth Archer, we will ask how climate change and land-use interact to affect host community composition, abundance and health, and how this in turn is reflected in the biodiversity and composition of their parasite community. To do this, we will use the unique long-term Biodiversity Exploratories (data alongside samples of true bugs (Heteroptera) and their parasites collected since 2008. Collectively, this will expand our understanding of an important but hidden axis of biodiversity (parasites) and what they tell us about ecosystem health.

The PhD student will use powerful molecular approaches to characterize the parasite communities of some preserved true-bug samples, but also go out into the field to collect recent samples. The candidate will help ID and phenotype the true bugs, so that we can relate land-use and climate to both these important insects, as well as the parasites they host. Accordingly, skills in the following would be advantageous: molecular biology, taxonomy, morphometrics and confidence with the statistical program R and willingness to learn ecological modelling approaches. This project is part of a multi-team and long-term program across Germany, using interdisciplinary approaches to study how land-use affects biodiversity and ecosystem processes. It offers excellent opportunities for training, collaboration and networking with leading institutes in ecology. The PhD student will be part of Prof. Wilfert's group at the University of Regensburg, embedded in the new focal research group on biotic interactions in the Anthropocene (https://go.ur.de/biotic-interactions); the student will also be part of the local grad school (https://www.rigel-regensburg.de).

The position will start on the 1st of March 2026; it is for three years and the salary is TV-L E13 65%.

For more information and to apply please contact lena.wilfert@ur.de To apply, please send your CV and a cover letter by the 14th of December.

currently looking for a PhD student to join us on the BuggedBugs

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

wil50772 <lena.wilfert@ur.de>

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

USheffield EvolutionaryGenomics

We are advertising two PhD projects for highly motivated and enthusiastic students to study the evolution, development and genomics of sexual traits in stalk-eyed flies:

Project: Genomics and development of an exaggerated sexual trait in stalk-eyed flies < https://-www.findaphd.com/phds/project/bbsrc-yorkshire-bioscience-dla-programme-genomics-and-development-of-an-exaggerated-sexual-trait-in-stalk-eyed-flies/-?p189983 >

*Project: **The impact of climate change on sexually selected traits and its consequences for evolutionary fitness < https://www.findaphd.com/phds/project/-acce-dla-programme-the-impact-of-climate-change-on-sexually-selected-traits-and-its-consequences-for-

evolutionary-fitness/?p189806 >*

Deadline for applying: Wednesday, January 7, 2026

Lead supervisor: Dr Alison Wright, University of Sheffield (a.e.wright@sheffield.ac.uk)

Project 1: Genomics and development of an exaggerated sexual trait in stalk-eyed flies

While most body parts grow in proportion to overall body size, many traits develop to become disproportionately elaborate or extended. These exaggerated appendages are costly to produce and are often present only in males. Why these traits arise, and how extreme growth is facilitated and uncoupled between males and females has fascinated biologists for centuries. This project will interrogate the genomic and developmental basis of an exaggerated sexual trait in stalk-eyed flies. Stalk-eyed flies are a classic model of sexual selection as they exhibit highly-exaggerated eye-stalks, with males often having an eye span greater than their body length. We will capitalise on recent advances in single-cell sequencing, bioimaging techniques and gene editing to provide transformative insights into longstanding questions about how exaggerated traits develop and evolve.

Co-supervisors: Dr Matt Towers (U. Sheffield), Dr Domino Joyce (U. Hull), Prof Andrew Pomiankowski (UCL) & Prof Kanchon Dasmahapatra (U. York)

For details on how to apply, including eligibility, see:

https://www.yorkshirebiosciencedtp.ac.uk https://www.findaphd.com/phds/project/bbsrc-yorkshire-bioscience-dla-programme-genomics-and-development-of-an-exaggerated-sexual-trait-in-stalk-eyed-flies/-?p189983 *The Team*

The PhD student will be joining a productive and collaborative research group in the School of Biosciences at the University of Sheffield. There will be many opportunities to collaborate with ongoing work in the lab. For more details see www.alisonewright.co.uk. The applicant will also benefit from the diverse range of expertise offered by the co-supervisors. Applicants are strongly encouraged to contact Dr Alison Wright, the lead supervisor, for more details on the group, project and facilities (a.e.wright@sheffield.ac.uk).

Project 2: The impact of climate change on sexually selected traits and its consequences for evolutionary fitness

Sexual selection plays a key role in shaping traits that influence reproductive success, such as elaborate ornaments and courtship behaviors. These traits are costly to produce and maintain, making them highly sensitive to environmental stress. However, the impact of climate change stressors on sexually selected traits remains poorly understood. Disruption of sexual signaling can alter mate choice, reproductive success, and diminish population resilience, ultimately affecting species' ability to reproduce, adapt and persist in a warming world. We propose an interdisciplinary project that integrates experimental, ecological, theoretical and genomic approaches using stalk-eyed flies. The specific questions and approaches taken during the project can be tailored to the particular interests of the student. The student will be supervised by a diverse team with expertise in all aspects of the work, including single-cell genomics, sexual selection and reproduction, gene editing, experimental approaches, and stalk-eyed fly biology.

Co-supervisors: Dr Vicky Lloyd (U. Sheffield), Dr Nic Hemmings (U. Sheffield), Dr Stu Wigby (U. Liverpool), Prof Andrew Pomiankowski (UCL) & Prof Kanchon Dasmahapatra (U. York)

For details on how to apply, including eligibility, see:

https://accedtp.ac.uk

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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

USouthCarolina Adaptation

I am currently recruiting graduate students to join my new research group in the Department of Biological Sciences at the University of South Carolina. My research program broadly focuses on factors that facilitate or impede adaptation, with an emphasis on adaptation within host-parasite interactions and how ecological change impacts microorganisms. We explore these questions using a combination of experimental evolution with nematodes, bacteria, and bacteriophages, as well as observational field ecology. For more information, please visit: (https://jordanlewisphd.com/).

Graduate students will have flexibility within these systems and themes. Interested applicants should apply through the Biology PhD program at the University of South Carolina. The preferred application deadline is December 1, with the final deadline on January 1. The expected start date is Fall 2026.

For more information about the graduate program, please visit: https://sc.edu/study/colleges_schools/-

artsandsciences/biological_sciences/study/graduate/-index.php . Prior to applying, interested students should email Dr. Lewis (jalewis@mailbox.sc.edu) to describe their academic background, past research experiences, current research interests, and motivation for joining the lab. Please include your C.V. and contact information for 2-3 references.

Jordan Lewis, PhD Assistant Research Professor Department of Biological Sciences University of South Carolina Columbia, South Carolina

"Lewis, Jordan" <JALEWIS@mailbox.sc.edu>

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UStAndrews StatisticalPhylogenetics

Tracing the fitness effects of new mutations across evolutionary timescales

SUPERVISORS

Dr Rui Borges, Dr. Carolin Kosiol

ABOUT THE PROJECT

Mutations are the raw material of evolution: they generate the variation on which natural selection acts. Understanding their fate is therefore key to a fundamental question in evolutionary biology: how do species adapt to ever-changing environments? Mutations can be deleterious, advantageous, or neutral, depending on whether they decrease, increase, or have no effect on fitness (Moutinho 2020). While most genetic variation is thought to result from nearly neutral mutations (Kimura 1968; Ohta 1973), debate continues about the relative importance of selection and drift in shaping genome diversity (Kern 2018; Jensen 2018).

A powerful way to address this question is through the distribution of fitness effects (DFE), which quantifies the probabilities of different fitness outcomes for new mutations (Eyre-Walker 2007). Despite abundant genomic data, estimating the DFE remains challenging: confounding demographic factors can mimic selection (Galtier 2009), strongly beneficial and deleterious mutations are rarely observed (Keightley 2010), and evolutionary processes vary across timescales (Tataru 2017).

This project will develop new theory and statistical methods to estimate the DFE and overcome these challenges. We will build a model of fitness effects that integrates population and phylogenetic timescales of evolution based on Borges (2019, 2025) and Kotari (2024) and infer the DFE using extreme value theory and Bayesian inference. These models will be implemented in the RevBayes software (Höhna 2014; 2016) and applied to microbial genomic datasets, including bacterial and viral systems of epidemiological and medical importance. Comparing DFE estimates across taxa will allow us to explore key evolutionary questions: How conserved is the DFE among microbes? Do species or clades exhibit distinctive DFE patterns? How much variation reflects shared evolutionary history versus independent adaptation?

This research will contribute to a deeper understanding of how selection, drift, and mutation jointly shape genome evolution (Hoffmann 2011; Borges 2025).

THE UNIVERSITY, SUPERVISORS AND COLLABORATORS

The PhD student will join an interdisciplinary environment at the University of St Andrews, benefiting from the GRADskills programme, which supports postgraduate researchers in developing transferable and research skills for careers within and beyond academia. The student will be co-supervised by Dr. Rui Borges at the School of Mathematics and Statistics and Dr. Carolin Kosiol at the School of Biology, gaining comprehensive training in mathematical and computational biology, inferential statistics, and genomic data analysis. Ongoing collaborations with Dr Sebastian Höhna (LMU Munich; phylogenetic inference and RevBayes) and Dr Joseph Hughes (University of Glasgow; microbial genomics and host-pathogen evolution) will provide complementary expertise.

HOW TO APPLY

Application instructions can be found on the EASTBIO website: https://biology.ed.ac.uk/eastbio/how-to-apply 1. Download and complete the Equality, Diversity and Inclusion survey.

2. Download and complete the EASTBIO Application Form.

3. Please complete an application on our online portal: https://www.st-andrews.ac.uk/study/postgraduate-research/apply/ 4. Select the course 'PhD with internship'

5. Your online application must include the following documents:

- Completed EASTBIO application form

- Academic Qualifications

- English Language Qualification (if applicable)

- 2 References: this must be completed on the EASTBIO Reference Form, also found on the EASTBIO website.

Please download the EASTBIO reference form and send it to your referees. They can either upload it directly to the portal using the automated email they will receive, or they can email it to Robbie Mill at rgmm1@st-andrews.ac.uk.

CONTACT

Queries on the project can be directed to the project supervisor.

Queries on the application process can be directed to Robbie Mill at rgmm1@st-andrews.ac.uk.

UKRI eligibility guidance:

Terms and Conditions: https://www.ukri.org/-wp-content/uploads/2020/10/UKRI-291020-guidance-to-training-grant-terms-and-conditions.pdf
International/EU: https://www.ukri.org/-wp-content/uploads/2021/03/UKRI-170321-InternationalEligibilityImplementationGuidance.pdf
FUNDING NOTES

This 4-year PhD project is part of a competition funded by EASTBIO BBSRC Doctoral Training Partnership.

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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

UTennessee Knoxville EvolutionaryBiology

I am currently recruiting graduate students to join my lab as part of the Ph.D. program at UTK's Department of Ecology & Evolutionary Biology. My research is focused on the building, analysis, and fitting of multi-scale mathematical models relevant to evolutionary biology. Specific areas of interest include:

1. Phylogenetics (See Beaulieu et al 2021 MBE and Beaulieu et al 2019 MBE) 2. Protein translation (See Gilchrist 2007 MBE, Shah and Gilchrist 2011 PNAS, GIlchrist et al 2015 GBE, Cope and Gilchrist 2022 BMC Genomics) 3. Host-Parasite interactions and evolution (See Gilchrist and Sasaki 2002 TBP, Gilchrist and Coombs 2006 TPB, and Coombs et al 2007 TPB)

General approaches involve development of multiscale models using coupled differential or difference equations and data fitting using customized Bayesian and Likelihood based approaches. Students benefit from careful and attentive mentoring within a small lab situatied within a world class and dynamics EEB department. Additional collaboration opportunities also exist with faculty in the Dept. of Microbiology, Dept. Biochemistry and Molecular Biology within the Division of Biology, as well as other departments on the UT Ag Campus and labs at Oak Ridge National Laboratory.

EEB PhD Program Highlights

Program Highlights

* Our graduate students publish dozens of papers annually in journals such as Science, Ecology, Systematic Biology, Proceedings of the Royal Society B, American Naturalist, Biological Invasions, Journal of College Science Teaching, and are awarded external research funds (e.g., NSF GRFP and other fellowships). * PhD graduate placement, for all graduates from 2000-2018: 43 tenure- track faculty, 22 postdocs, 28 government, with the others in NGOs, private business, or non-tenure track jobs. For those at least five years after graduation, 57% tenure-track faculty, 3% postdoc, 17% government. * Resources to support student research: internal funds, DNA sequencing facility, core microscopy, computer clusters, greenhouses, and a field station. * Available training in teaching best practices, including a certificate in college teaching and training consistent with AAAS national recommendations. * Emphasis on creating a positive and welcoming departmental climate for all * Grad students receive health insurance, and tuition and campus fees are covered. * Outreach and service opportunities, including invasive species removal, taxonomic forays with the broader public, participation in Darwin Day Tennessee, and mentoring undergraduates and high school researchers.. * Students commonly develop their research projects in close partnership with NGOs and state and federal agencies to ensure their research has a real-world impact. * Nearby locations for research: Great Smoky Mountains N.P., a biodiversity hotspot; numerous cave systems; campus greenhouses; and experimental plots. * Vibrant community: 86 miles of greenways and trails in Knoxville, many festivals and parades, museums, and live music. * Active departmental graduate student organization (GREBE < https://-grebeemail.wixsite.com/grebesite >) to represent and help graduate students.

For more information about the EEB PhD program at UTK, please visit: https://eeb.utk.edu/graduate-students Prior to applying, interested students should email me at mikeg@utk.edu with the following: (1)

academic CV, (2) unofficial transcript(s), (3) contact information for 2-3 references, and (4) a brief statement describing your research interests, relevant research experience, and motivation for joining our Ph.D. program.

Application deadline for the Ph.D. program closes Dec 1.

Michael A. Gilchrist, Ph.D. (He/Him) Associate Professor Ecology & Evolutionary Biology University of Tennesse Knoxville

"Gilchrist, Michael" <mikeg@utk.edu>

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UWarsaw Poland HumanPopgen aDNA

PhD student position in Population genomics of an Iron Age Goth community from eastern Poland.

Laboratory of Paleogenetics and Conservation Genetics, University of Warsaw, Warsaw, Poland. PI: Martyna Molak, PhD 3 years stipend (up to 4 years, if needed) Labwork and bioinformatics (in negotiable, flexible proportions) Starting around March 2026 Application deadline: 11 December 2025

Details: https://www.uw.edu.pl/wp-content/uploads/-2025/11/cent-47-2025-doktorant_DOP.pdf Project title: All roads lead toÂ MasÃÂomÃÂcz. The cosmopolitanism and uniqueness of the Goth community of the late Roman Period Hrubieszow Basin in the light of fine-scale multidisciplinary analysis.

Project description: The main aim of the project is to supplement archaeological knowledge about the MasÃÂomÃÂcz Group (an archaeological culture representing the Gothic peoples) with genomic data obtained from the anthropological material associated with the group. As a result of the proposed project we expect to provide: 1) the position the MasÃÂomÃÂcz group on the genetic map of Eurasia by determining their affinities to other earlier and contemporary groups, 2) give insight into the pattern of locating graves of different family members within and between burial grounds, 3) investigate the kin relatedness between persons and/or dismembered skeletal fragments buried together, 4) test the localness of the individualsÃÂ¼ provenance, particularly the ones exhibiting burial practices atypical for Goths or grave goods typical of other cultures and infer where they migrated from, or whether in fact they were local people who had adopted some external customs, 5) determine connectivity level between particular subgroups utilizing different cemeteries as well as isolated graves; to name just a few. With the very high planned sampling density, we also predict to be able to reconstruct family trees, of at least a part of the community members.

Key responsibilities include (in flexible proportions, depending on experience and preferences): - Extracting DNA from ancient anthropological material. - Preparing DNA sequencing libraries for sequencing on an Illumina platform. - Analysis of sequencing data, including population genomic analyses. - Active contribution to preparing data for scientific publications.

Profile of candidates/requirements: The competition is open for persons who meet the conditions specified in the regulations on the allocation of resources for the implementation of tasks financed by the National Science Centre for OPUS 28 grant. - MSc degree in biology, archaeology or related discipline. The MSc degree should be obtained before the date of employment in the project. Other requirements: - Basic knowledge of molecular and population genetics, and/or bioarchaeology. - Ability to work in a group, curiosity, and motivation to learn. - Willingness to work in an interdisciplinary and international team. - Fluency in written and spoken English. Additionally appreciated: - Experience in work with ancient DNA. - Experience in high-throughput sequencing on Illumina platforms (i.e. DNA library preparations). - Knowledge of Linux operating system, - Familiarity with R or python programming language. - Familiarity with bioinformatic analyses of raw high-throughput DNA sequencing data and genomic analyses are highly valued.

Required documents: see: https://www.uw.edu.pl/-wp-content/uploads/2025/11/cent-47-2025-doktorant_DOP.pdf We offer: - work in a friendly and motivating working environment - participation in an exciting research project using the state-of-the- art research techniques - participation in scientific courses and conferences funded by the project - access to fully equipped ancient and modern DNA laboratories

Please submit the following documents to: m.molak@cent.uw.edu.pl Application deadline: 11.12.2025 Selected candidates will be invited for an interview in person at the Centre for New Technologies, University of Warsaw, or online. The interviews will be held between 15 and 17.12.2025. Candidate selection will be carried out in accordance with the regulations of the National Science Centre.

Date of announcing the results: 21.12.2025

Martyna Molak <martyna.molak@gmail.com>

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UZurich PlantInsectCoadaptation

PhD position in plant-insect coadaptation

A PhD position in plant-insect coadaptation is available by 1st of January 2026 in my group at the Department of Systematic and Evolutionary Botany, University of Zï¿½rich, for a period of four years. The position is to study patterns and mechanisms of coevolution between a plant, wild radish (Raphanus raphanistrum) and its pollinating-herbivore, Pieris rapae. In this project, field work and greenhouse experiments will be combined with lab-based analyses to study the fitness impacts of Raphanus and Pieris on each other, and investigate patterns of trait matching between plant and insect in natural populations in Switzerland.

I am looking for a highly motivated PhD candidate to join my team working on evolutionary question in the context of plant-insect interactions. I offer a vibrant, collaborative work environment and high-quality supervision. Several of my past PhD students have published as first authors in the highest-ranking journals such as Science, Nature Communications, New Phytologist, Functional Ecology, etc.; many have consecutively attained PostDoc positions at renowned academic institutions. You should have a Master (or comparable) degree in any field of biology and a thorough interest in evolutionary biology; proficiency in English, both orally and written, is also required. Prior experience in working with plants and/or insects, genomics analyses, and scientific publishing as well as knowledge of German is an advantage. You should like to work in the field and have some basic knowledge of plant and insect taxonomy.

Our department is located in the university botanical gardens and houses modern molecular and ecological labs, including greenhouses and climate chambers for plant cultivation. The University of Zï¿½rich has a broad research coverage of organismal and molecular biology, and several research groups work on evolutionary topics (www.lifescience-zurich.ch).

If you are interested in the job, please send me by e-mail (florian.schiestl@systbot.uzh.ch) a letter describing your motivation, CV, copy of degrees, publications (manuscripts), and e-mail addresses of two academic referees, by 1st of December 2025 (the job will remain open until filled). Please send all documents in a single file. If you have any further questions, don‘t hesitate to contact me.

“Florian P. Schiestl” <florian.schiestl@systbot.uzh.ch>

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VirginiaTech GiantVirusEvolution

Funded PhD Position in the Aylward Lab at Virginia Tech.

Blacksburg, VA, USA.

The Aylward lab at Virginia Tech has an opening for a PhD student interested in studying the ecology, evolution, and genomics of giant viruses that infect unicellular eukaryotes. The lab uses comparative genomic, metagenomic, and experimental approaches to address questions regarding viral diversity and virus-host interactions. Current systems examined in the lab include a variety of viruses that infect green algae and amoeba. Students will be able to work on existing research projects and develop their own. More information on the lab can be found at aylwardlab.biol.vt.edu

Required Qualifications:

Bachelor’s degree in field related to biology. for microbial and viral evolution and genomics

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

“Aylward, Frank” <faylward@vt.edu>

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VrijeU Amsterdam ConservationGenomics

Below an interesting PhD position in Amsterdam:

https://werkenbij.vu.nl/vacatures/phd-in-conservation-genomics-of-asian-elephants-amsterdam-

1231380 Passionate about using your genomics and bioinformatics skills for real conservation impact? This PhD opportunity could be the perfect fit!

Your function

The section Ecology & Evolution, part of the Amsterdam Institute for Life and Environment (A-LIFE) at the Vrije Universiteit Amsterdam invites applications for an exciting PhD position that will combine innovative bioinformatics and genomic tools to study genomic compatibility of endangered Asian elephant populations. Are you interested? Keep reading and apply at Vrije Universiteit Amsterdam!

We are in the UN's decade of ecosystem restoration, which requires a better understanding about the recovery potential of threatened species. As part of the NWO-VIDI ExPANsion project you will employ a pangenomics approach for the conservation and restoration of an endangered species, the iconic Asian elephant. You will work on developing novel genomic parameters focused on assessing the risks and benefits of population hybridization for the genetic rescue, conservation, and recovery of threatened species.

The successful PhD candidate will be embedded in an experienced team of collaborators, including Dr. Mirte Bosse, an expert in the emerging field of conservation genomics, Jeroen Kappelhof, who is the EAZA (European Association of Zoos and Aquaria) studbook keeper of the zoo population of Asian elephants, Dr. Reeta Sharma, who has extensive field experience and species knowledge, and Dr. Martijn Derks and Dr. Sandra Smit, supporting the bioinformatics. The PhD candidate will be embedded in the Ecology & Evolution section at the Vrije Universiteit Amsterdam in close collaboration with Rotterdam Zoo and Wageningen University. The candidate will have the opportunity to frequently work from Rotterdam Zoo.

Your duties

develop a high-quality reference genome for each Asian elephant population using nanopore technologies explore structural genomic differences between populations by combining de novo assemblies into a pan-genome graph perform population genomics analyses on re-sequenced animals, supported with long and short reads, to better understand genetic load from SNPs and Structural Variants developing a framework for decision-making on planned connectivity based on genomic information authoring and co-authoring manuscripts submitted to high quality journals provide support to teaching of the section (10% of your time) frequently present your work at internal and external (national or international) meetings, and to non-academic stakeholders in range countries

Your profile

MSc in one of the following fields: Biology, Genetics, Animal Breeding, Conservation sciences and/or Bioinformatics, or a related field good command-line skills and programming experience (in Python or bash) experience with next- and third generation sequencing technology such as Illumina, PacBio or Oxford Nanopore, especially with downstream analysis of sequence data ideally, experience with pan genomics of vertebrates experience with the Asian elephant model system is an advantage, but not necessary a good ability to speak, write and read English affinity with outreach activities and working in an international multidisciplinary team

As a university, we strive for equal opportunities for all, recognising that diversity takes many forms. We believe that diversity in all its complexity is invaluable for the quality of our teaching, research and service. We are always looking for talent with diverse backgrounds and experiences. This also means that we are committed to creating an inclusive community so that we can use diversity as an asset.

We realise that each individual brings a unique set of skills, expertise and mindset. Therefore we are happy to invite anyone who recognises themselves in the profile to apply, even if you do not meet all the requirements.

What do we offer?

A challenging position in a socially engaged organisation. At VUAmsterdam, you contribute to education, research and service for a better world. And that is valuable. So in return for your efforts, we offer you:

a salary of euro 3.059,00 (PhD) and maximum euro 3.881,00 (PhD) gross per month in the fourth year, for a full-time employment an employment contract of initially 1 year. If there is sufficient perspective, this will be extended to a total of 4 years. Your dissertation at the end of the fourth year forms the end of your employment contract.

We also offer you attractive fringe benefits and arrangements. Some examples:

A full-time 38-hour working week comes with a holiday leave entitlement of 232 hours per year. If you choose to work 40 hours, you have 96 extra holiday leave hours on an annual basis. For part-timers, this is

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WesternWashingtonU EvolBiol

Over half of Western Washington University's Biology graduate program faculty advisors are ready to accept and advise new master's level students into their research groups for Fall 2026!

February 1, 2026 is the application priority date for admission to the Biology graduate program that features a variety of research areas such as cell and molecular biology, ecology, evolution, marine biology, organismal biology, and animal behavior.

We maintain a small enough cohort to allow students an opportunity to build community connections among the faculty, researchers, and other students. We also support many students with teaching assistantships that include a tuition waiver and stipend.

For more information and information on how to apply, follow this link: https://biology.wwu.edu/biology-graduate-program . BiologyGradProgram@wwu.edu

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WilliamMaryU EvolutionaryBiology

M.S. Graduate Positions in Biology at William and Mary

The Puzey Lab in the Biology Department at William & Mary is recruiting motivated students for our two-year M.S. program beginning Fall 2026. Our research focuses on plant evolutionary biology, spanning ecology, genomics, organismal biology, and interactions among plants, insects, and microbes.

Highlights - Fully funded: tuition remission plus stipend as a Graduate Teaching Assistant - Join an active research environment investigating plant evolution, ecology & genomics

Lab-specific research themes - The role of plant-microbe interactions in shaping plant evolution and population dynamics - Polyploidy and genome evolution - Male gamete biology: pollen competition, pollen tube growth rate, mating system evolution (with Mimulus as a model)

Eligibility Applicants should hold a bachelor's degree in biology, ecology, evolutionary biology, genetics, or a related field by the program start. Prior research experience is encouraged.

How to Apply / Contact Prospective students are strongly encouraged to contact Josh Puzey, to discuss research interests and fit. For general questions about the M.S. program, please reach out to the Graduate Program Coordinator, Sarah Freeman (spfreeman01@wm.edu).

Program overview and application: https://www.wm.edu/as/biology/graduate/ —-

M.S. Graduate Positions in Biology - William & Mary

The Biology Department at William & Mary is recruiting highly motivated students for our two-year M.S. program starting Fall 2026. This is a research-focused degree with close faculty mentoring across diverse biological disciplines including ecology & evolution, molecular & cellular biology, organismal biology, neuroscience, and computational biology.

Program Highlights - Fully funded: tuition remission + stipend as a Graduate Teaching Assistant - Complete a research thesis in ~2 years - Strong faculty mentorship with individualized research training - Opportunities to mentor undergraduates and gain teaching experience - Excellent preparation for Ph.D. programs, medical school, or careers in biotech, environmental science, government agencies, and more

Eligibility Applicants should hold a bachelor's degree in Biology or a related field by the start of the program. Research experience is encouraged. The GRE is not considered in admission decisions.

Learn More Program overview: https://www.wm.edu/as/biology/graduate/ How to Apply / Contact We strongly encourage prospective students to contact potential faculty advisors (https://www.wm.edu/as/biology/people/faculty/) directly to discuss research interests and opportunities.

For general questions, contact Graduate Program Coordinator Sarah Freeman (Biology, W&M) – spfreeman01@wm.edu.

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

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ArizonaStateU ComputationalBiology

Arizona State University Assistant Teaching Professor - Computational Life Sciences

The School of Life Sciences (SOLS) invites applications for a full-time, benefits-eligible, non-tenure eligible Assistant Teaching Professor position with an anticipated start date of August 16, 2026. The position is 80% teaching and 20% service. Subsequent academic year renewals (Aug. 16 to May 15) are contingent upon satisfactory performance, availability of resources, and the needs of the unit. Supplementary summer teaching may be available. Successful applicants will contribute to SOLSï¿½ innovative online MS programs in Computational Life Sciences and in Biology.

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

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

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

and Sciences is the academic heart of Arizona State University, committed to improving communities on a local, national, and global scale. We support the professional development and growth of our faculty and staff in their cutting-edge research to advance these aims. Within The College, our faculty engage with a large, curious student body, guiding them as they grow into socially aware, critical thinkers and writers able to succeed in a wide range of careers and to address the challenges of the twenty-first century. Advancing the success of our students remains our top priority. To learn more about The College of Liberal Arts and Sciences, please visit https://thecollege.asu.edu . About Arizona State University ASU exemplifies a new prototype for the American public research university. As articulated in the ASU Charter, ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural, and overall health of the communities it serves.

Essential Functions - Provide instruction in online Master's-level and undergraduate courses in genomics, genetics, coding, biostatistics, and computational/quantitative biology - Supervise Applied Projects and Capstone coursework for the Computational Life Sciences MS program - Mentor and advise students at the undergraduate and graduate levels - Supervise graduate teaching assistants - Develop, update, and coordinate course materials in collaboration with faculty and staff - Contribute service to the school, college, and university, as appropriate to the position - Engage in research within computational life sciences, bioinformatics, biostatistics, biological computing, or genomics (preferred)

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

Desired Qualifications:

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BielefeldU ResAssoc EvolEcolBehaviour

Job announcement

Bielefeld University, Department of Evolutionary Biology

Research associate position in Evolutionary Ecology of Behaviour

Application deadline: 11.12.2025

The Faculty of Biology offers a full-time research associate position in Evolutionary Ecology of Behaviour The candidate will be part of an active and cooperative team of researchers in the Department of Evolutionary Biology. The main research focus of the work group is on studying general aspects of the evolutionary ecology of behaviour, using various methods to understand phenotypic plasticity, the evolution of sex differential traits, phenotypic variance and maintenance of between-individual differences. The Department of Evolutionary Ecology is involved in a larger DFG-funded third-party project (CRC/TRR 212): "A Novel Synthesis of Individualisation across Behaviour, Ecology and Evolution: Niche Choice, Niche Conformance, Niche Construction (NC3)"

The position can start on May 1, 2026 and is funded until the end of October 2028.

Main responsibilities: Research tasks (70 %): designing and performing experiments, meta-analyses or theoretical modeling, analysing the data received, writing scientific publications for international journals In case of experimental studies planned by the applicants, it is indicated that the present infrastructure only suits smaller invertebrates.

Teaching tasks (25 %): involvement in teaching activities within the work group in courses already existing within the scope of 4 hours per week Other tasks (5 %): contributing to organising the group meetings, help keeping the departmental homepage updated Your Profile: We expect: completed scientific university degree (e. g. Bachelor, Master or equivalent) in a relevant discipline, e.g. biology, statistics, alternatively even mathematics, information technology or any similar subject completed PhD in a relevant field experience in evolutionary or rather behavioural ecology, experience with experimental tests of evolutionary theory, statistical meta-analyses

or mathematical modelling of evolutionary processes, interest in general biological questions related to theoretical evolutionary ecology excellent oral and written English language skills independent, self-reliant and dedicated style of work strong organizational and coordination skills, ability to cooperate and work in a team Preferable qualifications: main focus of PhD in theoretical ecology, population genetics, behavioural ecology or evolutionary ecology successful publication of papers in peer-reviewed international journals experience in collaborations between empiricists and theoreticians some overlap of research interests with other members of the department

We offer: salary according to remuneration level 13 TV-L, fixed-term (until 31 October 2028) internal and external training opportunities, variety of health, consulting and prevention services reconcilability of family and work, flexible working hours, 30 days holiday, good transport connection, supplementary company pension, collegial working environment, open and pleasant working atmosphere, exciting, varied tasks

Application Procedure: We are looking forward to receiving your application that should at least contain a motivation letter and a CV that includes a publication list. To apply, please preferably use the application button in our online form:

https://jobs.uni-bielefeld.de/job/view/4618/research-position-m-f-d-in-evolutionary-ecology-of-behaviour-postdoc?page_langï ¿½

Otherwise, and for inquiries please send an e-mail to Klaus.Reinhold@uni-bielefeld.de

"Reinhold, Klaus" <klaus.reinhold@uni-bielefeld.de>

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Cambridge UK ComputationalBiology

University of Cambridge Faculty Position in Computational Biology

Applications are invited for an Assistant/ Associate Professorship in Computational Biology to commence on 1 April 2026 or shortly thereafter. This is a joint post between the Department of Applied Mathematics and Theoretical Physics (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.

Details:

Faculty Position in Computational Biology cam.ac.uk

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

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

FloridaStateU EvolutionaryGenetics

Assistant Professor of Evolutionary Genetics at Florida State University

The Florida State University Department of Biological Science invites outstanding applications for a tenure-track faculty position in the area of Evolutionary Genetics at the Assistant Professor level to begin in August 2026. We are interested in creative and interactive individuals, particularly those working in areas such as quantitative genetics and evolutionary comparative genomics. We seek a colleague who uses statistical, theoretical, or empirical (lab or field) approaches in any system. Successful candidates are expected to establish an innovative, extramurally-funded research program, contribute to undergraduate and graduate education, engage in meaningful service, and enhance existing strengths in our Ecology and Evolution research group. A PhD is required and postdoctoral experience is preferred.

The Florida State University Department of Biological Science is an integrated group of over 55 faculty in the areas of Ecology and Evolution, Cell and Molecular Biology, and Neuroscience, dedicated to excellence in research and teaching. The broad research interests of our faculty link deep natural history with modern quantitative and molecular techniques. The Department has a strong track record of supporting faculty success through engaged formal mentoring, fostering collegiality, and encouraging collaborations within and across departments. We are an unusually interactive and collegial group, and seek to hire individuals who

will support our vibrant and open intellectual community. FSU is an R1 institution currently ranked 21st among public universities in the US. Researchers have access to excellent core resources, including a state-of-the-art analytical laboratory; DNA sequencing, molecular cloning, and NGS library facilities; an imaging center; several greenhouses and an experimental field research facility, as well as access to the Coastal and Marine Laboratory and the National High Magnetic Field Laboratory. Additional resources include facilities for functional genomics, proteomics, flow cytometry, mass spectrometry, and computing clusters for bioinformatics. For information about Florida State University's Department of Biological Science, visit our website at https://www.bio.fsu.edu . Job location: The university is located in Tallahassee, the capital city of Florida, which is situated in the Big Bend region of the state, an area with varied and relatively undeveloped habitats. Tallahassee hosts a rich program in the performing arts and athletic events and is close to several state parks, rivers, a National Wildlife Refuge, the largest national forest in Florida, and nearby white-sand beaches. The Big Bend region is an ecological hotspot and provides ample access to research sites and outdoor recreational opportunities.

How to apply: Submit your electronic application to https://jobs.fsu.edu (Job ID 61447). Review of applications will begin on December 1, 2025. The application materials are: 1) Cover letter 2) Curriculum vitae 3) Research statement: 2-3 pages addressing current and proposed research plans 4) Teaching and Mentoring statement: 1-2 pages addressing past experiences and future plans for teaching and mentoring undergraduates, graduates and postdocs. 5) Service statement: 1 page addressing past experience and future plans for service to the department, university, discipline, and the broader community. Include the names and contact information for three references as instructed in the application portal. Letter writers will only be contacted for short-listed applicants.

FSU is an Equal Employment Opportunity Employer.

More information about the E&E group and department can be found at https://www.bio.fsu.edu/ee/ . Questions about the position may be sent to the chair of the search committee Dr. Scott Burgess at evolution@bio.fsu.edu.

Kayla Stoy <ks24bw@fsu.edu>

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GeorgiaSouthernU EvolPhysiology

Assistant Professor of Physiology Job Opening#292496

College of Science and Mathematics, Department of Biology

The Department of Biology in the College of Science and Mathematics (COSM) invites applications and nominations for the position of tenure-track Assistant Professor of Physiology.

Georgia Southern University is the state's largest and most comprehensive center of higher education south of Atlanta. With nearly 150 degree programs at the bachelor's, master's and doctoral levels, Georgia Southern has been designated a Carnegie Doctoral/R2 "high research" university and serves more than 29,500 students from all 50 states, Washington D.C., and Puerto Rico as well as 106 nations.

With three vibrant campuses the Statesboro Campus, the Armstrong Campus in Savannah and the Liberty Campus in Hinesville Georgia Southern offers a dynamic environment which encourages learning, discovery and personal growth. The University is accredited by the Southern Association of Colleges and Schools and has earned special accreditation from professional and academic associations that set standards in their fields.

Georgia Southern is an influencer and intellectual catalyst in southeast Georgia, a rapidly expanding region that is home to international companies such as Hyundai, Gulfstream and JCB, as well as the Port of Savannah and Georgia Ports Authority. With a focus on hands-on learning, Georgia Southern is supporting the demand for highly skilled workers by providing academic excellence and creative innovation in a supportive student-centered environment that empowers the next generation of leaders to succeed.

Beyond an ideal location, there is a place for you to work in an exciting environment abounding with opportunities for personal and professional growth. Named one of the Best U.S. Colleges by The Wall Street Journal, Georgia Southern is nationally ranked for the caliber of its programs and services. In 2018, Forbes Magazine listed Georgia Southern, along with 10 other Georgia companies or institutions, as one of America's Best Midsize Employers.

Within this setting the Department of Biology is a grow-

ing leader in biological research in Georgia and is committed to expanding its faculty expertise in physiology. The Department provides undergraduate (BS/BA in Biology) and graduate students (M.S. in Biology, Ph.D. in Environmental Science, and Ph.D. in Biomedical Sciences) with a challenging education that is research-based and technology-oriented. The new faculty member will participate in the development and growth of new and current programs in Biology and the College of Science and Mathematics (COSM) by teaching, mentoring graduate students, and developing an externally funded research program. The department provides a foundation for life-long learning and appreciation of the breadth of biological processes through teaching, research, and outreach. Three campuses and a variety of off-campus research facilities offer Biology students and faculty access to state-of-the-art equipment in the department and the COSM Core Research Lab (CCRL).

Location

Statesboro Campus

1332 Southern Drive

Statesboro, GA 30458

Job Summary. Reporting to the department chair, the Assistant Professor of Physiology requires experience in and commitment to research, teaching, and service. The position includes teaching at the undergraduate and/or graduate level. The successful candidate will develop an independent, high-impact, extramurally funded research program focusing on any level of biological organization in animal, plant, or microbial physiology. There is an expectation to engage students at all levels in the research program, especially Ph.D. students from one of the three available programs in COSM. The position is an academic (10 month), tenure-track appointment and the salary is competitive and commensurate with qualifications and experience.

Required Qualifications:

- Earned a Ph.D. or equivalent in biology, physiology, cell biology, or a closely related field with at least 18 graduate semester hours in biology, physiology, or cell biology, by August 1, 2026.

- Demonstrated excellence in research, as evidenced by a strong publication record.

- Strong potential to attract extramural funding commensurate with an R2 institution transitioning to an R1.

- Willingness to engage with institutional student success initiatives.

- Commitment to engaging with best practice initiatives in instruction and pedagogy, mentoring, and curriculum design and development.

- Demonstrated commitment to advancing a strong and growing research and scholarship agenda and the production of research/creative activities as appropriate to the discipline.

Preferred Qualifications:

- Postdoctoral research experience.

- Student-centered (graduate and undergraduate)

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IndianaU PDF Tech EvolutionOfSocialBehavior

The Saltz lab at Indiana University is searching for a postdoc and a technician to contribute to our work studying the evolution of social behavior using fruit flies as a model system. Details below, feel free to email me with any questions! More info on our research: saltzlab.com

Postdoc application link: indiana.peopleadmin.com/postings/31041

Technician link: indiana.peopleadmin.com/postings/31038

Julia B. Saltz Associate Professor Indiana University Biology Building Room 133, 1001 E. 3rd Street, Bloomington IN 47405 Lab website: saltzlab.com

"Saltz, Julia B" <jbsaltz@iu.edu>

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IZW Berlin EvolutionaryAdaptation

The Leibniz Institute for Zoo and Wildlife Research (Leibniz-IZW) in the Forschungsverbund Berlin e.V.,

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

For our Department of Reproduction Biology we are seeking to appoint a

Team Leader Scientist (full time) in the Field of Mammalian Gamete Biology and Reproductive Biotechnologies.

The ideal candidate is interested in investigating the effects of endogenous and exogenous factors on mammalian fertility traits, such as functional performance of sperm and oocytes or embryonic development, with a focus on wildlife species and conservation.

Responsibilities:

* Development and pursuit of an innovative research programme as a group leader in the field of mammalian gamete biology, embryology and/or reproductive biotechnologies with special emphasis on its applicability for conservation purposes;

* Publication of research results in international journals and presentation of results at conferences;

* Acquisition of third-party funding;

* Laboratory management and occupational safety;

* Teaching (reproductive biology and biotechnology) ;

* Supervision of students (bachelor, master, PhD) and technical assistants.

Requirements:

* Completed university degree in biology, biotechnology, biochemistry, veterinary sciences, animal sciences or related relevant field;

* Completed PhD and research experience (postdoc) in mammalian reproductive biology, reproductive biotechnology or reproductive medicine, ideally in the context of species conservation;

* Strong publication record in the field of gamete biology, embryology and/or reproductive biotechnologies;

* Profound expertise in microscopy/imaging technologies (incl. fluorescence);

* Excellent command of English (written and spoken);

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

Advantageous skills:

* Expertise in single cell characterization (e.g. flow cytometry, sperm assessment) and/or in vitro techniques (e.g. IVF/ICSI, cell culture, microfluidics);

* Experience in the supervision of technical assistants and students/junior researchers;

* Initiation and management of international scientific cooperation in the field of wildlife conservation including their legal requirements (Nagoya, CITES, export control, etc.);

* Strong networking and communication skills.

Our offer:

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

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

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

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

* A salary in accordance with the public collective bargaining law TVï¿½D (Bund) with an annual bonus payment, at level E14.

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

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

* 30 days holiday per calendar year, based on a 5-day week. In addition, 24 December and 31 December are days off.

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

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

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

The position will be filled preferably by March 1st, 2026

and is initially limited to 3 years.

We welcome applications regardless of gender, origin, sexual orientation and religion. Disabled persons will be given preferential consideration in case of equal suitability. The IZW lives the principles enshrined by the German "Charta of Diversity" (Charta der Vielfalt), has a diversity and inclusion strategy, is "Total-E-Quality" certified, promotes equality and actively supports a work-life balance. We promote diversity, so please convince us with your quality and competence.

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London UK TechncialSpecialist PopGenDynamics

ARIA, London; deadline November 16; three years; 70-105k/year.

ARIA is the UK's new "moonshot" funding agency, established in 2023 with a mandate of funding research at the edge of the possible. It's a wonderful place to work and to try to make world-changing dreams come true.

We're hiring a Technical Specialist to help shape and run an ambitious 55 million research programme within the Engineering Ecosystem Resilience space. More details on the general roles of technical specialist: https://-aria.pinpointhq.com/technical-specialist Think of this role as a superpostdoc or institute manager, except that we decide to assemble and fund the best possible teams to do the coolest most potentially impactful work possible.

In this specific role you'll act as the programme's technical lead alongside Programme Director Prof Yannick Wurm assessing proposals, advising and managing funded teams, benchmarking progress against the state-of-the-art, and building collaborations across academia, research institutes, startups, and industry, while also working across diverse stakeholders including government and charities to ensure appropriate governance and ethical dimensions are considered.

Ideal background: deep expertise in areas such as evolutionary genetics, community/quantitative ecology, or synthetic biology; PhD or equivalent technical experience preferred.

ARIA's Engineering Ecosystem Resilience opportunity space: https://www.aria.org.uk/opportunity-spaces/engineering-ecosystem-resilience Apply here: https://aria.pinpointhq.com/en/postings/49ea3b40-34f9-432d-8818-6dbb43404e12 Informal questions welcome: yannick.wurm@aria.org.uk.

Yannick Wurm

Programme Director

Engineering Ecosystem Resilience

aria.org.uk|@ARIA_Research

Yannick Wurm <yannick.wurm@aria.org.uk>

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MississippiStateU EvoDevo Microbiol

Position Function:

The Department of Biological Sciences at Mississippi State University (MSU) invites applicants for 9-month, tenure-track Assistant Professor positions. We anticipate hires in two broad research areas, Microbiology and Evo-devo.

Salary Grade: UC

For salary grade UC, these positions are "Unclassified" and salary ranges are determined by the hiring department.

Area of Specialization:

Microbiology and Evo-devo.

Anticipated Appointment Date:

August 16, 2026

Tenure Track Status:

Tenure-Track

Essential Duties and Responsibilities:

Successful candidates are expected to establish an externally funded research program and contribute to the service mission of the department. Faculty are also expected to teach one course each semester in support of the undergraduate and graduate curricula (M.S. and Ph.D.). Appointment will be at the rank of Assistant

Professor (tenure-track) with an anticipated start date of August 16, 2026. We further encourage applicants who are passionate scholars conducting hypothesis-driven research, especially those involving interdisciplinary and collaborative initiatives. We are also interested in candidates that combine wet lab or field-based research with computational or quantitative approaches.

Minimum Qualifications:

Minimum requirements include a Ph.D. in a relevant field and evidence of sustained productivity and teaching competence.

Knowledge, Skills, and Abilities:

Microbiology position: We seek candidates studying fundamental questions in microbiology or host-microbe interactions/microbiome sciences, including but not limited to bacteriology, eukaryotic microbiology, virology, pathogenesis, immunology, microbial ecology, and environmental microbiology.

Evo-devo position: We seek candidates studying fundamental questions in the evolution of development, including but not limited to genetic regulation, phenotypic novelty, epigenetics, phenotypic plasticity, and evolution of behavior. Candidates studying model or non-model organisms are equally encouraged to apply.

Working Conditions and Physical Effort

The majority of the work is performed in a classroom or lab environment. Some duties include hands on instruction, which could involve moderate exposure to extreme temperatures, dirt, dust, unpleasant odors, and/or loud noises.

Department Profile

The Department of Biological Sciences provides in-house research infrastructure including new imaging and high-performance computing resources. Core facilities within the department also include a BSL-2 AALAC-accredited animal care facility, a forest reserve, and common-use molecular and imaging facilities. The department also houses the Mississippi State University herbarium (MISSA), which is part of a campus-wide museums and galleries group (www.museums.msstate.edu).

The department offers B.S. (Biological Sciences, Medical Technology, and Microbiology), M.S., and Ph.D. (Biological Sciences, Computational Biology) degrees. Faculty in the department have diverse research interests in bioinformatics, cell biology, developmental biology, ecology, evolutionary biology, genetics, microbiology, and systematics, and have been recently funded by a variety of agencies including NIH, NSF (including four current CAREER awards), DOE, DARPA, USDA, USDT, and DOJ, as well as state and private organizations. Biology faculty interact with other campus research centers and institutes (www.research.msstate.edu/centers-institutes) and have ongoing collaborations involving all eight of the university's colleges.

Mississippi State University is a comprehensive Carnegie R1 "Very High Research Activity" campus and a top-100 university by research expenditure. The campus is situated in a small, inclusive community boasting an exceptional standard of living (https://starkville.org). Within a short drive of Starkville are more than 120,000 acres of state and federal natural areas, with abundant opportunities for research and recreation. This includes the Sam D. Hamilton Noxubee National Wildlife Refuge (https://www.fws.gov/refuge/sam-d-hamilton-noxubee), and the Tombigbee National Forest. We are Mississippi's land-grant institution and principal research university with an enrollment of 23,000 students.

Instructions for Applying:

Applicants must upload the following: - a cover letter synthesizing your experience and interest in the position. - a CV - a statement of research expertise and goals (3-page maximum). - a statement of teaching interests and competency (2-page maximum). - contact information for three references. - reprints of up to three publications.

Your research and teaching statements should include plans for mentoring undergraduate and graduate students of different backgrounds and

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Montpellier HeadOfCEFEResearchCenter

The CEFE (Centre d'Ecologie Fonctionnelle et Evolutive; https://www.cefe.cnrs.fr/fr/cefe) is in need of a new director, who rotates about every 5 years in the French system.

If you know someone relatively familiar with the French Research system and who may be interested by a position with responsibilities in Montpellier, France, please forward them this announcement. More details are found there:

https://carrieres.cnrs.fr/wp-content/uploads/2025/-10/Appel-a-candidature-CEFE_2025-.pdf

While the job involves a fair component of administration, logistics and organization, management of human resources, it also involves scientific strategy and in the case of CEFE puts you in contact with the needs and projects of a very rich and diverse research community, among the most active in ecology and evolution at the international level. From my colleagues who have directed large research units in the recent past, I understand that it is a demanding job but highly interesting and at a scale where your decisions can really make a difference in the well-being and creativity of a community of research. The director also plays an important role in stimulating the sense of belonging, solidarity and community in a research center, which are organized quite differently in France than in other places.

Do not hesitate to spread the word. The call closes January 10th 2026.

Best wishes

Ophelie Ronce

Ophï¿½lie Ronce <ophelie.ronce@umontpellier.fr>

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

NorthCarlinaStateU FieldTech PlantEvolEcol

Dear colleagues,

We are recruiting 1-2 field technicians to contribute to an NSF-funded study that combines approaches from evolutionary biology, field ecology, and population genomics in a broadly distributed native plant species (*Chamaecrista fasciculata*, Fabaceae) to forecast population dynamics range-wide under climate change. My collaborators at the University of Georgia will soon be advertising similar positions based in Ithaca, New York and Archbold Biological Station in Florida. Please distribute to any interested candidates!

Thanks, Seema

Seema Sheth (she/her) Associate Professor Department of Plant and Microbial Biology North Carolina State University seemasheth.weebly.com

Field technician position in Plant Evolutionary Ecology

Department of Plant and Microbial Biology

North Carolina State University

The Sheth plant evolutionary ecology lab < https://seemasheth.weebly.com/ > in the Department of Plant and Microbial Biology at North Carolina State University (Raleigh, NC) is currently seeking 1-2 enthusiastic field technicians to participate in an NSF-funded study (https://-www.nsf.gov/awardsearch/showAward?AWD_ID=-3D2220928&HistoricalAwards=false) under the direction of Dr. Seema Sheth and in collaboration with Drs. Susana Wadgymar (Davidson College), Jill Anderson (University of Georgia), Megan DeMarche (University of Georgia), and Emily Josephs (Michigan State University). The project combines approaches from evolutionary biology, field ecology, and population genomics in a broadly distributed native plant species (Chamaecrista fasciculata, Fabaceae) to forecast population dynamics range-wide under climate change. The technician will be part of a dynamic, dedicated, and engaged research group as well as a member of a multidisciplinary and multi-institution collaborative group that includes Botanic Garden and conservation professionals.

Dates: February 1, 2026 through November 30, 2026 (exact dates flexible)

Location: Raleigh and Chapel Hill, North Carolina

Pay: $20/hour

Expected duties: The successful candidate will contribute to a collaborative study of eco-evolutionary responses to climate in the partridge pea, Chamaecrista fasciculata, an annual legume that grows in disturbed habitats in central and eastern North America. The technician's primary responsibilities involve establishing and maintaining a large common garden experiment (~6,500 plants) at Mason Farm Biological Reserve in Chapel Hill, NC. This includes preparing seeds for planting, planting seeds, setting up the garden infrastructure, building open-top chambers, collecting data on traits and fitness, entering data, maintenance tasks in the garden (e.g., weeding), and processing samples in the lab. The technician will also have opportunities to train and mentor undergraduate students and work with graduate students.

Required qualifications

- Bachelor's degree in ecology, evolutionary biology, botany, or a related field - Valid US driver's license - Ability to work outdoors in challenging conditions for long days - Previous experience with field research in ecology, evolution, and/or botany - Attention to detail; precise, neat work; ability to perform repetitive tasks - Excellent problem-solving and communication skills

Preferred qualifications

- Coursework in ecology, plant biology, genetics, or related fields - Ability to occasionally lift up to 50 lbs - Desire to train and mentor other team members - Comfortable with manual labor, including but not limited to using common tools, light carpentry, and gardening/landscaping techniques - Experience with troubleshooting in the field

Commitment to field safety: We are committed to providing a safe field work experience for all members of the collaborative team. We are happy to discuss and address any safety-related concerns you have.

About NC State and the Raleigh area: NC State's Department of Plant and Microbial Biology offers a highly-rated research environment and is situated in a collaborative and scientifically stimulating atmosphere in the Research Triangle, with both UNC Chapel Hill and Duke University nearby. There is a vibrant and growing community of ecologists and evolutionary biologists spread across multiple departments on campus, including Applied Ecology, Biological Sciences, Entomology and Plant Pathology, Forestry and Environmental Resources, Soil and Crop Sciences, and Biochemistry, among others, many of whom participate in a weekly Evolutionary Genetics meeting. Raleigh is a lively yet affordable city with a high standard of living, and its surroundings offer numerous recreational activities.

To apply: Please email the following materials to

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NortheasternU Boston TeachingEvolution

Assistant/Associate Teaching Professor, Marine and Environmental Sciences, Introductory Biostatistics

About the Opportunity

The Department of Marine and Environmental Sciences at Northeastern University in Boston, Massachusetts invites applications from qualified candidates for a full-time, non-tenure track teaching faculty position. The faculty member will teach courses that serve both undergraduate students in our majors (Marine Biology, Ecology and Evolution, Environmental Science) and students from other programs such as Biology, Biochemistry, and Behavioral Neuroscience. Biostatistics and related labs will be a primary course assignment. Potential additional courses include Introduction to Data, Capstone, and courses in the candidate's area of expertise that fulfill the department's curricular needs as determined by the Chair of the Department of Marine and Environmental Sciences and the Chair of the Undergraduate Curriculum Committee.

We seek broadly trained candidates with expertise in biostatistics, teaching in R, experimental design and implementation. Successful candidates could have a background in evolutionary biology, natural resource management, terrestrial ecology, conservation biology, restoration ecology, or related fields. Candidates must demonstrate a background in teaching statistics. Candidates who can leverage their prior experience with government, industry or non-profit organizations to enhance experiential learning opportunities for students are strongly encouraged to apply. Given the diversity of our curriculum, we seek candidates that can offer both day and evening courses. Application review will begin on December 15, 2025, and will continue until the position is filled. The anticipated start date is either July 2026 or August 2026.

Apply:

https://northeastern.wd1.myworkdayjobs.com/-careers/job/Boston-MA-Main-Campus/-Assistant-Associate-Teaching-Professor–Marine-and-Environmental-Sciences–Introductory-Biostatistics_R136996 "Lotterhos, Katie" <k.lotterhos@northeastern.edu>

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OaklandU Michigan TeachingEvolution

Special Instructor of Biological Sciences - Ecology, Evolution, Environmental Biology Requisition No.: 0000794 https://jobs.oakland.edu/postings/36185 Job Description Summary The Department of Biological Sciences at Oakland University invites applicants for a full-time faculty position in the area of Ecology, Evolution, and Environmental Biology, to be filled by August 15, 2026. The appointment, as a Special Instructor, is a full-time,

teaching-track faculty position leading to job security, the equivalent of tenure. Special Instructors are expected to teach three classes per semester in the Fall and Winter semesters and to participate in service and program development activities. The successful candidate is expected to teach lecture and laboratory/field courses to support our new Bachelor of Science degree program in Ecology, Evolution, & Environmental Biology (EEEB), as part of a team of faculty and instructors within the department. Possible courses might include lecture or lab/field courses in Introductory Biology, Evolution, Ecology, Evolutionary Ecology, Invertebrate Zoology, Botany, or other courses within the EEEB curriculum.

Minimum Qualifications The candidate must have a Ph.D. in Ecology, Evolution, Environmental Biology, or a related field, have experience teaching lecture and laboratory/field courses in this area, and demonstrate the ability to implement evidence-based and inclusive teaching practices. Candidates will be considered favorably if they have demonstrated experience in course development, teaching courses at multiple levels (e.g., introductory vs. advanced), and designing courses in various modalities (e.g., online vs. in-person).

Special Instructions to Applicants For full consideration, applications should be submitted by January 5, 2026. The application process must be completed online at https://jobs.oakland.edu/postings/36185. Applications should include a cover letter, curriculum vitae, a teaching statement that includes a teaching philosophy, and unofficial transcripts. Applicants are encouraged to also upload an example of a recent course syllabus. In addition, names and contact information for three letters of recommendation must be provided. The application system will contact the letter writers via email and provide them with instructions on how to upload their letters. Inquiries should be addressed to: Dr. Thomas Raffel, Department of Biological Sciences (raffel@oakland.edu).

School/College & Department/Program Summary The Department of Biological Sciences (https://-www.oakland.edu/biology/) is a dynamic department with state-of-the-art instructional labs and nearly 700 majors. It is part of the university's College of Arts and Sciences. Courses offered by the Department of Biological Sciences serve multiple majors and programs, including majors in Biology, Biomedical Science, Health Sciences, and pre-Nursing.

More About Oakland University The University is situated on 1,443 acres of scenic land in the cities of Rochester Hills and Auburn Hills, Oakland County, Michigan. The University offers 142 bachelor's degree programs and 138 graduate degree and certificate programs. Academics are offered through programs in the College of Arts and Sciences, School of Business Administration, School of Education and Human Services, School of Engineering and Computer Science, School of Health Sciences, School of Medicine, and School of Nursing. As an anchor institution in southeastern Michigan dedicated to building ongoing, collaborative relationships, Oakland University fosters community and civic engagement to enhance the lives of its students and positively impact the broader community. Learn more about Oakland University's Mission & Vision and Strategic Plan.

Position Details Open Date: 10/29/2025 Open Until Filled: Yes Job Category: Full-time Faculty

EEO Statement Oakland University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

Application Materials Required Documents: Curriculum Vitae (CV), Cover Letter, Transcripts (unofficial), Teaching Statement Optional Documents: Sample Syllabus

Inquiries should be addressed to: Dr. Thomas Raffel, Department of Biological Sciences (raffel@oakland.edu).

Taras Oleksyk <oleksyk@oakland.edu>

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RochesterInstTech Evolution

The Thomas H. Gosnell School of Life Sciences (GSOLS) in the College of Science at the Rochester Institute of Technology invites applications for a Tenure Track (TT) Assistant or Associate Professor in Ecology or Evolutionary Biology to begin in the fall of 2026. This TT position is supported in part by one of the world's leading funders of fundamental scientific research: the Simons Foundation as part of the Simons Empire Faculty Fellows Program to stimulate faculty hiring across New York State. This position is designed to support the development of strong, independent research programs while fostering interdisciplinary collaboration that advances the Simons Foundation's mission to push the boundaries of mathematics and the basic sciences.

The successful applicant will conduct research in ecology, evolutionary biology or the intersection of these fields; with a preference for applicants who work on eukaryotic systems. Exceptional candidates from related

fields who bring unique expertise and perspectives will also be considered. We are seeking a colleague with a strong scholarship record, experience as a college-level instructor, and a history of collaborative work. We are especially interested in applicants who can work with faculty and students from all our programs, undergraduate and graduate.

We are seeking a colleague with a strong scholarship record, experience as a college-level instructor, and a history of collaborative work. We are especially interested in applicants who can work with faculty and students from all four of our programs. The successful candidate will develop an extramurally funded research program, engage in undergraduate and graduate teaching and mentoring, contribute professional leadership and service, contribute to curricula improvement and promote excellence in our academic community. The start date for this position is August 15, 2026.

We are seeking an individual who has the ability and interest in contributing to a community committed to student-centeredness; professional development and scholarship; integrity and ethics; innovation and flexibility; and teamwork and collaboration. Select to view links to RIT's core values < http://www.rit.edu/-academicaffairs/policiesmanual/p040 > and honor code < http://www.rit.edu/academicaffairs/policiesmanual/-p030 >.

To attract and retain an excellent and innovative faculty, RIT offers several programs and professional development opportunities to help faculty succeed from our onboarding and orientation on through to the tenure and promotion process.

https://www.rit.edu/aes/ofr Required Minimum Qualifications

Ph.D. and postdoctoral training (or equivalent professional experience) in a biological, environmental science, or related field is required; preference will be given to candidates with a strong track record of publication in high-quality journals, evidence of successful grant-writing, being an instructor-of-record in undergraduate and/or graduate courses, mentoring experience and a history of collaboration.

A commitment to the educational and teaching mission of the Thomas H. Gosnell School of Life Sciences and the College of Science.

A commitment to including graduate and undergraduate students in research.

Ability to contribute in meaningful ways to the university's continuing commitment to access, engagement, and success < https://www.rit.edu/aes/message-vice-president-and-associate-provost-access-engagement-and-success >.

Strong communication skills

Department/College Description

The Thomas H. Gosnell Scholl of Life Sciences (GSoLS) in the Rochester Institute of Technology College of Science is home to vibrant programs in Biology (BS), Biotechnology and Molecular Bioscience (BS), Bioinformatics and Computational Biology (BS and MS), and Environmental Sciences (BS and MS) with approximately 20 tenured and tenure-track faculty, 5 teaching faculty and numerous support staff. GSoLS is known for high-quality education, innovative approaches to teaching and learning, and excellent research and expertise in target areas including bioinformatics, computational biology, environmental science, biotechnology and STEM education.

The RIT College of Science offers 12 undergraduate programs and 18 graduate programs. Our students benefit from the intersection of science and technology at RIT, including access and training with state-of-the-art laboratory equipment and facilities starting in their first year at RIT. As one of the top externally grant-funded colleges on campus, the College of Science houses six of RIT's major research centers that give

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RoyalOntarioMuseum CuratorBirds

The Royal Ontario Museum is hiring a Curator of Birds

WHO WE ARE Royal Ontario Museum (ROM) is Canada's premier museum, featuring a comprehensive collection of Art, Culture and Nature. Among the top 10 cultural institutions in North America, ROM has a world-class collection of 18 million artworks, cultural objects, and natural history specimens, featured in 40 gallery and exhibition spaces. ROM's mission is to transform lives by helping people to understand the past, make sense of the present, and come together to shape a shared future. The museum is known globally for expanding the boundaries of knowledge and presenting that knowledge in new and innovative ways within the intersecting worlds of art, culture, and nature.

WHO WE NEED Curator of Birds Overview An ecologically diverse group with more than 11,000 species, birds are a vital component of Earth's biodiversity. Birds are integral in ecosystems around the world, playing key roles in seed dispersal, pest control, pollination, and nutrient cycling, among many others. Birds and their behaviours have long influenced human cultures, providing inspiration in art, literature, and music, as well as in agriculture. Additionally, birds contribute to tourism economies and are central to many conservation efforts aimed at protecting biodiversity. Sadly, bird biodiversity loss is a growing concern, reflecting the broader declines in ecosystems worldwide. Many bird species are facing increasing threats from climate change, pollution, and human activities like habitat destruction and urbanization. According to the International Union for Conservation of Nature (IUCN), nearly 13% of bird species are currently threatened with extinction, with over 1,500 species classified as vulnerable, endangered, or critically endangered. Protecting bird diversity is essential for maintaining ecological balance and ensuring the health of the planet.

As Canada's largest museum and most highly visited cultural institution, ROM is ambitious in its unique capacity to facilitate discovery and awareness of the fundamental role of birds in global ecosystems and human culture. The Museum's Birds collection is world-class and global in scope, comprising more than 200,000 specimens, including the world's largest collection of bird skeletons and globally significant holdings of frozen tissues and specimens of recently extinct species. This diverse trove of skins, skeletons, nests and eggs, and tissues from species adapted to varied habitats and geographic regions is an invaluable resource, used regularly by local and international researchers seeking to document and understand bird diversity. This exceptional resource supports ROM public programs, exhibitions, and galleries by bridging the realms of art, culture, and nature.

The Position: Curator of Birds ROM seeks an innovative and collaborative Curator to build, research, interpret, and share the Museum's Birds collection and to be an engaging spokesperson for the importance of birds. The Curator of Birds will initiate and develop transdisciplinary exhibitions and public programs, develop a strong museum-based research program, collaborate with academic institutions (such as the University of Toronto), community groups, and stakeholders, and demonstrate exceptional leadership, listening, and communication skills. Recognizing multiple voices and types of authority, the position will encourage and educate the public at all levels of interest, as well as train the next generation of ornithologists. The Curator will conduct conceptually driven, collection-based research in bird systematics, ecology, evolution and/or conservation, as well as the role of birds in human society. Candidates' collection-based research program will integrate into the highly collaborative and interdisciplinary research of ROM's Department of Natural History and complement the Museum's Art and Cultural disciplines.

The successful candidate will be an accomplished practicing scientist who has embarked on a successful career, has a high level of academic achievement for their career stage, and who is deeply interested in having a strong public-facing role. An equivalent in relevant experience, research, exhibitions and/or publications will be considered. There may be opportunities for university cross-appointment (including at the University of Toronto) as well as eligibility for Natural Sciences and Engineering Research Council (NSERC) funding in support of research. Exceptional early-career and mid-career scientists are encouraged to apply.

HOW YOU WILL MAKE AN IMPACT - Passionately engage the public, fostering understanding and dialogue about the importance of birds as fundamental to the well-being of the Earth and humankind. - Promote and facilitate scientific and public access to ROM's diverse Birds Collection. - Establish a vision and a 10-year plan for continuing to develop ROM's Birds Collection.

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RoyalOntarioMuseum CuratorPlants

The Royal Ontario Museum is hiring a Curator of Plants & Sustainability

WHO WE ARE Royal Ontario Museum (ROM) is Canada's premier museum, featuring a comprehensive collection of Art, Culture and Nature. Among the top 10 cultural institutions in North America, ROM has a world-class collection of 18 million artworks, cultural objects, and natural history specimens, featured in 40 gallery and exhibition spaces. ROM's mission is to transform lives by helping people to understand the past, make sense of the present, and come together to shape a shared future. The museum is known globally

for expanding the boundaries of knowledge and presenting that knowledge in new and innovative ways within the intersecting worlds of art, culture, and nature.

WHO WE NEED Curator of Plants & Sustainability Overview Plants are essential to life on Earth, providing the oxygen and food on which all life depends. Plants are the foundation of the world's biodiversity and form a Kingdom of more than 250,000 species that define and sustain ecosystems and regulate the planet's climate. Plants serve as indicators of the effects of global change on Earth's ecosystems and are essential to life sustainability. Plants and plant-derived products have been fundamental to the development of human societies and cultures, providing housing, clothing, food, and medicine, as well as aesthetic pleasure and inspiration to all peoples.

Developing human understanding of plant diversity, ecology, evolution, and function is critical to addressing the complex challenges facing society today, including rapid biodiversity loss, agricultural sustainability, land use, human health, and climate change. As Canada's largest museum and most highly visited cultural institution, ROM is ambitious in its unique capacity to facilitate discovery and awareness of the fundamental role of plants in global ecosystems and human culture. The Museum's botanical collection is world-class and global in scope, comprising more than 1.1 million specimens within ROM's Green Plant Herbarium, including the largest and most representative collection of Ontario flora available. This diverse trove of specimens of flowering plants, conifers, ferns, mosses, algae, seeds, and pollen from varied habitats and geographic regions is an invaluable resource, used regularly by local and international researchers, naturalists, and biologists seeking to document and understand plant diversity. This unparalleled resource supports ROM public programs, exhibitions, and galleries by bridging the realms of art, culture, and nature.

The Position: Curator of Plants & Sustainability ROM seeks an innovative and collaborative Curator to build, research, interpret, and share the Museum's plants collection and to be an engaging spokesperson for the importance of green plants, including vascular plants, pteridophytes, bryophytes, and algae. The Curator of Plants will initiate and develop transdisciplinary exhibitions and public programs, build a strong museum-based research program, collaborate with academic institutions (such as the University of Toronto), community groups and stakeholders, and demonstrate exceptional leadership, listening, and communication skills. Recognizing multiple voices and types of authority, the position will encourage and educate the public at all levels of interest, as well as train the next generation of plant biologists. The Curator will conduct conceptually driven, collection-based research in botanical systematics, ecology, and evolution in the context of plant conservation and plants' role in sustainability and human society. Candidates' collection-based research program will integrate into the highly collaborative and interdisciplinary research of ROM's Department of Natural History and complement the Museum's art and cultural disciplines.

The successful candidate will be an accomplished practicing scientist who has embarked on a successful career, has a high level of academic achievement for their career stage, and who is deeply interested in having a strong public-facing role. An equivalent in relevant experience, research, exhibitions and/or publications will be considered. There may be opportunities for university cross-appointment (including at the University of Toronto) as well as eligibility for Natural Sciences and Engineering Research Council (NSERC) funding in support of research. Exceptional early-career and mid-career scientists are encouraged to apply.

HOW YOU WILL MAKE AN IMPACT Passionately engage the public, fostering understanding and dialogue on the importance of plants as fundamental to the well-being and long-term sustainability of humankind. Promote and facilitate scientific and public access to ROM's extraordinary Green Plant Collection Establish a vision and 10-year plan for continuing to develop ROM's Green Plant Collection. Create impactful programs, panels, and publications that engage both

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SUNYGeneseo TeachingBioinformatics

The Department of Biology at SUNY Geneseo invites applications for a tenure track position at the rank of Assistant Professor to begin in August 2026. The department seeks a scientist with training in Bioinformatics or Computational Biology with a passion for teaching who will contribute to the broad education in biology we provide to our majors and to the college community. A strong applicant will demonstrate an ability to contribute to Geneseo's growing expertise in

the areas of data analytics, bioinformatics, and computational biology. This is an in-residence 3-3 teaching position that may require teaching in multiple modalities including in-person laboratories depending on the needs of the department and college. For full details of the position and how to apply, please visit: https://-/jobs.geneseo.edu/postings/5406 The mission of the Department of Biology at SUNY Geneseo is to provide students from across New York State and beyond with a well-rounded background in biology, which can be used as a solid foundation for various careers in the biological sciences, health professions, and beyond. As a primarily undergraduate institution (PUI), we aspire to promote belonging among all our students, faculty and staff. This is achieved in part by having small class sizes ranging from 12 to 60 students per course, even in required and introductory courses in our popular and vibrant biology programs. Outside the classroom, undergraduate students work closely and directly with faculty to produce research and in other meaningful high-impact experiences, contributing to a high rate of students heading to graduate or professional school.

Our campus has a growing cohort of faculty teaching and working in data science, analytics, and applied AI across multiple departments in the Arts and Sciences and the School of Business. Recent "cluster" hires offer the opportunity for collaborations within and across disciplines. Geneseo also has two shared, Lambda workstations accessible to faculty and students suitable for research computing tasks, a GIS lab, and multiple computer labs.

The duties of the position include: - Teaching required courses in residence in the Biology programs and/or nonmajors biology, and elective courses in bioinformatics or computational/data-intensive biology - Developing and maintaining a research program in Bioinformatics or Computational Biology that engages undergraduate students from all backgrounds and generates scholarly products appropriate to the field. Faculty are expected to apply for external funding for continuing appointment and promotion. - Academic advising and service to the department, the college, the community, and profession, including contributing to curriculum development in Bioinformatics or Computational Biology

Required Qualifications: - Evidence of interest and ability to teach coursework at the undergraduate level including Bioinformatics and Computational Biology and other courses in Biology. - Potential to create and maintain a research program in Bioinformatics or Computational Biology that engages undergraduate students at a primarily undergraduate institution (PUI) - A commitment to fostering a working and teaching environment that welcomes all - PhD in relevant discipline (Biology, Chemistry, Biochemistry, Bioinformatics, Computer science, etc). "All but Degree" candidates will be considered, but the degree must be in hand by the time of appointment (September 1, 2026) - Candidates for this position must be eligible to work in the United States. VISA sponsorship is not available.

Preferred Qualifications: - Teaching experience and/or contributions to curricula in Bioinformatics or Computational Biology, or related courses - Research publications in peer-reviewed formats as appropriate to the field - Experience mentoring undergraduate students in research - Demonstrated engagement with building a culture of belonging in the workplace and/or teaching environments - Postdoctoral and/or professional experience in Bioinformatics or Computational biology

To apply, submit an online faculty application at https://-/jobs.geneseo.edu/postings/5406 Please limit all documents except the CV to five pages total and address the required and preferred qualifications throughout. The application should include: - A Curriculum Vitae (CV) - A cover letter that addresses the required and any preferred qualifications - A statement of teaching interests and pedagogy - A research statement that addresses plans to include undergraduate students - In addition, applicants should be prepared to provide the contact information for three individuals who have agreed to supply a letter of reference.

Inquiries may be directed to Josie Reinhardt, Search Committee Chair, at reinhardt@geneseo.edu. Applications must be received by November 26, 2025,

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TexasAMU CorpusChristi EvolutionMarineBiology

Title: Texas A&M University- Corpus Christi: Assistant Professor of Marine Biology

Job Description: The Department of Life Sciences < https://www.tamucc.edu/science/departments/life-sciences/index.php > at Texas A&M University-Corpus Christi invites applications for 9-month, tenure-track position at the rank of Assistant Professor of Marine

Biology. The incumbent will be expected to develop a vigorous, externally funded research program, supervise graduate and undergraduate students, teach undergraduate and graduate courses and pursue scholarly research in support of the M.S. and Ph.D. programs. While preference will be given to applicants with expertise in using experimental/statistical/computational/modelling approaches to address important biological questions, we welcome all applicants who complement and expand our multidisciplinary faculty. Applications are encouraged from individuals with active or emerging competitive research programs and external collaborations. The appointment is expected to begin in Fall 2026, but start date is negotiable. A competitive startup package and research lab space will accompany the position.

University and Department: Texas A&M University-Corpus Christi is a vibrant, Hispanic and Minority Serving R2 Doctoral Research Institution that proudly provides a solid academic reputation, renowned faculty, and highly rated degree programs since 1947. The University has a heritage of teaching excellence with innovation in research and community engagement as part of the distinguished Texas A&M System. TAMU-CC is the only university in the nation located on its own island, at the heart of the Texas Gulf Coast. With a scenic, beach-front campus and easy access to amenities in the city of Corpus Christi, Texas A&M University-Corpus Christi is a first-choice institution.

Ample opportunities exist for collaboration within the Department of Life Sciences < https://-www.tamucc.edu/science/departments/life-sciences/-index.php >, departments and research centers within the College of Science < https://www.tamucc.edu/-science/ > and across the campus, and with agency such as Texas A&M AgriLife < https://ccag.tamu.edu/ >. Our unique location and proximity to beaches, wetlands, coastal bays and lagoons provide a variety of habitats for research and teaching.

The Department of Life Sciences has 18 full-time tenured or tenure-track faculty, six professional track faculty, two instructors, and over 1,200 science majors (including undergraduate and graduate students) offering B.S. degrees in Biology < https://www.tamucc.edu/science/departments/life-sciences/biology/index.php > and Biomedical Science < https://www.tamucc.edu/science/departments/-life-sciences/biomedical-sciences/index.php >, M.S. degrees in Biology < https://www.tamucc.edu/-science/departments/life-sciences/biology/index.php >, Marine Biology < https://www.tamucc.edu/-science/departments/life-sciences/marine-biology/-index.php >, and Fisheries and Mariculture < https://www.tamucc.edu/science/departments/-life-sciences/fisheries-and-mariculture/index.php >, and Ph.D. degree in Marine Biology < http://-www.marinebiology.tamucc.edu/ >. These positions may further expand and complement the Coastal and Marine System Science < http://cmss.tamucc.edu/ > M.S. and Ph.D. programs. During the last three years, the Department's research activities have resulted in an annual average of 20 grants (including NSF, NOAA, EPA, USDA, and NIH) with research expenditures in the range of $3,000,000.

Required Qualifications:

* Terminal degree in biology or related discipline. While Advanced ABD will be considered, a degree must be conferred at the time of appointment. * A strong publication record in leading and high impact journals.

Preferred Qualifications:

* Postdoctoral experience * University-level teaching experience * Evidence of ability to build an active, externally funded research program * Demonstrated experience and innovative pedagogical approaches to teaching undergraduate and graduate students from various

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TrentU ResScientist MolecularGenomics

Research Scientist & Post-Doctoral Fellow on Caribou Genomics

The EcoGenomics (www.ecogenomicscanada.ca) Research Group under Principal Investigators Dr. Paul Wilson (Trent University) and Dr. Micheline Manseau (Environment & Climate Change Canada, Trent University) is recruiting a full-time Research Scientist in Molecular Genomics and a full-time Post-doctoral Fellow (PDF) in support of conservation genomics and demographics of caribou (Rangifer tarandus). A range of questions will be addressed through the targeting of regions of the caribou genome through assays on non-invasively collected specimens.

The Research Scientist position is based out of the Biology Department, Trent University, Peterborough, ON.

The PDF position is based out of Ottawa, ON at the National Wildlife Research Centre (ECCC).

Education & Experience:

The Research Scientist position requires a PhD, although highly experienced MSc candidates may be considered. Candidates should demonstrate excellent laboratory experience and knowledge in genomic methodologies including DNA extraction, PCR amplification, library preparation and sequencing on Illumina and/or Nanopore platforms; with non-PCR targeting such as hybridization capture, CRISPR and/or adaptive sampling, and methylation profiling being considered an asset. The successful candidate must further demonstrate strong writing and presentation skills as evident by proposal writing, reporting, peer-reviewed publications and conference attendance.

The PDF position in conservation genomics and demographics of caribou requires a PhD with experience in one or more of the following: demographic modelling, spatial network and pedigree analyses with machine learning being considered an asset. The successful candidate must further demonstrate strong writing and presentation skills as evident by proposal writing, reporting, peer-reviewed publications and conference attendance.

Compensation for both positions are $70,000 CAD/year minimum but are negotiable based on experience. One year of funding is guaranteed with the potential for extension based upon performance and budget.

To apply send a cover letter and CV to Dr. Paul Wilson (pawilson@trentu.ca) or Dr. Micheline Manseau (micheline.manseau@ec.gc.ca). Please note your full name and the position title in the subject line of your email (i.e. First and Last Name ??? Position Title).

Applications will be reviewed as they are received.

Start Date: Winter 2026

Bridget Redquest <bridgetredquest@trentu.ca>

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UBern PlantPopulationBiology

PROFESSOR IN PLANT POPULATION ECOLOGY, TENURE-TRACK ASSISTANT PROFESSOR OR OPEN RANK (80-100 %)

The Department of Biology at the University of Bern invites applications to lead the re-search division of Plant Population Ecology within the Institute of Plant Sciences (IPS). We aim to ïthe position at the level of Tenure-Track Assistant Professor, but in exceptional cases related to diversity and excellence, an appointment as Associate Professor or Full Professor can also be considered. We are looking for applications from candidates with an outstanding research record in plant population ecology. The successful candidate will develop an internationally recognised research program on understanding plant populations. Potential topics include, but are not limited to, evolutionary ecology, life history strategies, agro-ecology, forest ecology, population genetics, and invasive species. We are looking for candidates who use modern experimental and empirical approaches, potentially, but not necessarily, in combination with theoretical approaches. The successful candidate should complement the current scientiïstrengths and methods of the Institute of Plant Sciences. The candidate should have a doctorate in a relevant ï, several years of postdoctoral and teaching expertise and experience in successfully obtaining external funding. They should have an interest in establishing an active research group, teaching, mentoring early-career researchers, fostering a diverse and inclusive work environment, and in collaborating with other researchers of the institute, the department and beyond. The new faculty member will have responsibility for teaching in the ïof plant ecology and population ecology at undergraduate and graduate levels. Undergraduate teaching should be in German in the long run, while graduate teaching is in English.

The advertised position includes the 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. The IPS supports ïworking conditions and part-time employment and welcomes applications by job sharing partnerships (see job sharing guidelines). The IPS offers a vibrant and interdisciplinary research environment covering all aspects of plant science from molecules to ecosystems. It has currently six divisions led by professors, and it hosts lecturers, non-tenure track group leaders and a large international postdoc and PhD student cohort.

The IPS is one of three institutes of the Department of Biology at the University of Bern and is involved in teaching on the BSc in Biology and in four MSc Programs (Ecology and Evolution, Molecular Life Sciences, Climate Sciences, Bioinformatics). The IPS provides research facilities and supports funding for research staff. Collaborations with the Oeschger Centre for Climate Change Research, the Wyss Academy for Nature, the

Centre for Development and Environment and other University structures are encouraged. The University of Bern supports the Better Science Initiative, is an equal opportunity employer and has set the aim to increase the number of women and all underrepresented groups in leadership positions. The University of Bern is committed to ensuring equity, diversity and inclusion among students, staff, and faculty and strongly encourages applications from women and all underrepresented groups. Applications should include a motivation letter, a CV with funding history, a full publication list, a two-page statement on future research and teaching interests, a maximum one-page statement outlining the candidate's track record and/or plans on promoting and facilitating students and scientists of underrepresented groups, and the filled-in questionnaire https://-www.ips.unibe.ch/questionnaire/. The position will be open from 01.08.2027.

Applications should be sent as a single pdf document to applications.natdek@unibe.ch (Dekanat der Phil.- nat. Fakultät, Universität Bern, Sidlerstr. 5, 3012 Bern, Switzerland).

Deadline for application is 23.01.2026. For further enquiries, please contact eric.allan@unibe.ch

"helga.rodriguez@unibe.ch"
<helga.rodriguez@unibe.ch>

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

UCincinnati AquaticEvolutionaryChange

Preamble: The department of Biological Sciences at the University of Cincinnati is highly integrative. A candidate who studied how evolutionary change impacted factors at the ecosystem level would be considered.

Assistant Professor in Aquatic Ecosystem Biology, Tenure-Track, Department of Biological Sciences

The Department of Biological Sciences at the University of Cincinnati invites applications for a tenure-track position in Aquatic Ecosystem Biology at the rank of Assistant Professor intended to begin fall 2026. The successful candidate will be expected to contribute to the mission of the department through research, teaching and service. We seek scholars who study any type of freshwater or marine system, including groundwater, from an ecosystem perspective.

Essential Functions:

o Teach graduate and undergraduate courses such as but not limited to Aquatic Ecology and Ecosystem Ecology. o Conduct research and seek extramural funding for research in Aquatic Ecosystem Biology o Mentor graduate and undergraduate students. o Participate in professional service to the department and field such as serving on departmental undergraduate or graduate advisory committees or grant panels and peer review for journals.

Minimum Qualifications:

Prior to the effective date of the appointment, all of the following are required:

o A PhD in Biological Sciences or a closely related field. o One academic year of postsecondary teaching and one academic year of student mentoring experience. These experiences can be, but are not required to be, earned contemporaneously.

Application Process:

Interested applicants should apply by completing our online application https://jobs.uc.edu/-job/Cincinnati-Assistant-Professor%2C-Aquatic-Ecosystem-Biology%2C-College-of-Arts-and-Sciences-OH-45201/1333808800/ .Please include:

o A curriculum vitae (CV) o A research statement detailing your accomplishments (if applicable) and goals o A teaching statement covering your pedagogical philosophy o A cover letter that explains how your experience and qualifications align with the requirements and responsibilities outlined in the job description and a list of three references.

Letters of reference will be requested for short-listed finalists. UC is an Equal Opportunity Employer, who works to bring out the best in our students, faculty and staff to collaborate, create, innovate and compete in a global society. Review of applications will begin 1 December 2025 with applications accepted until the position is filled.

Additional Information:

The Department of Biological Sciences is a unit in the College of Arts & Sciences at the University of Cincinnati. The department has research foci in Sensory Biology & Behavior, Ecology, Evolution & Conservation, and Molecular Biology, Genetics, & Physiology. UC is an urban, public, comprehensive Research 1 institution committed to attracting, supporting and retaining an academically and culturally broad faculty. UC is an equal opportunity/affirmative action employer. UC fac-

ulty are represented by the AAUP and have a collective bargaining agreement.

Questions should be directed to Dr. Stephen Matter, Search Committee Chair: mattersf@ucmail.uc.edu

"Matter, Stephen (mattersf)" <mattersf@ucmail.uc.edu>

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

UEastAnglia ResAssoc EvolAnimalBehaviour

Faculty of Science School of Biological Sciences

Senior Research Associate Ref: RA2354

Salary on appointment will be Â£38,784 per annum with an annual increment up to Â£46,049 per annum.

Are you a reliable and enthusiastic researcher keen to work in a collaborative and interdisciplinary environment? Do you have a strong interest in exploring the evolutionary ecology of animal behaviour and the gut microbiome? An exciting opportunity is available to join the Davidson Lab at the School of Biological Sciences as a Senior Research Associate.

Our research explores how microbe-host interactions shape wildlife biology, with a focus on early-life processes in natural populations of blue tits and great tits. You will characterise gut microbiomes through whole-genome sequencing and microbial culturing. You will perform targeted microbiome interventions and host phenotyping to understand how microbes benefit wildlife.

As a Senior Research Associate you will be associated with a NERC Pushing the Frontiers grant to PI Dr Gabrielle Davidson, and Co-I Professor Lindsay Hall (University of Birmingham; Quadram Institute). In this role, you will mentor lab members, contribute ideas and enhance methodologies. You will perform wet laboratory and field work data collection, analyse and interpret genetic sequence data, present results and write for publication. You will attend scientific meetings and be involved in departmental seminars and public engagement activities. You will also have the opportunity to contribute to grant applications, and there are a broad range of training opportunities available.

- You will have a PhD (or be close to completion, within 3 months of appointment) in biological sciences, computational biology, ecology, molecular biology, microbiology or relevant field. - You will have experience of independent research, have publications in respected journals or equivalent within the field and be able to work in a proactive and results driven manner in a high paced environment. - You will have strong computational skills and experience in bioinformatics, including high-throughput sequencing data analysis, programming and scripting (e.g. Python, R), mixed model and multivariate statistical analysis and the ability to interpret results. - You will have strong communication skills, and work effectively as part of a team. - Advanced skills in microbiome functional gene annotation, Machine Learning, animal cognition and behaviour, and/or experience in fieldwork ecology would be advantageous.

This full-time post is available from 1 February 2026 for 36 months. Hybrid working is available outside of key fieldwork periods. In-person attendance will be required during seasonal bird flocking and breeding periods to support critical data collection activities.

UEA offers a variety of flexible working options. This role is advertised on a full-time basis, we encourage applications from those who would prefer a flexible working pattern including annualised hours, compressed working hours, part time, job share, term-time only and/or hybrid working. Details of preferred hours should be stated in the personal statement and will be discussed further at interview.

We strongly encourage applicants from underrepresented groups to apply, including candidates who are disabled, Black, Asian or from an ethnic minority and/or LGBTQ+. We welcome applications from all protected groups as defined by the Equality Act 2010. Appointment will be made on merit.

Further information on our great benefits package, including 44 days annual leave inclusive of Bank Holidays and additional University Customary days (pro rata for part-time), can be found on our benefits page.

Closing date: 31 October 2025

The University holds an Athena Swan Silver Institutional Award in recognition of our advancement towards gender equality.

If you need any further information let me know.

Kind regards,

Olivia Wallace Resourcing AdviseWarning: base64 decoder saw premature EOF! r Human Resources Services, People and Culture Division University of East Anglia, Norwich Research Park, Norwich NR4 7TJ

Visit UEA Media Room for breaking news and expert comment.

UK Top 25â€(Complete University Guide 2025) and UK Top 30 (The Mail 2025) UK Top 20 for research qualityâ€(Times Higher Education Rankings for the Research Excellence Framework 2021) World Top 20 for Health and Wellbeingâ€(QS World University Rankings for Sustainability 2024) World Top 100 (Times Higher Education Impact Rankings 2024) Athena SWAN Silver Award Holderâ€(since 2019) in recognition of advancement towards gender equality for all (Advance HE)

Any personal data exchanged as part of this email conversation will be processed by the University in accordance with current UK data protection law and in line with the relevant UEA Privacy Notice.

UEA Resourcing Team <staff.recruitment@uea.ac.uk>

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UHamburg TechAssist eDNA

Hi,

We have an open position for a technical assistant in eDNA, see:

https://www.uni-hamburg.de/stellenangebote/ ausschreibung.html?jobIDÃb37b9d366918c05e4fdb654994e1bbe67c0d70

Deadline 24.10.2025.

Thanks in advance for sharing, Paulina Urban

Dr. Paulina Urban

Institute of Marine Ecosystem and Fishery Science (IMF) University of Hamburg Office: +49 40 42838-6685 Mobile: +49 177 6709404 GroïÂ¿Â½e ElbstraïÂ¿Â½e 133 22767 Hamburg Germany

"Urban, Paulina" <paulina.urban@uni-hamburg.de>

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

UMiami REMaytagChairOfOrnithology

Robert E. Maytag Chair of Ornithology (Associate Professor or Professor)

The Department of Biology in the College of Arts and Sciences at the University of Miami invites exceptional ornithologists to apply for the Robert E. Maytag Chair of Ornithology. In addition to being outstanding, internationally recognized scientists passionate about avian research, applicants must be excellent teachers with strong commitments to undergraduate and graduate education. Applications will be considered at the ranks of Associate Professor (tenure-eligible) and Professor (tenure-eligible) with an expected start date of August 15, 2026.

We welcome applications from candidates who would enhance or complement our existing departmental programs in Biodiversity & Global Change, Tropical Ecology & Evolution, Development & Disease, Neuroscience & Behavior, and Microbiome Biology & Species Interactions. Candidates must hold a Ph.D. in Biology or a related field and have a strong record of ornithological research accomplishments and research funding. The successful candidate will be expected to maintain a vigorous, externally funded research program, to teach at both the undergraduate and graduate levels, including regularly teaching a course in ornithology, and be engaged actively in service to the department, the university, and the profession.

Interested applicants must apply online through the University's Careers Website: https://careers.miami.edu/us/en [search "Maytag" in the keyword field]. Applicants should compile the following into a single PDF document and upload under the Resume/CV link: (1) a cover letter (2-page max) describing the interactions they foresee with existing research programs in the Department of Biology or other units at the University of Miami, (2) a single narrative statement (3-page max) describing their commitment to research, teaching, and service, (3) a curriculum vitae (CV).

Following initial review of applications, selected candidates will be contacted by email and requested to solicit three letters of recommendation, including one from a former mentee, after which finalists will be invited for campus interviews.

To receive full attention, application materials must be received by January 10th, 2026. More information about the Department and University can be found at https://-www.biology.as.miami.edu. Inquiries should be directed to the Search Chair at: kevin.g.mccracken@gmail.com.

The University of Miami is an Equal Opportunity Employer - Females/Minorities/Protected Veterans/Individuals with Disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories protected by Federal law. Click here for additional information.

Job Status: Full time

Employee Type: Faculty

Kevin G. McCracken Department of Biology, College of Arts & Sciences Marine Biology & Ecology, Rosenstiel School of Marine & Atmospheric Sciences Human Genetics & Genomics, Miller School of Medicine University of Miami Coral Gables, FL 33146 U.S.A.

Office & Lab: 188 Cox (Biology) http://-www.duckdna.org email: kevin.g.mccracken@gmail.com http://gen-pob.org Kevin McCracken <kevin.g.mccracken@gmail.com>

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UNorthCarolina ChapelHill DirectorGardenHerbarium

The Department of Biology at UNC Chapel Hill (BIOL) and North Carolina Botanical Garden (NCBG) is conducting a joint search for an Associate Professor & Director of NCBG Herbarium. The position will seamlessly integrate between NCBG and BIOL and further the purpose and mission of both entities.

As Associate Professor in Biology, we seek a dynamic scholar studying plants with a commitment to the application of research to the conservation of the flora and ecosystems of the Southeastern United States. Research topics may include plant taxonomy, ecology, evolution or organismal biology, systematics, conservation, or biogeography, and can employ diverse methods from field-based to molecular to computational/quantitative to landscape analysis. The successful candidate will contribute to the department's mission of advancing research, education, and public engagement and will be committed to excellence in undergraduate and graduate teaching, mentoring, and service. The Associate Professor will teach at least one full undergraduate course per year in botany, systematics, ecology, conservation, or related topics and is responsible for building and maintaining an active research portfolio and securing funding from various external sponsors. They will actively participate in the scientific community (internal and external) at UNC-CH and engage in service activities that advance the institution's work and role in supporting North Carolina. As Herbarium Director, we seek a dynamic leader responsible for the overall management and leadership of the Herbarium. Duties to the Herbarium and NCBG include authenticating and approving plant material added to the collection; supervising staff, graduate students, undergraduates, and volunteers; developing and implementing program plans and budgets; and providing strategic vision for NCBG, including contributing to the Garden's Plant Biodiversity Research Program. The Herbarium Director should have administrative experience and skill, success in obtaining and administering outside funds, experience and skill in working with public outreach, and demonstrated knowledge, experience, and potential in terms of research on the flora of the Southeast US. This position has budget authority for the Herbarium and is expected to serve as a member of the Garden's executive leadership team and participate in garden-wide events and activities that advance the mission of the North Carolina Botanical Garden.

The Department of Biology at UNC-Chapel Hill is dedicated to the discovery and dissemination of new and existing knowledge in the broad discipline of Biology by maintaining a high-quality faculty who integrate cutting-edge research and student-focused teaching. We are one of the largest academic departments in the College of Arts and Sciences. We have over 3,450 majors and we enroll undergraduate students in over 7,870 seats in our classes each semester. Each fall or spring semester, we offer 52 classes (70 sections) and 13 lab courses (93 sections). Our average total annual expenditure exceeds $24 million, with nearly half of that coming from grant sponsored research. Our department has nearly $70 million in active grants to support our twin missions of research and teaching. Our large research base spans many areas of biology and supports several outstanding graduate programs. We consist of 50 tenure/tenure-track faculty, 13 teaching faculty, 5 research faculty, and numerous active adjunct and emeritus faculty who are engaged in basic and interdisciplinary research and teaching, both within the department and between other departments and schools at UNC. We currently have 50 graduate students and 30 post-docs and employ approximately 85 additional graduate and undergraduate

students from across the university to assist in our teaching and research missions. Further, we are supported by an administrative staff of 20, with an additional 20 staff directly supporting research.

The North Carolina Botanical Garden (NCBG) has been a leader in native plant conservation, horticulture, and education in the southeastern United States for almost 60 years. As part of The University of North Carolina at Chapel Hill, we further the University's tripartite teaching, research, and public service mission through our own mission to cultivate connections between plants, people, and place through science, engagement, and conservation. Through its Plant Biodiversity Research Program, the Garden manages the UNC-CH Herbarium, the largest collection of southeastern plant specimens in the United States (approximately 800,000 specimens dating back into the early 1800s). This collection is a primary resource for Southeastern U.S. plant and fungi systematics, description, identification, geographic distribution, and conservation, as well as an important worldwide resource on plant fossils and marine red algae. Collection of data and plant information tools such as floras,

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UPuertoRico ComparativeNeuroscience

Since evolutionary, environmental, basic, and comparative neuroscience is relevant to evolutionary biologists, this job announcement would be of interest to EvolDir clients.

TENURE TRACK FACULTY POSITION ANNOUNCEMENT The Department of Biology of the College of Natural Sciences, Rio Piedras Campus, University of Puerto Rico, is inviting highly qualified candidates to apply for tenure-track faculty position in NEUROSCIENCE. This position will be available from AUGUST 1, 2026. We welcome applications from candidates whose research programs focus on fundamental neuroscience, brain-related diseases, or environmental neuroscience.

Details of the position are found in the following links in English and in Spanish:

https://www.uprrp.edu/wp-content/uploads/2025/-10/Tenure-Track-Faculty-Position-Announcement-Neuroscience-signedMGV.pdf https://www.uprrp.edu/-wp-content/uploads/2025/10/Convocatoria-Neurociencia-EspsignedM-GV.pdf You could also contact Tugrul Giray (tugrul.giray@upr.edu)

Tugrul Giray University of Puerto Rico Natural Sciences Department of Biology PO Box 23360 San Juan PR 00931 phone: (787) 764 0000 X-88109 (o), 88051(s) alternate e-mail: tugrul.giray@upr.edu

Tugrul Giray <tgiray2@yahoo.com>

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UTexasAustin LabManager PlantEvolEcoGenetics

The Sianta Lab (www.siantalab.com) in the Department of Integrative Biology at the University of Texas at Austin seeks a highly motivated and detail-oriented laboratory technician to play a key role in setting up and supporting the research operations of our lab. Our research focuses on understanding the evolutionary and ecological processes driving phenotypic, genetic, and species diversity in plant systems. The lab uses field and greenhouse experiments, population genomics, and phylogenomics and comparative biology to investigate how spatial environmental variation and local adaptation contribute to speciation. This position offers a unique opportunity to be involved in the foundational stages of a lab, contributing to a cutting-edge research program that integrates ecological, evolutionary, and genomic approaches.

This position will involve general lab setup and management, general plant care and experiments with plants in the greenhouse, standard molecular biology techniques, and training and supervising of undergraduate assistants. This position will likely involve fieldwork in Spring 2026 in California and/or Texas, which may require being away from Austin, TX for one to a few weeks across multiple trips and may require camping. Fieldwork would require some driving and a valid driver's license. The work will also include data analysis, and there will be opportunities for publishing research.

Review of applications will start November 17th, 2025

and will continue until the position is filled. Start date as soon as December 2025, but is negotiable.

Please see more details here: https://-utaustin.wd1.myworkdayjobs.com/UTstaff/job/-UT-MAIN-CAMPUS/Research-Engineering-Scientist-Associate-I_R_00042901 Inquiries about the position can be directed to Shelley Sianta (shelley.sianta@austin.utexas.edu).

"Sianta, Shelley A" <shelley.sianta@austin.utexas.edu>

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Vienna ResAssociate EvolutionaryModeling

University Assistant Postdoc (~ 5 years) in Evolutionary Modeling at the University of Vienna

The Mathematics and BioSciences group (MaBS) at the University of Vienna is looking for a strong and highly motivated candidate for a University Assistant position in evolutionary modeling. The research focus is flexible and includes work in population genetics or genomics, quantitative genetics, and evolutionary ecology. See the MaBS homepage (https://www.mabs.at/) for further information on our research interests.

In recent years, Vienna has developed into one of the leading centers in evolutionary biology (https://-www.evolvienna.at/). In addition to a stimulating scientific environment, Vienna also offers an extraordinarily high quality of life. Affordable housing, excellent public transport, great restaurants, a range of international schools, two operas, two music centers, many theaters, and museums, in combination with a pleasant climate make Vienna one of the most attractive cities in Europe.

The successful candidate will have a record of high-quality research in evolutionary modeling. S/he is expected to develop and maintain an independent research profile and to attract third-party funding. In addition to research, the candidate will contribute to teaching and will supervise students.

The position comes with a competitive salary; it is offered with a start date as soon as possible (negotiable) and with an end date on 30.09.2030.

Formal requirement is a PhD and a strong background and interest in quantitative evolutionary research (analytical or computational modeling). Prior postdoc experience and the proven ability to attract funding are desirable. The working language is English; German skills are not essential.

Applications should include:

a cover letter # a scientific CV, including a list of publications, talks, third-party funding, and teaching activities (if applicable) # a statement of past research achievements and future research interests and plans (max. 4 pages) # contact details for 3 referees

Full applications (preferably as a single PDF, max. 10 MB) should be sent via the Job Portal of the University of Vienna at

https://jobs.univie.ac.at/job/University-Assistant-postdoctoral/1263377601/ Screening of applicants will start not before November 20, 2025 and it will continue until the position is filled.

Informal inquiries should be sent to Joachim Hermisson (joachim.hermisson@univie.ac.at).

Matteo Tommasini <matteo.tommasini@univie.ac.at>

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ZALF Germany GeneFlowMechanisms

The mission of the Leibniz Centre for Agricultural Landscape Research (ZALF) as a nationally and internationally active research institute is to deliver solutions for an ecologically, economically and socially sustainable agriculture - together with society. ZALF is a member of the Leibniz Association and is located in Mï¿½ncheberg (approx. 35 minutes by regional train from Berlin-Lichtenberg). The institute also maintains locations in Dedelow and Paulinenaue.

Within the DFG-funded project "MEGAFORP - Mechanisms of gene flow among spatially isolated forest herb populations in European agricultural landscapes", we want to study how the landscape structure determines the gene flow among small forest fragments that are imbedded within a matrix of agricultural land. We will use population genetic and landscape ecological methods to investigate whether gene flow occurs primarily via bumblebee-mediated pollen dispersal or via animal-mediated seed dispersal. Together with partners from France, Belgium, Germany, Sweden, and Poland, we will be able to include various agricultural landscapes and

different gradients of landscape structure. Genome-wide single-nucleotide polymorphisms (SNPs) from both the nuclear and chloroplast genome will allow us to quantify both contemporary and past gene flow.

We are offering a 65% position over 36 months, starting preferably on March 1, 2026, at our location in Mï¿½ncheberg as Doctoral candidate in Landscape Genetics (f/m/d)

Your tasks: - Conducting field work in two regions (NE Germany and NW Germany) - Coordination of field work with European partners - Molecular lab work (DNA extraction, DNA quality check) - Bioinformatic processing and analysis of next-generation sequencing data - GIS-based landscape analysis - Statistical modelling of the relationship between genetic measures and landscape metrics - Preparation of manuscripts for publication

Your qualifications: - M. Sc. in Biology, Landscape Ecology, or a related field - Experience with molecular lab work - Command-line experiences (favorable using Linux OS) - Desirable: experiences in sequence bioinformatics and working with NGS data - Basic skills in GIS (ArcGIS Pro or QGIS) - Sound skills in statistical data analysis (R) - Excellent command of English (oral and written) - Driving license

We offer: - An interdisciplinary working environment that encourages independence and self-reliance - Salary according to the German public sector wage agreement (TV-L), up to EG13 level, including an annual special payment - The option to work remotely for up to 40% of your monthly working hours - Support in reconciling work and family life - Various training courses for PhD students - Access to a subsidized job ticket for public transportation - A well-equipped, quiet workplace in the green environment of Mï¿½ncheberg (commuting to Berlin is possible) - Contacts with national and international project partners, in particular the FLEUR network (https://fleur.ugent.be/) - PhD supervision in collaboration with the University of Bremen

ZALF promotes equality among all employees and welcomes applications regardless of ethnic, cultural, or social background, age, religion, ideology, disability, gender, or sexual identity. It is generally possible to work in the position on a part-time basis. Are you interested? Please, send your application including a letter of motivation (max. 2 pages), a CV with contact details of two references, and a copy of your master certificate, and stating the reference number 71-2025 until January 6 2026. Please, send your application preferably online (https://jobs.zalf.de/jobposting/-7a690e6b9749b9756f287ee1e388bd8a9f7b5e3b0?ref=-homepage). For e-mail applications, create a single PDF document (one PDF file, max. 5 MB; packed PDF documents, archive files like zip, rar etc. Word documents cannot be processed and therefore cannot be considered!) and use the button "e-mail application" (https://jobs.zalf.de/jobposting/-7a690e6b9749b9756f287ee1e388bd8a9f7b5e3b0?ref=-homepage). If you have any questions, please do not hesitate to contact us: Dr. Tobias Naaf, naaf@zalf.de, Tel. +49 (0) 33432/82-114. For cost reasons, application documents or extensive publications can only be returned if an adequately stamped envelope is attached. If you apply, we collect and process your personal data in accordance with Articles 5 and 6 of the EU GDPR only for the processing of your application and for purposes that result from possible future employment with the ZALF. Your data will be deleted after six months.

"Naaf, Tobias" <naaf@zalf.de>

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ASN Diversity Committee

The ASN Diversity Committee (DC) seeks to add 2 new members starting in January 2026. The DC works to promote diversity, equity, and inclusiveness to enhance the study of evolution, ecology, and behavior and to foster the career of its developing scientists. We pursue initiatives that support marginalized groups, which include helping to create an inclusive, accessible environment at the Evolution conference, the stand-alone ASN meeting, and our field in general. Members serve a 3-year term, and the committee typically holds two meetings a month to discuss ideas and work on projects collectively.

Deadline: November 30

Application: https://docs.google.com/forms/d/e/-1FAIpQLSd3q_KL8RfhMULohoDwlD_gg8Lbwk0MqvrAydjeirQA4sJlVw/-viewform "Carlen, Elizabeth" <carlen.e@wustl.edu>

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ESEB CallJMaynardSmithPrize DeadlineJan15

ESEB JOHN MAYNARD SMITH PRIZE

Each year the European Society for Evolutionary Biology (ESEB) distinguishes an outstanding young evolutionary biologist with a prize named after John Maynard Smith (1920 - 2004), eminent scientist, great mentor, author of many books on evolution, and a former President of ESEB.

NOMINATION The prize is open to any field of evolutionary biology. The candidates for the 2026 prize should have commenced their PhD study after January 1, 2019. However, nominees who started their PhD earlier than January 1, 2019 will also be considered if they have taken career breaks; an outline of the reason should be given. Self and non-self nominations are both welcome.

Documents supporting a nomination should be sent as a single PDF file to Ute Friedrich at the ESEB office office@eseb.org.

Non-self nominations:

1. Letter of support. If you are nominating someone, please send a letter of support for the nomination directly to <office@eseb.org>.

- Your letter should outline the candidate's academic qualities as well as their wider diverse contributions including to EDI and Open Research

2. Candidate documentation. If you are nominating someone, ask them to send a single pdf file to <office@eseb.org>. This file should contain:

- a brief description of the candidate's contributions to the study of evolution (1 page maximum)

- the candidate's CV and a list of publications (indicating three notable papers and a description of the candidate's contributions to those three papers)

- the CV should also include information on the candidate's wider, diverse contributions including to EDI and Open Research

- a short description of current research (1 page maximum)

- a short description of future research plans (1 page maximum)

Self nominations:

1. Letter of support. Ask a colleague to write a supporting statement, as above, for your nomination. They should send this letter directly to <office@eseb.org>.

2. Candidate documentation. Send the same candidate information as outlined above directly to <office@eseb.org>.

DEADLINE

Nominations and letters of support should arrive no later than THURSDAY, JANUARY 15, 2026.

Please take care to limit the size of attachments (total < 10MB) in any one email. The nomination committee, chaired by the ESEB Vice-President Deepa Agashe, will evaluate the nominations and inform the winner approximately by end of March 2026.

ASSESSMENT PROCESS

The evaluation committee, after ruling out any potential conflicts of interest, will review all the material. The evaluation committee will consider the academic merit of applications. In addition, they will also consider (i) diverse contributions - /e.g./ via science outreach, teaching, mentoring, community service, EDI, mitigation of climate change impacts, etc, and (ii) engagement with Open Research, /e.g./, via sharing of research via mechanisms including Open Access, preprint servers, and sharing of data, code, protocols, etc.

The evaluation committee is also instructed to take into account potential differences in access to opportunities, and to be aware of, call out and take steps to minimise, conscious and unconscious biases in their evaluations.

AWARD DETAILS

The prize winner is expected to attend the ESEB hub congress in August 2027, where they will deliver the 2026 John Maynard Smith Lecture. The Society will cover early bird member registration, accommodation, and travel expenses (economy fares). The JMS Prize comes with a monetary prize of 2,500 euro , the invitation to write a review for the /Journal of Evolutionary Biology/, and the possibility of a Junior Fellowship of 6 months at the Institute of Advanced Study in Berlin, Germany. For more information on the Institute of Advanced Study see https://www.wiko-berlin.de/en/ Previous winners of the JMS Prize are listed at the ESEB web site: https://eseb.org . Sincerely, Deepa Agashe ESEB Vice-President**

ESEB Office <office@eseb.org>

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ESEB GlobalEvolBiolInitiative CallForProjects

ESEB Global Evolutionary Biology Initiative- Call for Projects

ESEB aims to foster the development and integration of local evolutionary research communities from regions outside of the traditional strongholds of the discipline, and their links with the evolutionary biology community in Europe. To address this need, the Global Evolutionary Biology Initiative (GEBI) can provide financial, organisational and strategic support.

GEBI now welcomes applications to support new projects in line with its aims (examples include meetings to establish or strengthen local researcher networks, conducting hands-on workshops to disseminate new tools or methods, or developing curricula for teaching).

The deadline for this call will close on 01 March 2026.

Applications should include a concise (up to two pages) description of the proposed activity and a detailed budget (in particularly specifying how the requested GEBI contribution will be used). Actions fostering evolutionary biology in the long term are particularly appreciated, and applicants are encouraged to describe how their proposals may reach this long-term objective. Maximal allowance is 10,000 euros per project. Information on previously supported events is available at https://eseb.org/prizes-funding/global-evolutionary-biology-initiative/events-supported-by-gebi/ . Actions based in Western and Northern Europe, USA, Canada, Australia, New Zealand and Japan are not eligible for support by GEBI. Actions that are already covered by other ESEB initiatives/committees, e.g. outreach activities or travel grants to individual students or researchers for attending workshops or conferences are not eligible for support byï¿½GEBI. Previously funded proposals are welcome to apply for further project development but will compete with new proposals. New proposals will have priority, if ranked equal. Proposed activities should be completed by April 2027.

Proposals should be addressed to *office@eseb.org* <mailto:office@eseb.org>*(subject: GEBI 2026)*. 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.

The GEBI committee

Nina Sletvold, Co-chair Efe Sezgin, Co-chair Leonardo Bacigalupe Hannah Dugdale Simone Immler Mehmet Somel

Dr. Ute Friedrich | Office Manager |ï¿½Email: office@eseb.org European Society for Evolutionary Biology| Homepage: eseb.org

ESEB Office <office@eseb.org>

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ESEB TravelAward DeadlineJan30

ESEB Conference Travel Award 2026

The ESEB Conference Travel Award 2026 stipends are for students and young scientists who are professionally based in countries with a low GDP to attend the European Meeting of PhD Students in Evolutionary Biology (EMPSEB) < https://-empsebconf.github.io/ > in Oberwiesenthal, Germany, on June 8ˆth -12th 2026, or the Evolution meeting < https://www.evolutionmeetings.org/ > of ASN/ESEB/SSB/SSE in Cleveland, OH, US, on June 20ˆth -24ˆth , 2026. The stipend will contribute to covering travel, living expenses, and early bird congress registration fees. The funds will be paid out as a reimbursement after the meeting, based on the specification of the expenses.

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: 30 January 2026.

Expected decision by the end of February 2026.

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 young lecturers). * Scientists working in a country with a high GDP are not eligible. High income countries are classified due to the map of the World Bank at https://blogs.worldbank.org/en/opendata/world-bank-country-classifications-by-income-level-for-2024-2025 . * 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. Please note that being chosen for a travel award does not guarantee acceptance of a poster or talk at the conference, that the stipend will be given based on receipts, and that participation is mandatory in order to receive it.

/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 Evolution meeting 2026, 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 2026*).

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 at the meeting will support the attendant's professional goals; * and a short CV.

Please submit the application as a single PDF-File.

A support letter from the applicant's advisor/mentor/senior colleague is also required. Support letters should be send to the same email address (office@eseb.org) by the applicant's mentor *by the deadline*.

European Society for Evolutionary Biology https://-eseb.org Email: office@eseb.org

ESEB Office <office@eseb.org>

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Evolution2026 InternationalTravelStipends

The Society for the Study of Evolution offers the International Travel Stipends to provide funding to attend the Evolution 2026 meeting (https://-www.evolutionmeetings.org/) in Cleveland, OH, USA on June 20-24, 2026. Recipients receive meeting registration and funds for transportation to the conference, meals, and lodging. All career stages are eligible, and preference will be given to students and early-career researchers.

Applications are now open. Apply by January 30: https://www.evolutionsociety.org/-content/society-awards-and-prizes/travel-awards.html#internatltravelsupp communications@evolutionsociety.org

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EvolutionEducation and OutreachGrants

The Society for the Study of Evolution (SSE) Education and Outreach Committee is now accepting proposals for the Small Grants Program for Local and Regional Outreach Promoting the Understanding of Evolutionary Biology.

These grants provide support for local and regional educational outreach activities to take place during 2026. Examples of past outreach activities have included public lectures, exhibits, student competitions, and professional development events for teachers.

Grants up to $1000 USD will be awarded. Applicants must be members of SSE. The deadline to apply is March 2, 2026.

Learn more about these grants and how to apply on the SSE website: https://shorturl.at/-I8HqO *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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GenomicHistory Inference StrategiesTournament EndsDec1

The 2025 Genomic History Inference Strategies Tournament (GHIST) is live at https://ghist.bio! To celebrate the publication of the GHIST 2024 paper in Molecular Biology and Evolution (https://doi.org/10.1093/-molbev/msaf257), we are extending the submission deadline to December 1st, 2025.

There are many ways to infer population history, natural selection, or other evolutionary properties from genomic data, and it is often unclear which methods work best for which tasks. GHIST is an annual forum for the community to test inference approaches in an unbiased fashion. Each year, the GHIST organizers release simulated population genomic data sets and host a competition to infer various aspects of the processes that generated those data. From the submissions, the community will learn what approaches perform well or poorly in particular circumstances. And it is a great training opportunity! Top competitors will be invited as coauthors on the publication describing the year's competition and earn cash prizes.

This year, GHIST consists of 5 demographic history inference challenges and 4 selective sweep detection challenges. You can use whatever approach you prefer to tackle each challenge.

For questions, please contact Ryan Gutenkunst <rgutenk@arizona.edu>.

"Gutenkunst, Ryan N - (rgutenk)" <rgutenk@arizona.edu>

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GlobalOnline DigitalLearningStudy

Researchers at the University of Bern are running a digital learning experiment to understand whether interactive web apps help biology students become better modellers in evolution, ecology, & population biology.

We need evolution lecturers to help us recruit bachelor (i.e., undergraduate) student participants by advertising our study to their students.

The study is run by Dr. Stephan Peischl and Dr. Ana-Hermina Ghenu in collaboration with a researcher in psychology of digital learning, Dr. Sandra Grinschgl. It is ethics-approved, pre-registered, and funded entirely by the University of Bern. The experiment takes ˜30 minutes for participants to complete, and they receive 5 Swiss francs (˜6 USD) compensation, as approved by our ethics board.

More information about our study can be found at our website:

https://peischllab.github.io/MEEW.html Please contact ana-hermina.ghenu@unibe.ch to receive the material for advertising via your teaching platform, showing in class, or printing.

Kind regards,

Ana-Hermina Ghenu (ana-hermina.ghenu@unibe.ch)

project leader

Interfaculty Bioinformatics Unit, UniversitïÂ¿Â½t Bern

“ana-hermina.ghenu@unibe.ch” <ana-hermina.ghenu@unibe.ch>

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LookingDownTheTree

I’m sharing this with the Evolution community because I think it would be of interest to many of your students. It is accessible to a broad audience - written at the high school grade level - but is also a serious treatment of topics as it includes more than 100 citations of the primary literature. It integrates information from paleontology and human genomics, and covers a number of general topics in evolutionary biology including phylogenetics, gene trees and coalescence theory, inbreeding, inclusive fitness, genetic correlations, evolutionary constraints, cultural evolution, and natural and sexual selection. It has been endorsed by leading evolutionary biologists:

Mitch Cruzan’s research is on evolutionary processes in plants, but he has studied in depth the published research on the fossil record and genetic aspects of human evolution.— His clear description of how our species evolved, and how this accounts for unique human characteristics, is peerless.— I found his treatment fascinating and deeply rewarding. Douglas Futuyma, Distinguished Professor Emeritus Department of Ecology and Evolution Stony Brook University

An entertaining and informative exploration of the evolutionary journey that led to us. Jonathan Losos Professor of Biology Washington University, St. Louis

How modern humans evolved is among the most scientifically interesting â€and the most socially contentious â€topics in all of science. Drawing on the full toolkit of contemporary evolutionary biology, Mitchell Cruzan’s Looking Down the Tree offers a succinct, lively, and provocative account of human evolution. Glenn Branch, Deputy Director, National Center for Science Education.

Now available in print: Looking down the Tree - The Evolutionary Biology of Human Origins < https://a.co/-d/63RdP2m >, by Mitch Cruzan, Oxford University Press, October, 2025.

Mitch Cruzan, Assistant Chair Department of Biology Portland State University https://cruzanlab.com/ @mitchcruzan.bsky.social

Books authored:

/Looking Down the Tree - The Evolutionary Biology of Human Origins/ Oxford University Press (available late summer 2025)

/Evolutionary Biology - A Plant Perspective/ Oxford University Press 2018

Mitchell Cruzan <cruzan@pdx.edu>

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Montpellier Internship YeastEvolution

Genetic Determinants of Carbon Metabolism Adaptation in Saccharomyces cerevisiae

Host laboratory: This six-month master's internship will begin in early 2026 and will take place at the UMR SPO (Sciences pour l'Ånologie), within the LIGEM team (Yeasts: Interaction, Genetics, Ecology and Metabolism), located on the Institut Agro Montpellier campus.

Supervisors : - Virginie Galeote, Research Scientist (INRAE) : virginie.galeote@inrae.fr

- Hugo Devillers, Bioinformatics Research Engineer : hugo.devillers@inrae.fr

- Coline Nazet, PhD student (INRAE) : coline.nazet@inrae.fr

Project description:

Climate change is reshaping the wine industry. Warmer conditions lead to grapes with higher sugar and lower acidity, resulting in wines with higher alcohol levels and reduced freshness. These shifts can cause microbial and sensory imbalances, challenging the stability and quality of wines.

During alcoholic fermentation, Saccharomyces cerevisiae converts grape sugars into ethanol and COâ while producing a variety of metabolites that influence wine character. Among them, organic acids, derived from the central carbon metabolism (CCM), play a key role in acidity, flavor perception, and the progress of malolactic fermentation. Understanding how yeast genetics shape this metabolic network could offer new solutions for climate adaptation in oenology.

This project aims to validate the genetic determinants underlying variations in the production of organic acids, particularly succinic acid, in S. cerevisiae identified by a genome-wide association study (GWAS) conducted on more than 500 yeast strains (in collaboration with UMR GMGM, Prof. J. Schacherer).

Candidate validation will be performed through allelic replacement using CRISPR-Cas9 (96-192 genetic constructs). Engineered strains will be phenotyped under oenological conditions using micro- and tube-scale fermentations in synthetic grape must. Growth and metabolite production will be monitored via optical density and HPLC respectively. The most relevant strains (˜30) will be further characterized at a larger scale using automated fermenters, enabling detailed kinetic and metabolic profiling.

This work will provide new insights into the genetic basis of yeast metabolic diversity, offering perspectives for adapting fermentation processes to climate change and improving wine balance and quality.

Keywords: yeast, microbiology, molecular biology, genetics, CRISPR-Cas9, phenotyping

Main methodologies: Microbiology (cell culture), molecular biology (nucleic acid extraction, yeast/bacteria transformation, plasmid construction), fermentation implementation and monitoring, analytical methods (HPLC), statistical data analysis (R), etc.

Internship conditions

-Duration: 6 months

-Location: UMR SPO, Institut Agro Montpellier (La Gaillarde campus)

Candidate profile:

Applicants should have basic knowledge of microbiology (sterile techniques), molecular biology, and some experience or interest in data analysis using R.

Virginie GALEOTE Chargée de Recherches / Research Scientist Equipe LIGEM (Levures : Interactions, Génétique, Ãcologie et Métabolisme) INRAE, UMR1083 Sciences pour l'oenologie Bat 28, 2 place Pierre Viala 34060 Montpellier cedex 02 France Tél. : +33 (0)4 99 61 21 10/ +33 (0)6 66 69 44 28 Fax : +33 (0)4 99 61 28 57

http://ww6.montpellier.inra.fr/spo/ Virginie Galeote <virginie.galeote@inrae.fr>

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PercySladenFund SmallFieldworkGrants

The Percy Sladen Memorial Fund is a charity associated with the Linnean Society of London that offers small travel & subsistence grants (up to 2000) for fieldwork in Natural History (anthropology, archaeology, botany, geology, palaeontology and zoology). There are two application deadlines per year: 30th January and 30th September. Prospec-

tive applicants should email the fund's secretary, Elizabeth Rollinson,erollinson13@gmail.comfor an application form in good time before a deadline. With regret, the fund does not support conference attendance, visits to institutions, training, PhD students who have not submitted their dissertations or student studiesthat are part of student projects (undergrad, masters or PhD). Further information can be found here:Percy Sladen Memorial Fund Grants | The Linnean Society .

Prof. J.M. Pemberton Institute of Ecology and Evolution School of Biological Sciences University of Edinburgh Charlotte Auerbach Road EH9 3FL

tel 0131 650 5505

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

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ScienceFoundation NewFundingOpportunity

The Science Foundation, a new non-profit, non-partisan organization, is running an inaugural competition to fund approximately five to ten up to $10,000 research projects in all domains of basic science. SciFdn ("Sci Fund") was founded by an evolutionary ecologist and a software engineer and we are led by scientists (see recent article in Nature https://science-foundation.org/nature-will-the-public-support-basic-science-a-new-non-profit-aims-to-find-out/). SciFdn is seeking to (i) support the basic science research ecosystem, (ii) increase public visibility and engagement with science, and (iii) experiment with new, efficient ways of evaluating proposals.

There are three ways you can get involved!

1–Apply to our "What IfsÂ?" competition; open to any level of experience, with applications mainly through a 3-minute video pitch. Institutional affiliation and publication record are not criteria for success. Deadline: December 1st or when 200 submissions are received, whichever comes first. RFA details and application link: https://science-foundation.org/what-ifs-2025/ 2–Apply to be a reviewer for "What IfsÂ?"! We are seeking (a) faculty in all areas of science and (b) science teachers to help evaluate applications based on Scientific Merit and Sparking Curiosity. Reviewer invitation and application link: https://science-foundation.org/what-ifs-2025-request-for-reviewers/

3–Follow us online and share with your networks! Substack: https://scifdn.substack.com/ LinkedIn: https://-www.linkedin.com/company/scifdn/

Questions? info@science-foundation.org

Maren Friesen <maren.l.friesen@gmail.com>

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SMBE IDEA ProposalCall

Call for proposals - SMBE IDEA 2026 (last week to apply)

The SMBE IDEA (Inclusion, Diversity, Equity and Access) task force, aims to address systemic racism, sexism, colonialism and other exclusion in our SMBE society. With this in mind, SMBE is funding initiatives to reduce inequities in molecular biology and evolution research. We would like to invite members of SMBE to propose initiatives for the year 2025/2026. Three categories of awards are available:

IDEA (up to $25k) Non-Parachute Science (up to $10k) Outreach (up to $10k)

More info:smbe.org/idea-initiatives

Initiatives could include (but are not restricted to) workshops, symposia, training opportunities, stand-alone featured talks, or inequity data collection in particular groups, countries, or regions. We especially encourage initiatives that could be sustainable beyond the funded year. We welcome proposals that require full or partial funding (budget justification needs to be provided). Special emphasis will be given to projects that directly benefit the members of the SMBE society.

Timeline:

10 October - Submit your initial description via this form: https://docs.google.com/forms/d/-e/ 1FAIpQLSdGRHX9HspfcRAZ0X2VeZiBL 7zZSyrN-fgSypPcCzSAok_tK4w/viewform 31 October - Notification of project pre-selection. 14 November - Full project submission 15 December - Notification of results

SMBE IDEA taskforce <smbe.idea@gmail.com>

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SocStudyEvol GouldPrize PublicUnderstandingEvolSci

The Society for the Study of Evolution (SSE) Education and Outreach committee invites nominations for the Gould Prize, which recognizes individuals whose sustained and exemplary efforts have advanced public understanding of evolutionary science and its importance in biology, education, and everyday life in the spirit of Stephen Jay Gould. The recipient will present the public Gould Prize plenary at the in-person portion of the 2026 Evolution meeting in Cleveland, OH, USA.

Learn more and submit your nomination here: https://-shorturl.at/jornc Deadline: January 15, 2026

SSE Communications <communications@evolutionsociety.org>

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SSE THHuxleyAward CallForNominations

The Society for the Study of Evolution Education and Outreach Committee is pleased to announce the call for applications for the 2026 T.H. Huxley Award, named in honor of Darwin's very public supporter.

This award recognizes and promotes the development of high-quality evolution education resources. If you have an interesting project or educational activity to share, consider applying for this award. You must be an SSE member to apply. Graduate students and postdoctoral fellows are encouraged to apply.

This award provides funding for the recipient to present an evolution education resource at an education-focused session or conference approved by the Huxley Committee (e.g., education session at the annual Evolution meeting or the annual National Association of Biology Teachers conference).

Applications are due February 2, 2026.

Learn more and apply here: http://-bit.ly/2kP2pPM SSE Communications <communications@evolutionsociety.org>

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UndergraduatesAtEvolution Cleveland Jun20-24

Applications are now open for the Undergraduate Community at Evolution program for undergraduate students interested in attending the in-person portion of the Evolution 2026 meeting in Cleveland, OH, USA on June 20-24, 2026 (www.evolutionmeetings.org). The program is co-sponsored by the meeting's participating societies: the Society for the Study of Evolution (SSE), the American Society of Naturalists (ASN), and the Society of Systematic Biologists (SSB).

At the meeting, awardees will present a poster, receive mentoring, and participate in a professional development workshop. Awardees will receive conference registration, round-trip airfare, accommodations, a meal stipend, and a ticket to the Super Social.

This is a program of the SSE Education and Outreach Committee. Learn more about how to apply and read about previous participants' experiences on our website:

https://www.evolutionsociety.org/content/education/-undergraduate-community-at-evolution.html Deadline: January 20, 2026

SSE Communications <communications@evolutionsociety.org>

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USCanada Online PaidEvolEducationStudy

Dear colleague,

We are a group of evolutionary biologists and biology education researchers conducting a collaborative research project to understand the impacts of inclusive evolutionary biology educational materials on biology undergrad-

uates, with the hope that these materials enhance awareness of the misapplications of evolutionary concepts to human society by students. Our interdisciplinary collaboration, known as the Resources for Inclusive Evolution Education (RIE2) group, has generated teaching modules that take a new approach to presenting several complex concepts in evolutionary biology.

We are explicitly looking for instructors of biology and evolution courses at US and Canadian colleges and universities to pilot our module on adaptation (found here) in spring 2026. To test the efficacy of this module, we have designed an experiment that manipulates the module to feature either traditional examples of adaptation (e.g., bird bills/beaks) or examples that ask students to consider how adaptationist thinking may be misapplied to humans during the second part of instruction.

If you are interested in participating in this study, we will ask you to use approximately one week of your course (2-3 classes) to implement our module on adaptation and have students fill out a survey that characterizes their experiences with the module before and after interacting with the provided course material.

Selected instructors will receive $250 compensation for full participation.

For more information about this study, please read the attached information letter. If you are interested in participating as an instructor in this study, please fill out the survey below to express your interest by December 12th, 2025:

https://sunybuffalo.qualtrics.com/jfe/form/-SV_1ZYMiROU7fkhcbk Priority will be given to instructors who express interest by December 12th, but we will consider other applications on a rolling basis. We will meet with all instructors teaching these modules in early January 2026.

To help spread the word, please forward this message to any instructors of introductory biology or evolution classes in your biology department.

Thank you for helping with our efforts to improve evolutionary biology education in undergraduate classrooms, and please reach out with any questions. We look forward to hearing from you.

All the best,

Nancy Chen, Assistant Professor, University of Rochester (starting 2026: UCLA) Robin Costello, Assistant Professor, University at Buffalo Kiyoko Gotanda, Assistant Professor, Brock University Carolyn Graham, Postdoctoral Researcher, University at Buffalo Suegene Noh, Associate Professor, Colby College Yaamini R. Venkataraman, Assistant Professor, Santa Clara University

Carolyn Graham, PhD She/her/hers Postdoctoral Researcher Costello Lab University at Buffalo https://-cdkgraham.wixsite.com/carolyn-graham Carolyn Graham <graham29@buffalo.edu>

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UWMadison EvolEarlyCareerAward CallForApplications

Greetings evolution community,

The J.F. Crow Institute for the Study of Evolution at the University of Wisconsin-Madison is excited to announce that applications are now open for the 2026 Early Career Award!

Are you a graduate student or postdoc who studies evolutionary biology? If so, we invite you to apply for our 2026 Early Career Award.

Applications will be open until December 15th, 2025 (11:59p CST).

Please see our website for more information on award eligibility: https://evolution.wisc.edu/seminars/-early-career-seminars/ .Questions? Email ubbelohde@wisc.edu.

Apply here: https://docs.google.com/-forms/d/e/1FAIpQLSfC9h-9_vFiRZ240XFzzKOQ_WfuMI2EGFhD-6xbzxYXliH1IQ/viewform . Best, The Crow Institute / Wisconsin Evolution

Nathaniel Sharp <nathaniel.sharp@wisc.edu>

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Bolzano Italy PlantInsectSymbiontCLSM

We are looking for a researcher to work on the project "Cell imaging laboratory for investigating plant stress factors - ZIMPS". The position is funded for 18 months and is renewable for additional 18 months.

The project evoldir@evol.biology.mcmaster.ca

The Free University of Bozen-Bolzano is located in one of the most fascinating European regions, at the crossroads between the German-speaking and Italian cultures. Its trilingualism in teaching and research, its high level of internationalization as well as an ideal study environment guaranteed by its excellent facilities are some of the reasons why unibz regularly reaches top positions in national and international rankings. We are member of the Competence Centre for Plant Health, a joint institution which consists of several research groups in the field of Biology, Agricultural Sciences and Engineering. https://www.unibz.it/en/home/research/-competence-centre-plant-health. We are young and dynamic research groups studying various aspects of insect-microbe interactions (http://hschuler.people.unibz.it), plant developmental genetics (Simon Unterholzner) and plant-microbe-interactions (Tanja Mimmo, Luigimaria Borruso).

We are looking for an enthusiastic candidate with a strong background in imaging especially CLSM imaging in plants and insects. Competences with molecular approaches as well as experience with imaging data analysis are desired.looking for a researcher to work on the project "Cell imaging laboratory for investigating plant stress factors - ZIMPS". The position is funded for 18 months and is renewable for additional 18 months.

General requirements for the position: PhD degree in Biological, Agricultural Sciences, Agricultural Biotechnology with a multidisciplinary profile. The candidate should have excellent communication skills and should be fluent in English.

The project is expected to start in April 2026, but the starting date is negotiable.

Application deadline is 12.12.2025 (noon)

For informal inquiries, and for questions about the hiring process, please contact Hannes Schuler hannes.schuler@unibz.it or Simon Josef Unterholzner SimonJosef.Unterholzner@unibz.it

All documents for the application procedure can be found here: https://www.unibz.it/en/home/position-calls/positions-for-academic-staff/8044-allgemeine-und-angewandte-entomologie-prof-schuler-hannes?groupp

Prof. Hannes Schuler Competence Centre for Plant Health Faculty of Agricultural, Environmental and Food Sciences

Free University of Bozen-Bolzano Universitätsplatz 5 I-39100 Bozen-Bolzano Tel: +39 0471 017648 <tel:+390471017648> http://hschuler.people.unibz.it Schuler Hannes <Hannes.Schuler@unibz.it>

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ColoradoStateU EvolGenomics

Postdoctoral position(s) in evolutionary physiology and genomics at Colorado State University.

Keywords: Genomics; single cell genomics; evolution; reproduction; human disease; adaptation; pregnancy; evolutionary physiology

The Wilsterman Lab (Colorado State University) and Sudmant Lab (UC Berkeley) are seeking a joint postdoc to research the single cell evolution of the placenta and adaptation to altitude in deer mice. The Wisterman Lab studies the evolutionary and physiological processes that determine reproductive success in mammals. Our research is highly integrative at the level of the whole organism, with a particular focus on the placenta and its role in shaping maternal and fetal physiology. The Sudmant lab studies genetic and molecular phenotypic diversity at both the organismal and cellular level. We study the evolution of genome structure and cellular diversity.

We are seeking a postdoc to work on a fully funded NIH project to understand cell-type specific evolution of the placenta using deer mice as a model. Human populations vary in their susceptibility to hypoxia-associated gestational complications: Populations that have adapted to high elevations over many generations (e.g., Tibetans and Andean Quechua) are at decreased risk for complications like fetal growth restriction. These population-specific protections are thought to be driven by adaptations that alter hypoxia responses at the cellular level. Deer mice (Peromyscus maniculatus), a model system in evolutionary biology, offer an experimentally-tractable system for dissecting the genetics and physiology of hypoxia-associated gestational complications with both highland- and lowland-adapted populations. This project seeks to 1) Identify how individual cell types contribute to population-specific hypoxia responses in the placenta and 2) Dissect the regulatory variation that underlies transcriptional response to hypoxia within cell types. The project is a collaboration between the Sudmant and Wilsterman Labs and the postdoc will be hosted at UC Berkeley.

The position is fully funded (initial 12-month appointment, extendable) with a competitive salary scale. The ideal candidate will have computational experience and experience with rodent models or other non-traditional mammalian models. Our labs share a commitment to the idea that science should be fun, inclusive, collaborative, and open. Start date of spring/summer 2026 preferred.

Required qualifications:

Ph.D. or equivalent in physiology, biology, genomics, or related fields and demonstrated record of productivity and publications. Experience with either generating or analyzing large-scale genomic data.

Please email k.wilsterman@colostate.edu AND psudmant@berkeley.edu with your CV and a brief statement of interest for consideration.

"Wilsterman,Kate" <k.Wilsterman@colostate.edu>

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FloridaAtlanticU CoralEvolutionaryGenomics

Postdoctoral position available in the laboratory of Steve Vollmer at Florida Atlantic University, Davie, Florida

A two-year postdoctoral position is available in the Vollmer Lab at Florida Atlantic University focused on the evolutionary genomics of corals, including the genomics of disease resistance and thermal resilience, speciation genomics, pangenomics, demographic modeling, and coral host-pathogen interactions.

Ideal candidates will have a strong computational genomics background with proficiency in population genomic analyses and bioinformatics pipelines, and a successful publication record. Knowledge of reef corals is a plus. The position will be based on FAU's Fort Lauderdale campus in Davie FL. The lab group will work closely with our research partners in the Florida Keys, Panama and Bonaire.

The Vollmer lab is part of FAU's School of Environmental, Coastal, and Ocean Sustainability (ECOS), providing our postdocs with access to Florida's coral reefs, the Everglades, and urban coastal communities a living laboratory for environmental research and world-class research facilities.

The position offers competitive salary and benefits, is available immediately, and is open until filled.

To apply, send CV, research statement describing rele-

vant experience and future research interests, and contact information for three references to Steve Vollmer at svollmer@fau.edu.

Cheers, Steve Steve Vollmer, Ph.D.

Director | School of Environmental, Coastal, and Ocean Sustainability (ECOS) Professor | Department of Biology |Charles E. Schmidt College of Science Florida Atlantic University | 3200 College Avenue, Davie West | Davie, Florida

Google Scholar < https://scholar.google.com/-citations?user=ww1DGUEAAAAJ&hl=en >| GitHub < https://github.com/svvollmer >| LinkedIn < http://www.linkedin.com/in/steve-vollmer-766297222 >

Glasgow MicrobiomeGeothermalSticklebacks

We have an opening for a postdoc position (Research Assistant in UK terminology) within the Parsons lab where we study the evolutionary divergence of sticklebacks in relation to geothermally warmed waters. Information on the study system can be found in recent publications: https://www.biorxiv.org/content/-10.1101/2025.02.17.638600v1 https://doi.org/10.1002/-ece3.10907 https://doi.org/10.1093/evolut/qpac018

You will be based at Glasgow and contribute to a BBSRC funded project: Mechanisms of gut-brain axis involvement in ectotherm thermotolerance: how the gut brain axis helps animals weather the heat? working with Kevin Parsons (Glasgow), and co-PI Alexandre Benedetto (Lancaster) as well as collaboration with Jason Chin (Queen's University Belfast) and Phillip Donkersley (Lancaster).

The successful candidate will join this team and focus on thermally-driven variation in microbiomes associated with threespine stickleback populations inhabiting geothermally-warmed habitats. However, this is part of a much larger project which aims to test for common core microbiota related to thermotolerance across a range of species (e.g. worms, bees, fish). Experiments and analysis will operate within an evolutionary framework to provide a deeper understanding of microbiome function, and will contribute to a broader insight into how populations of ectotherms could respond to climate change. The successful candidate will be expected to contribute to the formulation and submission of research publications as well as help manage and direct this project as opportunities allow. Specifically, the project will develop a unique natural gut microbial collection and identify gut microbes with thermoprotective potential. Approaches will involve shotgun-metagenomics, assisting with the isolation and cultivation of gut bacteria associated with heat adaptation, identifying genetic and developmental variation associated with heat adaptation, experimental manipulations of gut bacteria, and identification of gut/brain gene-expression changes associated with heat adaptation.

More details and formal processes can be found here: https://www.jobs.gla.ac.uk/job/research-assistant-70 We seek candidates who excel at teamwork to join a social and friendly team of researchers within the Parsons' lab. Field work will take place in Iceland will collaborators at Holar University, with regular meetings with team members in Lancaster and Belfast. The position will provide the candidate with an exciting range of skillsets, working with microbiologists, ecologists, and evolutionary biologists.

Closing date:

24 November 2025 at 23:45 (UK time)

Please be in touch @ kevin.parsons@glasgow.ac.uk for any questions

We welcome international applicants and assistance with work visas is provided by the university.

Dr. Kevin Parsons Editor in Chief - Evolutionary Biology School of Biodiversity, One Health, and Veterinary Medicine University of Glasgow

Phone: +44 (0) 0141 330 5974

https://sites.google.com/site/kevinparsonslab/home http://www.gla.ac.uk/researchinstitutes/bahcm/-staff/kevinparsons/ Kevin.Parsons@glasgow.ac.uk

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Hannover TiHo EvolutionBiodiversity

The Institute of Zoology, University of Veterinary Medicine Hannover, Germany has a vacancy for a

Postdoctoral researcher (E13/E14 TVL 100%)

to work collaboratively in research and teaching. This is a postdoctoral position that should lead to further qualification. The position is initially limited to three years and can be extended if the applicant wishes to pursue a habilitation.

Tasks: development of independent research projects (including the acquisition of third-party funding), the contribution to general institute tasks and participation in university self-administration. Participation in teaching, in particular in the course "Spezielle Zoologie und Zoologische Ãbungen" for veterinarian students (taught in German) and in modules of the Master's program "Animal Biology and Biomedical Sciences" (taught in English), is expected (4 SWS).

Focus areas: Development and implementation of your own research projects on vertebrates in the fields of evolutionary biology, biodiversity research, or behavioral biology, preferably also with molecular/genomic components and/or ecological modeling expertise. Experience in biostatistics is a plus. Co-supervision of theses in veterinary medicine and biology (bachelor's and master's theses, doctoral theses). Acquisition of third-party funding, data analysis and scientific publication work. Collaboration in lectures, courses, and seminars in all areas of zoology.

Prerequisites for application: completed studies in natural sciences and a doctoral degree on a zoological or evolutionary biology topic. Experience in research and teaching is desirable. International scientific publications and successful acquisition of third-party funding are expected.

Depending on qualifications, payment will be according to E 13 or E 14 TV-L.

Disabled applicants with equal qualifications will be given priority.

Please send your informative application to the Institute of Zoology at the University of Veterinary Medicine Hannover, D-30599 Hannover, Bünteweg 17, email: sandra.hamacher@tiho-hannover.de, by December 15, 2025, at the latest.

"Pröhl, Heike" <Heike.Proehl@tiho-hannover.de>

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Madrid MicrobialEvolution

Postdoc in Computational/Experimental Evolution (Madrid)

We are seeking a highly motivated early-career researcher to apply with us for the upcoming Juan de la Cierva postdoctoral fellowship, funded by the Spanish National Research Agency (AEI). This is a prestigious, competitive scheme aimed at researchers within two years of their PhD who show clear potential for an independent scientific trajectory. The proposed project will go along the lines of investigating how mutation and recombination biases affect evolutionary outcomes in bacteria (see for instance; Couce 2019, Nat Comm; Couce 2024, Science; Dabos 2025, Nat Eco Evo). Depending on the candidateÂÂs background and interests, the proposal may take one of two main directions:

- Experimental evolution: multiplexed genome engineering and pooled competitions to test evolutionary predictability.

- Computational evolution: comparative genomics and modeling to quantify the impact of mutation/recombination biases on predictability.

The Fellow will be hosted in the Evolutionary Systems Genetics of Microbes lab at the National Centre for Biotechnology (CNB-CSIC) in Madrid. The fellowship provides a 3-year contract, with a competitive salary (~ÂÃ30.6k/year), full Spanish national social security coverage (healthcare, parental leave, unemployment, pension), and a budget for conference travel and professional development. The call will be open from 25 November to 17 December 2025.

Eligibility (MUST READ; strict, candidates not fitting the eligibility criteria will not be considered)

- PhD awarded between 1 January 2024 and 31 December 2025 (extensions for parental leave, serious illness/disability, or care-giving apply).

- A very strong publication record is essential. The call is extremely competitive, and candidates must have ÂÃ2 first-author research articles in top-tier journals (e.g. best-in-field specialist or reputed multidisciplinary

venues; reviews and opinion pieces do not count).

- International mobility is also required. The candidate must have demonstrable international experience (e.g. a research stay abroad during the PhD, or their current postdoc in a different country from where they trained).

How to Apply: Please send a single PDF containing a cover letter and CV to Alex Couce (a.couce@upm.es). Shortlisted candidates will be asked to provide contact information for two references. Include ÂÂºJdC.MicrobialEvolutionÂÂ± in the subject line. The call is highly competitive; only candidates truly meeting ALL requirements will be considered.

Dr Alejandro Couce Evolutionary Systems Genetics of Microbes Lab Centre for Plant Biotechnology and Genomics (CBGP, UPM-INIA) Polytechnic University of Madrid, Spain

phone: +34 910679195 | website: short.upm.es/evolsysgen

A Couce <a.couce@upm.es>

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

MPI-EvolBiol Germany PolygenicAdaptation

A Postdoctoral position is available in Evolution of Polygenic Traits Research Group at the Max Planck Institute for Evolutionary Biology- Plï¿½n, Germany. Our group studies the genetic basis of adaptation in complex traits. We take a multidisciplinary approach, integrating temporal genomic and high-throughput phenotypic data from experimental evolution in highly replicated Drosophila populations with theoretical models and computer simulations.

Adaptation of complex traits is assumed to occur through subtle frequency changes at many loci following a shift in the trait optimum, i.e. polygenic adaptation. Many factors, such as population size, pleiotropy and genetic redundancy among contributing loci, affect adaptation. The successful postdoc will be involved in a project that aims to investigate the genetic architecture of a polygenic trait, embryo size in Drosophila, and to study the effect of distance to trait optimum on the adaptive architecture. Our group has recently developed an accurate and high-throughput method for embryo size measurement using large particle flow cytometry. The postdoc will establish an experimental framework to shift the average embryo size with different intensities in replicate populations of Drosophila. The technicians will support the successful candidate for the maintenance of the experimental populations. The genetic architecture of embryo size will be determined using GWAS on several available Drosophila panels. In a parallel evolve and re-sequence (E&R) project, Drosophila populations will be experimentally evolved for larger/smaller embryo size. The postdoc will be responsible for the analysis of GWAS, and time-series genomic and phenotypic (embryo size, gene expression) data.

The position is available from the earliest possible starting date. Social benefits are based on the German Civil Service Collective Agreement (TVï¿½D Bund). The salary includes all mandatory social insurance contributions for health care, long-term care, unemployment, and retirement. The duration of postdoc is 2 years with the possibility of extension.

Qualifications: - PhD in evolutionary biology, quantitative genetics, or related field. - Strong background in quantitative genetics, solid programming skills (Python, R, etc.), and experience in handling large datasets. - A solid background in population genetics and statistics will be a bonus. - Excellent written and oral communication skills in English - We especially encourage applicants who are interested in developing their own complementary research directions.

How to apply Application should include 1) CV including a list of publications and methodological skills, 2) a statement of research interests, and 3) contact information for three references. The required application material should be sent as a single PDF to: barghi@evolbio.mpg.de. While the search will continue until the position is filled, applications should be received by December 22, 2025 to ensure full consideration.

For further inquiries, please contact the principle investigator (Dr. Neda Barghi, barghi@evolbio.mpg.de) directly.

The Max Planck Institute for Evolutionary Biology in Plï¿½n is an internationally oriented institution whose research focuses on the principles, mechanisms and effects of evolutionary change. Around 200 employees from more than 30 nations currently work at our institute in the departments of Theoretical Biology and Microbial Population Biology, as well as in a number of independent research groups.

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.

Dr. Neda Barghi Group leader Evolution of polygenic traits group Max Planck Institute for Evolutionary Biology

Plï¿½n Germany

My working hours might be different from yours, please do not feel obliged to reply outside of your normal work schedule.

Neda Barghi <barghi.neda@gmail.com>

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NewYorkU PrimateGenomics

Postdoc position at New York University Primate Genomics Application URL: https://apply.interfolio.com/-176293 More information, please, contact Dr Felipe Ennes Silva: felipe.ennes.silva@nyu.edu

A post-doctoral associate (PDA) based at New York University (NYU) is required to work on topics related to primate genomics. The study seeks to investigate the underlying genetic components of the adaptive radiation and evolution of Amazonian primates- currently, 152 primate species and subspecies, and 19 genera. The PDA will use a combination of datasets, including whole-genome shotgun sequencing and Oxford Nanopore long reads, and will be working with bioinformatics pipelines for genomic analyses, including population genomics and genome assembly. This is part of new initiatives of genome sequencing of non-human primates that include a collaborative effort of researchers and institutions from several countries. The PDA will be expected to produce manuscripts integrating and analyzing these datasets. The position is available from January 5 2026 for one year, renewable for up to three years, but later start dates are negotiable.

Qualifications A PhD in evolutionary genomics, evolutionary biology, zoology, animal biology, biological anthropology, or a related field. Evidence of active outputs, such as peer-reviewed publications and conference presentations, with some success in grant applications also preferred. The PDA may be required to do some lab work to process new samples collected in the field. Previous experience of lab work such as library preparation, DNA extraction and purification is preferred. Previous experience working directly with nonhuman primates is an advantage but not essential.

Application Instructions Applicants should submit a cover letter outlining their training, background, and suitability for the position, along with a CV and the names and addresses of 3 referees, via Interfolio. Referees will only be contacted for shortlisted applicants.

Felipe Ennes Silva <felipe.ennes.silva@nyu.edu>

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Roslin UK ForestQuantitativeGenetics

Quantitative Geneticist Forestry Commission - Forest Research (United Kingdom) Salary: ï¿½40,388 - ï¿½43,482. Appointments to Forest Research are made at the entry level of the salary quoted above except in exceptional circumstances where a candidate's experience and skills may justify a higher starting salary. Normal pay on transfer rules apply for existing civil servants. A Civil Service Pension with an employer contribution of 28.97% Job grade: Higher Executive Officer (Pay Band 4) Length of employment: This is a fixed term appointment until 31 March 2028 with the possibility of extension or permanency but no guarantee.

Working pattern: Flexible working, Full-time Location The role will be based at Northern Research Station, Roslin, Midlothian EH25 9SY (Scotland). We offer blended working which gives you the option to work some of the week from home, and some of the week from the workplace. Please be aware that this role can only be worked in the UK and not overseas.

Job summary Want to work at the cutting edge of environmental science? Passionate about making a difference and playing your part in tackling the climate and nature crisis? Forest Research is all about giving top quality evidence and advice to policymakers and practitioners to make a positive impact on the ground. Internationally recognised, we need people who have the skills and passion to work on excellent science and provide practical solutions for nature.

We're small enough that your voice is heard, yet large enough, as part of the Forestry Commission, that we have everything on hand to get the job done, as well as

a variety of career pathways. Our staff are dedicated to their work and sharing it with others to bring positive change for our planet. And you will find us a flexible and inclusive employer, so you can have a work life balance that is tailor-made to your circumstances. So, whether it's climate or carbon, pests or pathogens, behaviour or biodiversity that interests you, you can be assured of a warm welcome to the team. To find out more, visit forestresearch.gov.uk.

The Tree Improvement team was founded in 1948 and lies within the Forest Genetics science group at Forest Research. Our mission is to conduct applied research that leads to continually better genetic resources for the British forestry sector. We are a founding member of the Conifer Breeding Cooperative Ltd.

Job description The purpose of this job is to populate and initiate an advanced-generation genetic evaluation system for British conifers, using tools developed by Tree Breeding Australia for "rolling-front tree breeding". The post holder will curate and validate data and metadata from several hundred Sitka spruce and Scots pine progeny trials and enter the data into a new tree breeding database (DATAPLAN). Data will then be analysed together with new field data. The analyses will be used to estimate new national breeding values, select the next breeding generation in Sitka spruce and develop forward breeding strategies for all conifers we currently work on.

The role is part of a new project called "NextGen British Conifers" and is funded by members of the Conifer Breeding Cooperative Ltd and the Forestry Commission via the Tree Production Innovation Fund and will be delivered in partnership with Tree Breeding Australia and the Conifer Breeding Cooperative.

Key Work Areas: . Populate a breeding database (DATAPLAN) with pedigree information, metadata and data from several hundred historic and extant genetic trials.

. Carry out comprehensive spatial and multivariate quantitative genetic analyses of designed forest genetic trials and combine data across trials using the TREEPLAN genetic evaluation system for breeding programmes. Publish findings in scientific journals.

. Select the best individual trees from standing genetic trials for further breeding and production work, in accordance with industry-led selection criteria.

. Develop realistic, costed breeding plans for multiple conifer species and secure additional funding for further work.

. Represent Forest Research and the Conifer Breeding Cooperative at conferences, workshops and discussion groups, and join the Conifer Breeding Cooperative Research and Strategy Group.

. A two-to-four-week visit to Tasmania, South Australia, and New Zealand is anticipated to take place in 2027.

. Support other analytical aspects of forest genetics research on an ad hoc basis.

Person specification Essential Criteria: . Postgraduate qualification in a relevant subject such as genetics or statistics . Significant experience of mixed-models, preferably by applying quantitative genetics in animal, plant or tree improvement programmes . Skills in using or developing repeatable analytical pipelines, preferably using R and AS-REML . A proven track record of successful collaboration and skills in communicating to mixed audiences

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Shanghai GenomicsOfBacterialEcospecies

We are looking for a postdoc to work on a project at the interface between genomics, molecular microbiology and ecology.

Genomic analysis combined with laboratory phenotyping and molecular microbiology has shown that the Molassodon ecospecies of Vibrio parahaemolyticusâevolved a distinct strategy for hunting other bacteria, as described in our preprint https://www.biorxiv.org/content/10.1101/2025.06.27.661923v3 . This project seeks to identify where Molassodon and Typical strains hunt in nature, and to use this knowledge to better characterize ecospecies adaptation and its ecological drivers. To this end we have established a field site on the shore of an island near to Shanghai, where both ecospecies are found.

Candidates should have molecular microbiology skills and be motivated to address ecological questions in an integrative context. Prior experience in genomics, bioinformatics, fieldwork and microbial ecology would be welcome but are not essential. We sincerely welcome outstanding young scholars with relevant disciplinary backgrounds to join our research team.

Full advert here: http://www.simm.cas.cn/web/rcdw/-rczp/kygw/202510/t20251028_7998272.html Daniel Falush <danielfalush@googlemail.com>

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TexasAMU ComparativeGenomics

Postdoctoral position in comparative genomics at Texas A&M University

The Murphy Lab at Texas A&M University is seeking to fill a postdoctoral position broadly focused on the genomic architecture of reproductive isolation in mammals. The postdoctoral position will be located in the Department of Veterinary Integrative Biosciences and the Center for Comparative Genomics, a new campus initiative to expand faculty and research teams focused on basic and applied aspects of genomics within domestic and natural populations. The candidates must have a PhD or equivalent in the biological sciences, strong computational skills, with research experience and publications in relevant fields of comparative genomics. The postdoctoral fellow will analyze complete genomic datasets from mammalian systems to investigate the genetic architecture of sex-linked barriers to reproduction. Flexibility in the systems and questions is based on interests and experience of the applicants. Experience with natural history collections is desired. The position is initially for one year, with the possibility of extension up to three years, and comes with a competitive salary and benefits commensurate with experience. Start date is flexible.

Please apply at: https://-tamus.wd1.myworkdayjobs.com/System-wide_External/job/College-Station-TX/Postdoctoral-Research-Associate_R-088915-1 . Applicants should submit a cover letter, CV, and names and contact information of three referees.

Questions regarding the position may be directed to wmurphy@tamu.edu

Bill Murphy Distinguished Professor Center for Comparative Genomics Texas A&M University wmurphy@tamu.edu www.eutherialab.org wmurphy@cvm.tamu.edu

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TrentU ConservationGenomics

Research Scientist & Post-Doctoral Fellow on Caribou Genomics

The EcoGenomics (www.ecogenomicscanada.ca) Research Group under Principal Investigators Dr. Paul Wilson (Trent University) and Dr. Micheline Manseau (Environment & Climate Change Canada, Trent University) is recruiting a full-time Research Scientist in Molecular Genomics and a full-time Post-doctoral Fellow (PDF) in support of conservation genomics and demographics of caribou (Rangifer tarandus). A range of questions will be addressed through the targeting of regions of the caribou genome through assays on non-invasively collected specimens.

The Research Scientist position is based out of the Biology Department, Trent University, Peterborough, ON.

The PDF position is based out of Ottawa, ON at the National Wildlife Research Centre (ECCC).

Education & Experience:

The Research Scientist position requires a PhD, although highly experienced MSc candidates may be considered. Candidates should demonstrate excellent laboratory experience and knowledge in genomic methodologies including DNA extraction, PCR amplification, library preparation and sequencing on Illumina and/or Nanopore platforms; with non-PCR targeting such as hybridization capture, CRISPR and/or adaptive sampling, and methylation profiling being considered an asset. The successful candidate must further demonstrate strong writing and presentation skills as evident by proposal writing, reporting, peer-reviewed publications and conference attendance.

The PDF position in conservation genomics and demographics of caribou requires a PhD with experience in one or more of the following: demographic modelling, spatial network and pedigree analyses with machine learning being considered an asset. The successful candidate must further demonstrate strong writing and presentation skills as evident by proposal writing, reporting, peer-reviewed publications and conference attendance.

Compensation for both positions are $70,000 CAD/year minimum but are negotiable based on experience. One year of funding is guaranteed with the potential for extension based upon performance and budget.

To apply send a cover letter and CV to Dr. Paul Wilson (pawilson@trentu.ca) or Dr. Micheline Manseau (micheline.manseau@ec.gc.ca). Please note your full name and the position title in the subject line of your email (i.e. First and Last Name ??? Position Title).

Applications will be reviewed as they are received.

Start Date: Winter 2026

Bridget Redquest <bridgetredquest@trentu.ca>

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TuftsU Boston SystemsBiologyOfAging

Postdoctoral position, systems biology/biomarkers of aging

Promislow lab Jean Mayer USDA Human Nutrition Research Center on Aging Tufts University in Boston

A postdoctoral position is available in the Promislow lab at Tufts University, at the medical campus in the heart of Boston.

We are looking for a postdoctoral researcher with experience in Drosophila interested in quantitative genetics, systems biology and/or biomarker development to understand natural variation in aging. Current funded research includes the development of metabolomic biomarkers and metabolome clocks, mechanisms of non-genetic variation, social effects on aging, and mechanisms of resilience. There will also be opportunities to work on similar questions using data from the Dog Aging Project (dogagingproject.org).

We are seeking someone with a PhD in biology, genomics, computational biology, systems biology or a related field, with strong experience working with Drosophila. The ability to work extremely well in a team is essential.

RESPONSIBILITIES: The Postdoctoral Researcher will:

ï¿½Design and carry out experiments

ï¿½Coordinate metabolome and/or transcriptome data generation & analysis

ï¿½Write up and publish results

REQUIREMENTS: PhD in biology, genomics, computational biology, systems biology, or a related field.

Other required qualifications include:

ï¿½Experience in Drosophila research

ï¿½Skills in the use of the R or Python statistical environment

ï¿½Strong understanding of the statistical approaches and nuances of high-dimensional data analysis

ï¿½Strong organizational skills

ï¿½Ability to learn and integrate new analysis methods

ï¿½Excellent oral and written communication skills

ï¿½Ability and enthusiasm for working independently, and collaboratively as part of a team

DESIRED:

ï¿½Familiarity with metabolomic and/or transcriptomic profiling

ï¿½Practical understanding of the biology of aging.

ï¿½Excellent mentoring skills and desire to work with undergraduates

Interested candidates should send an email with CV, a brief statement of research experience and interests, and names of three referees to Daniel Promislow at daniel.promislow@tufts.edu no later than Dec 19, 2024.

Tufts University is committed to creating a diverse and inclusive community that respects all of its members, regardless of citizenship and national origin, race, color, ethnicity, language, sex, gender, sexual orientation, gender identity and expression, disability, and religious or veteran status.

“Promislow, Daniel” <Daniel.Promislow@tufts.edu>

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UAmsterdam MathModellingStress

Are you interested in how organisms respond to stressors in their environment? Do you enjoy working in an interdisciplinary team? The Department of Evolutionary and Population Biology (EPB) at IBED, University of Amsterdam, is looking for a skilled, responsible, and organized postdoctoral researcher to develop mathematical models of adaptive stress regulation. These models will inform empirical research with humans.

Full details here: https://werkenbij.uva.nl/en/-vacancies/postdoctoral-position-in-mathematical-modeling-of-stress-responses-netherlands-14544
"Fawcett, Tim" <T.W.Fawcett@exeter.ac.uk>

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UCalifornia Berkeley Genomics

Postdoc:UCBerkeley.Genomics

Postdoctoral position(s) in computational biology and genomics

Keywords: Genomics; single cell genomics; evolution; reproduction; ecology; human disease; computational biology

The Sudmant Lab (UC Berkeley) and Wilsterman Lab (Colorado State University) are seeking a joint postdoc to research the single cell evolution of the placenta and adaptation to altitude in deer mice.

The Sudmant lab studies genetic and molecular phenotypic diversity at both the organismal and cellular level. We study the evolution of genome structure and cellular diversity. The Wisterman Lab studies the evolutionary and physiological processes that determine reproductive success in mammals. Our research is highly integrative at the level of the whole organism, with a particular focus on the placenta and its role in shaping maternal and fetal physiology.

We are seeking a postdoc to work on a fully funded NIH project to understand cell-type specific evolution of the placenta using deer mice as a model. Human populations vary in their susceptibility to hypoxia-associated gestational complications: Populations that have adapted to high elevations over many generations (e.g., Tibetans and Andean Quechua) are at decreased risk for complications like fetal growth restriction. These population-specific protections are thought to be driven by adaptations that alter hypoxia responses at the cellular level. Deer mice (Peromyscus maniculatus), a model system in evolutionary biology, offer an experimentally-tractable system for dissecting the genetics and physiology of hypoxia-associated gestational complications with both highland- and lowland-adapted populations. This project seeks to 1) Identify how individual cell types contribute to population-specific hypoxia responses in the placenta and 2) Dissect the regulatory variation that underlies transcriptional response to hypoxia within cell types. The project is a collaboration between the Sudmant and Wilsterman Labs and the postdoc will be hosted at UC Berkeley.

The position is fully funded (initial 24-month appointment, extendable) with a competitive salary scale. The ideal candidate will have strong computational and genetics experience. Our labs share a commitment to the idea that science should be fun, inclusive, collaborative, and open. Start date spring/summer 2026

Required qualifications:

Ph.D. or equivalent in genetics, genomics, biology, computer science or related fields and demonstrated record of productivity and publications. Experience with either generating or analyzing large-scale genomic data.

Please email psudmant@berkeley.edu AND k.wilsterman@colostate.edu with your CV and a brief statement of interest for consideration.

Peter Sudmant Associate Professor Department of Integrative Biology University of California, Berkeley

psudmant@berkeley.edu

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

UGlasgow VirusPhylodynamics

You will contribute to an international collaborative project entitled "Multi-scale infection dynamics from cells to landscapes: FMD in African buffalo", working with Prof Roman Biek. This innovative NSF/BBSRC-funded project uses foot-and-mouth-

disease virus (FMDV) in African buffalo as a model to understand how phenotypic variation within virus species can explain the spread, persistence, and co-existence of viral variants. Your role will be to process virus sequence data and to contribute phylodynamic analyses and models to test how variation among variants scales up to structure viral diversity at the landscape scale, working closely with collaborators at the U Warwick (mathematical modelling) and Pirbright (virology) in the UK as well as collaborators in the USA and South Africa. The successful candidate will also be expected to contribute to the formulation and submission of research publications and research proposals as well as help manage and direct this complex and challenging project.

PLEASE NOTE UPCOMING DEADLINE - 2 DEC 2025

For informal enquiries or further information about the position, please contact Roman Biek (Roman.Biek@glasgow.ac.uk)

For more information about the larger project see https://gtr.ukri.org/projects?ref=BB/X006085/1 https://vetmed.oregonstate.edu/all-stories/fy-2023-research-highlights For more information on the University of Glasgow's School of Biodiversity One Health & Vet Medicine, please visit https://www.gla.ac.uk/schools/bohvm/ Roman Biek <Roman.Biek@glasgow.ac.uk>

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UKansas PlantTelomereGeneticsEvolution

Postdoc position in plant telomere genetics and evolution

The Choi lab (https://jychoilab.github.io/) at the University of Kansas is seeking for a postdoctoral scholar to join an interdisciplinary project that combines plant genetics, chromosome biology, and evolution. This is a NIH funded position to understand the genetics and function of telomere variation in plants, and the evolutionary forces that shapes plant telomeres.

The primary question of our lab asks why the telomeres of plants are so variable between and within species. To answer this question our lab has developed Mimulus (common name monkeyflower) as a model for studying the evolutionary genetics of plant telomeres. The postdoc will use M. guttatus to understand the genetic basis of telomeric variation and the evolutionary forces that shapes the telomere. The project will combine quantitative genetics with CRISPR and functional genomics including single cell approaches and population genomics. Our ultimate goal is to establish the genetic mechanism and evolution underlying telomeric variation.

Basic Qualifications: - Applicant should have a Ph.D. in the following or related fields: genetics, molecular biology, or evolution. - Demonstrated experience in plant biology, especially plant genetics or plant molecular biology is required. - A strong interest in evolutionary biology is necessary.

Preferred (but not necessary) Qualifications: - Experience with high-throughput sequencing and genomic data analysis is desired but not necessary. This can be taught to the candidate.

The lab is looking for someone who is personable and enthusiastic about working in a collaborative environment. Responsibilities will include contributing to ongoing research in the lab, developing independent research projects, and mentoring graduate/undergraduate students. This is a 1 year appointment with possibility of an extension. The preferred start date is late spring 2026 but it is also negotiable.

Application instructions: Applicants can email PI Jae Young Choi (jaeyoung.choi@ku.edu) that includes (1) a curriculum vitae (2) a cover letter - letter of application that summarizes your qualifications and interest in the position (3) contact information for three references

Applications will be reviewed as they are submitted and the position will remain open until filled. But please apply by December 31 2025 for full consideration.

Questions regarding the search and position may be sent to Dr. Jae Young Choi (jaeyoung.choi@ku.edu).

Jae Young Choi, PhD Assistant Professor of Evolutionary Genomics Department of Ecology and Evolutionary Biology Office: Haworth Hall 7008 University of Kansas, Lawrence, KS https://jychoilab.github.io/ "Choi, Jae Young" <jaeyoung.choi@ku.edu>

ULausanne TheoEvolBiolAndSocialInteractions

Open post-doctoral position in Theoretical Evolutionary Biology at the Department of Ecology and Evolution, University of Lausanne, Switzerland.

The postdoc will join a team working mainly on developing and analysing mathematical models to understand the evolutionary dynamics of social traits and human behavior. Interests include, but are not limited t, the evolution of preferences, cultural transmission, life-history, transition to large-scale societies, social interactions, and ESS theory.

Information about the position and how to apply can be found here: https://tinyurl.com/37uhtbne Informal inquiries should be sent tolaurent.lehmann@unil.ch

Laurent Lehmann

Laurent Lehmann <laurent.lehmann@unil.ch>

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ULeHavre France ClimateChangeEvolGenomics

Postdoctoral Position in Evolutionary Genomics and Climate Resilience We are seeking a highly motivated Postdoctoral Researcher to join the GRACE project, investigating evolutionary and genomic responses to climate change in marine species.

The successful candidate will lead genomic analyses of natural populations using SNP arrays and low-coverage whole-genome sequencing (lcWGS). They will analyze population structure, genetic diversity, and signatures of selection, and integrate genomic data with experimental phenotypes such as survival, behavior, and condition index. The postdoc will also contribute to the design and analysis of transgenerational plasticity (TGP) experiments and collaborate closely with an interdisciplinary team of scientists within the GRACE consortium.

Project context: Climate change, particularly rising temperatures, is rapidly altering ecosystems worldwide, with profound effects on biodiversity. Species living near their thermal tolerance limits are especially vulnerable, leading to shifts in distribution, behavior, and ecological interactions.

The GRACE project focuses on two sentinel species the blue mussel (Mytilus edulis) and the copepod (Eurytemora affinis) to understand the genomic and phenotypic mechanisms that underlie thermal resilience. These species are key components of marine and estuarine ecosystems in the Normandy region and serve as excellent models for studying adaptation to climate change.

Using a combination of population genomics, controlled heat-stress experiments, and transgenerational assays, the project aims to identify the molecular and phenotypic bases of thermal tolerance and adaptive potential.

Essential qualifications: [1] PhD in evolutionary biology, population genetics, genomics, or a related field [2] Strong background in population genomic data analysis (WGS, SNPs, GWAS) [3] Proficiency in R and at least one scripting language (e.g. Python, bash) [4] Solid understanding of evolutionary theory and quantitative genetics

Desirable qualifications: [1] Experience with marine or aquatic organisms [2] Familiarity with experimental evolution, transcriptomics, or phenotyping under stress [3] Excellent teamwork and communication skills [4] Publication record in the field

Position details: Location: University Le Havre Normandie (ULHN), Le Havre, France Duration: 24 months (minimum) Start date: March 1st, 2026 (flexible)

How to apply: Please send a brief statement of research interests, CV, and contact details for two referees to: bastien.saint-leandre@univ-lehavre.fr Additional information: https://umr-sebio.fr Bastien Saint Leandre <bastien.saint-leandre@univ-lehavre.fr>

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UMelbourne EvolutionBehaviour

Research Fellow in Behaviour and Ecology

Role type:Full Time; Fixed Term for 2 years Faculty:Faculty of Science Department/ School:School of Biosciences Salary:Level A: $87,266 - $118,416 (PhD Entry Level - $110,319) plus 17% super

Collaborate with leading experts on innovative research to develop an independent research program.

Apply now for this exciting opportunity to advance our understanding of animal construction behaviours and their thermal implications.

Investing in you -benefits package including salary packaging, health and well being programs, discounted services, and professional development opportunities.

The University of Melbourne We take pride in our people, who all contribute to our mission to benefit society through the transformative impact of education and research.Discover more via our website.

Your next career opportunity As a Research Fellow in the School of Biosciences,you'll join an exciting research project exploring how animals adjust their construction behaviours in response to changing environments. You'll work closely with Dr. Iliana Medina, analysing long-term datasets and investigating the thermal value of nests in birds. This role offers you the chance to develop your own research program, collaborate with researchers across institutions, and contribute to the supervision of students, all while advancing our understanding of animal behaviour and its implications in a changing world.

Your responsibilities will include:

Conduct High-Quality Research: Perform complex data analysis, potentially involving advanced statistical approaches, to contribute to the research team's efforts.

Publish Scholarly Outputs: Contribute to and publish academic papers in high-impact journals, disseminating research findings through seminars and conferences.

Supervise and Mentor: Assist in the co-supervision and training of research students at all levels, contributing to their academic development.

Contribute to Teaching: Participate in teaching, training, and scientific mentoring of graduate and honours students.

Engage in Service Activities: Actively participate in School meetings, planning activities, and committee work to support capacity building and promote diversity and inclusion.

Promote Public Awareness: Contribute to or present research to the public, elevating awareness of scientific developments and promoting critical inquiry.

You may be a great fit if: You are a dedicated researcher with a passion for animal behaviour and a commitment to advancing scientific understanding through rigorous research and collaboration.

You may also:

Possess a PhD or equivalent qualification in a relevant field, such as animal behaviour, ecology, or biology.

Have experience in conducting high-quality research, data analysis, and publishing in peer-reviewed journals.

Demonstrate strong analytical and problem-solving skills, with the ability to work independently and as part of a team.

Possess excellent communication skills, with the ability to effectively disseminate research findings.

Have experience in supervising or mentoring students, or a willingness to develop these skills.

Exhibit a commitment to diversity, inclusion, and ethical conduct in research and academic activities.

For further information please refer to the attached PD.

What we offer you! We offer the opportunity to be part of a vibrant community and enjoy a comprehensive range of benefits to support your success and sense of fulfillment, including:

Supportive flexible work arrangements underpinned by our commitment to inclusion and well-being

Progressive, considerate leave provisions to empower your work-life balance

Salary packaging and access to a range of discounted services including Bupa health insurance

Health and well-being services including a leading Employee Assistance Program

For more information check out our benefits page!

Your new team - School of Biosciences Biosciences houses 60 continuing academic staff, and more than 150 academic staff overall (including postdocs, and other research contingent staff) all working on the world's top biological challenges - from climate change, biosecurity and pollution to reproductive health and food production. Collectively members of our school lead more than 240 research projects in the general areas of ecology, evolution, zoology, marine biology, genetics, plant science, genomics, biosecurity, biological pollution, reproductive biology and data science.

The faculty of science is home to seven schools: Agriculture, Food & Ecosystem Sciences; Biosciences; Chemistry; Geography, Earth & Atmospheric Sciences; Mathematics & Statistics; Physics; and Melbourne Veterinary School. Science at Melbourne is a global leader across discovery and applied scientific research and education. Science begins with curiosity, and we are dedicated to understanding the universe from the level of sub-atomic particles to the solar system.

Be Yourself

— / —

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Please go to this link < https://nshe.wd1.myworkdayjobs.com/UNR-external/job/University-of-Nevada-Reno—Main-Campus/Postdoctoral-Scholar–Genomics-and-Bioinformatics_R0149515 > to learn more about the position and to apply.

Marjorie D Matocq <mmatocq@unr.edu>

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

UNevada GenomicsBioinformatics

Please share the following Postdoc opportunity with potential candidates.

Thank you! Marjorie Matocq mmatocq@unr.edu

The University of Nevada, Reno (UNR) seeks to hire a Postdoctoral Scholar with expertise in genomics and bioinformatics. The Postdoctoral Scholar will join a team of collaborators investigating the roles of gene duplication and introgression in how wild rodent herbivores metabolize toxins in their native plant diets. The Postdoctoral Scholar will lead all aspects of targeted and genome-scale sequencing, assembly and annotation, as well as downstream analyses to quantify copy number variation, genome-wide selection and patterns of copy number evolution, interspecific hybridization, and introgression. The Postdoctoral Scholar should have excellent bioinformatics skills for processing and analysis of large genomic datasets as well as knowledge of various population genomic and phylogenomic analyses, especially those related to identifying patterns of selection as well as detecting hybridization and introgression. The successful candidate would also ideally have molecular bench skills associated with RNA/DNA extraction, library preparation, and the ability to troubleshoot and refine protocols. This individual should be highly self-driven, have excellent data management skills, excellent verbal and written communication skills, and be able to work with a collaborative team that spans ecologists, chemists, molecular biologists, and bioinformaticians.

The Postdoctoral Scholar's research in genomics and bioinformatics will be supported by a collaborative team of mentors including Drs. M. Matocq (UNR), M. Holding (Univ. Michigan), K. Everson (Oregon State Univ.), D. Schield (Univ. Virginia), and J. Dumbacher and J. Henderson (Calif. Acad. Sci.). The position has the potential to be renewed for a second year, based on performance. Start date is negotiable, but the position is available immediately.

UNottingham CandidaGeneFlow

Postdoc in Mating and Gene flow in Candida albicans

The Ono lab in the School of Life Sciences at the University of Nottingham is seeking a postdoctoral research associate to join a project on gene flow in pathogenic fungi. The postdoctoral associate will conduct research to investigate mating and gene flow of the opportunistic pathogen Candida albicans.

This post is part of a collaborative multi-national Wellcome Trust award involving academic collaborative partners in the UK and South Africa with the aim of understanding the biology of adaptation in fungal pathogens. The post will use a combination of classical, genomic, molecular and bioinformatic techniques to investigate mating and its consequences between strains of Candida albicans, a common cause of fungal infections in humans. Specific aims are to investigate the ability of strains from different clades to mate, examine whether there are any post-mating barriers between clades, and determine the consequences of gene flow for temperature adaptation. The post holder will be expected to undertake independent research as well as work as part of a team. This will include using approaches or methodologies and techniques appropriate to the type of research, and they will be responsible for writing up their work to contribute to published outcomes.

The role holder will have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

Candidates must hold a PhD, or be near to submission of a PhD, in a relevant field of Microbiology or Evolutionary Genetics, ideally involving Fungal Biology. They must understand microbial laboratory practices and have existing skills in microbial culture. They must be familiar with molecular biology techniques (e.g. DNA

extraction, electrophoresis and PCR) including transformation and possess genomic and statistical analysis skills. Previous experience of working with microbes is essential, with experience of yeast, and especially Candida species, highly desirable.

To apply for the post please visit https://-/jobs.nottingham.ac.uk/Vacancy.aspx?id=-53421&forced=2 The closing date for applications is 1 December, 2025.

Informal enquiries may be addressed to Jasmine Ono at jasmine.ono@nottingham.ac.uk. Please note that applications sent directly to this e-mail address will not be accepted.

The School of Life Sciences holds an Athena Swan Gold Award, in recognition of our commitment to supporting and advancing equality and inclusion in the Life Sciences.

Jasmine Ono Pronouns: she/her BBSRC Discovery Fellow Assistant Professor in Evolutionary Functional Genomics University of Nottingham

"Jasmine Ono (staff)" <Jasmine.Ono@nottingham.ac.uk>

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UppsalaU MutationsAgingBees

Postdoctoral research position in the role of somatic mutations in ageing

A postdoctoral position is available in the research group of Matthew Webster in Uppsala University, Sweden, to investigate the role of somatic mutations in ageing using insect model systems. The position is available for two years with possibility for extension.

Mutations in somatic cells may be important drivers of ageing. This predicts a relationship between somatic mutation rates and longevity in multicellular organisms. Social insects represent promising models to investigate this relationship, due to the existence of castes that differ greatly in longevity despite sharing the same genome. Other promising model systems are represented by experimental lines of insects that have evolved large differences in longevity.

In this project, we aim to address the role of somatic mutations in ageing by measuring somatic mutation rates in honeybee castes and experimental evolution lines of seed beetles. Quantifying somatic mutations on a genome scale with high fidelity is experimentally challenging and we are using specially-developed methods for library prep for high-throughput sequencing to achieve this. The research involves next-generation sequence library preparation in the lab and bioinformatic/statistical analyses of next-generation sequence data.

The project will be conducted in collaboration with Prof. Göran Arnqvist (Evolutionary Biology Centre, Uppsala University) and Dr. Anja Mezger (Head of Applications Development, National Genomics Infrastructure, SciLifeLab, Stockholm).

Other research in Matthew Webster's group is focused on evolutionary genomics and population genomics, primarily in bees, addressing questions including the genetic basis of local adaptation and species divergence, and the evolution of mutation and recombination rates. The successful candidate will also have the opportunity to be involved in these projects. We benefit from collaboration with the groups of Profs. Kerstin Lindblad-Toh and Leif Andersson in the same department and with the genome sequencing platform at SciLifeLab. Uppsala University is the oldest in Scandinavia and the city of Uppsala is a vibrant college town with beautiful surroundings conveniently situated 40 minutes by train from Stockholm.

Qualifications and formal requirements

To be eligible for this position, applicants must hold a Ph.D. degree or equivalent in a relevant field. Candidates must be skilled in sequencing library preparation and bioinformatics and statistics, with experience in analysis of next-gen sequencing data and an interest in evolutionary genetics. Excellent communication skills, a high level of motivation and good spoken and written English is required. The applicant should be capable of working both independently and as part of a team, with problem-solving skills and an openness to learning new methods.

Assessment criteria

When selecting among eligible applicants, special emphasis will be placed on scientific proficiency. In this recruitment, the university will primarily consider those who, after an overall assessment of documented qualifications, competence and skills, are deemed to have the best qualities to carry out and develop current research tasks and contribute to a positive development of the activities.

About the position

The position is for two years with the possibility of

extension. The position is full-time. Starting date by agreement. Location: Uppsala, Sweden.

Information about the position is provided by: Professor Matthew Webster, matthew.webster@imbim.uu.se

Informal enquires about the position are welcome

To apply, please go to: https://www.uu.se/en/about-uu/join-us/jobs-and-vacancies/job-details?query=-873377 Lab website: www.websterlab.net 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 data. For more information on how this is performed, please read here: http://www.uu.se/en/-about-uu/data-protection-policy Matthew Webster <matthew.webster@imbim.uu.se>

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URegensburg BiodiversityBigData

Postdoctoral Position in Conservation Biology / Big Data

The Chair of Conservation Biology at the University of Regensburg (Knop Lab) is seeking a postdoctoral researcher to join our team and to contribute to the newly established Centre for Organismic Biology with a thematic focus on biotic interactions (https://go.ur.de/-biotic-interactions).

Our group investigates principles and mechanisms that structure biodiversity and plant-animal communities, with an emphasis on plant-invertebrate interactions. In particular, we do so in a global change context by focusing on human activity that brings about changes such as artificial light at night, changes in land use (agriculture and urbanization) and climate, or the introduction of invasive species. Our research integrates multiple temporal and spatial scales, and we use various methodological approaches, including automated monitoring of biodiversity and biotic interactions (computer vision, radar technologies), big data, and experiments. Further information about our research activities can be found at: www.knoplab.ch . We are looking for candidates with a strong research profile in the field of our research group and interest in analysing and collecting large datasets, programming and/or machine learning approaches. The successful candidate will have the opportunity to participate in ongoing and planned projects and to develop an independent research agenda in collaboration with the group. The position also confers eligibility to apply for independent research funding as Principal Investigator (PI) or Co-Principal Investigator (CoPI).

The position (TV-L E13 / A13 a. Z., 100%) is limited to 2.5 years and is to be filled as soon as possible, in accordance with the German Wissenschaftszeitvertragsgesetz. The position comes with a moderate teaching load (5 SWS), part of which will be taught in German. Applicants should hold a PhD in a relevant field, demonstrate research experience through publications, and possess at least basic proficiency in German.

Please submit your cover letter, curriculum vitae, and relevant certificates as a single PDF document by 7 December 2025 to: eva.knop@ur.de.

For further information or to apply, please contact Prof. Dr. Eva Knop (eva.knop@ur.de).

Prof. Dr. Eva Knop

Conservation Biology Faculty of Biology and Pre-Clinical Medicine, University of Regensburg Universitï¿½tsstrasse 31, 93053 Regensburg, Germany

Department of Evolutionary Biology and Environmental Studies, University of Zurich Winterthurerstrasse 191, 8050 Zurich, Switzerland

www.knoplab.ch Eva Knop <eva.knop@ieu.uzh.ch>

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CeskyKrumlov Czechia Phylogenomics Jan25-Feb7

Dear all,

Applications are closing soon for the 2026 Workshop on Phylogenomics and Evolutionary Genomics,held in cesky Krumlov, Czechia (a UNESCO World Heritage site).

Course dates: 25 Jan - 7 Feb 2026

Website: https://evomics.org/2026-workshop-on-phylogenomics/ Application deadline: 15 November 2025 Application: https://evomics.org/apply-workshop-on-phylogenomics-2026/ The workshop covers fundamentals and advanced/emerging techniques in the field, making it accessible and a valuable learning experience for everyone, regardless of their level of experience. For example, students will learn how to infer species trees, link genotype to phenotype in a phylogenetic context, and apply the latest advances in AI/ML to phylogenetics. See our website for the full schedule.

Erin Molloy Assistant Professor Department of Computer Science

University of Maryland,College Park

Lab Website:molloy-lab.org

Erin Molloy <ekmolloy@umd.edu>

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MNHN Paris IntegrativeTaxonomy Mar16-20

The course “Integrative taxonomy in the ”big data“ era” will be from the 16th to the 20th of March, 2026, at the MNHN of Paris, France.

The course is in English. To register, please fill the form on the website of the course (https://sites.google.com/-site/coursbarcode/home).

If you have any question, please contact: Nicolas Puillandre (puillandre@mnhn.fr) Sarah Samadi (sarah@mnhn.fr)

Nicolas Puillandre <nicolas.puillandre@mnhn.fr>

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NHM London IntegrativeBiodiversity Mar2-6

Dear all,

Applications are now open for the NERC funded short course “Integrative biodiversity discovery”.

This is a five-day course held onsite at the Natural History Museum, London, UK.

Course dates: 2-6 March 2026 Application deadline: 1 December 2025 Cost: Free Course website: https://www.nhm.ac.uk/our-science/study/-training/integrative-biodiversity-discovery.html This course will deliver training in field collection, molecular laboratory protocols and contemporary phylogenetic analysis, offering an important opportunity to observe the analytical links across the full spectrum of activities involved in biodiversity discovery.

The course is delivered by our experts in biodiversity research and phylogenomic analysis and will have a particular focus on using large numbers of genes to infer species trees, a diagrammatic representation of evolutionary relationships. It will entail multiple lectures as well as hands-on practical sessions with field collection, DNA extraction, genomic library preparation and bioinformatics.

By working closely with our scientists, participants will gain expertise to meet the needs and challenges of their current and future careers.

Further information, together with links to the application form can be found on the course website:

https://www.nhm.ac.uk/our-science/study/training/-integrative-biodiversity-discovery.html Dr Nick Crumpton (He/They)

Graduate Training and Short Course Coordinator

Natural History Museum

Cromwell Road, London, SW7 5BD

nick.crumpton@nhm.ac.uk

Nick Crumpton <nick.crumpton@nhm.ac.uk>

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Online AI-Powered ImageAnalysis Dec2

Hi everyone

Instats is excited to offer a 1-day seminar, AI-Powered Image Analysis, livestreaming December 2 and led by Nikolay Oskolkov, Group Leader (PI) at LIOS. Digital morphology, camera trap data, and automated phenotyping generate massive datasets that demand automated, quantitative workflows, and this intensive workshop equips you to turn raw images into rigorously validated results. Beginning with the theoretical foundations of convolutional neural networks, you'll learn how to harness transfer learning, UNet segmentation, Mask R-CNN instance delineation, and object-detection pipelines, while integrating classical OpenCV techniques for hybrid solutions. Nikolay will demonstrate end-to-end coding in Jupyter, using ChatGPT to accelerate development of reproducible Python scripts, data loaders, augmentation routines, training loops, and evaluation dashboards. Special attention is given to Bayesian uncertainty estimation, GRAD-CAM interpretability, and robust benchmarking so that your analyses meet peer-review standards and are ready for theses, grant applications, and high-impact publications. By the end of the day you will be able to design, implement, and critique complete image-analysis experiments: splitting datasets to control batch effects, fine-tuning models on small domain-specific collections, measuring fossils, phenotypes, or species interactions, and documenting every step for transparent sharing.

https://instats.org/seminar/ai-powered-image-analysis 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 Professor and Director Instats | instats.org

Michael Zyphur <mzyphur@instats.org>

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Online AnalysisCommunities Dec8-12

Hi everyone

Instats is thrilled to offer a 5-day seminar, Analysis of Ecological Communities in R, livestreaming December 8-12 and led by Dr Antoine Becker-Scarpitta from CIRAD (Agricultural Research Centre for International Development). As community and trait datasets grow more multidimensional, this workshop empowers PhD students, academics, and professional researchers to harness the VEGAN package in R for rigorous diversity metrics, sophisticated multivariate analyses, and fully reproducible workflows that reveal macroecological patterns driven by environmental gradients, anthropogenic pressures, or spatial structure. Through concise lectures, hands-on coding, and opportunities to analyze your own

data, you'll gain fluency in transformation and distance measures, clustering, unconstrained and constrained ordination (PCA, RDA), variation partitioning, and introductory spatial modeling with HMSC skills essential for cutting-edge community ecology, macroevolutionary, and microbial ecology research.

https://instats.org/seminar/analysis-of-ecological-communities-in-r 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 Professor and Director Instats | instats.org

Michael Zyphur <mzyphur@instats.org>

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Online Bioinformatics Jan12-16

Dear all,

registrations are now open for the Physalia online course UNIX AND SHELL SCRIPTING FOR BIOINFORMATICS

Dates: 12-16 January 2026 Course website: (https://www.physalia-courses.org/courses-workshops/unix/)

This course introduces participants to the Unix command line and shell scripting for bioinformatics applications. Through hands-on exercises, attendees will learn how to use Unix commands, connect to servers, install software, manage files, and automate tasks by writing shell scripts. Practical examples will focus on handling and processing biological data, including NGS data.

No prior experience with Unix or scripting is required. A background in biology is recommended.

Main topics include:

Essential Unix commands and file management

Working with remote servers

Processing large datasets and using AWK

Redirection, piping, and automation with shell scripts

Building and customizing bioinformatics pipelines

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/unix/)

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>

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Online DimensionalityReduction Nov25

Hi everyone

Instats is offering a 1-day seminar, Dimensionality Reduction with UMAP and Beyond 2.0, livestreaming on 25 November and led by Dr Nikolay Oskolkov from Lund University and Group Leader (PI) at LIOS. If your work involves high-dimensional genomic, morphometric, or phenotypic datasets, mastering dimensionality-reduction techniques is indispensable for extracting actionable insights and preparing data for downstream analysis. In this intensive workshop, Dr Oskolkov will guide you through both classic linear methods such as PCA and cutting-edge nonlinear approaches including t-SNE and, in particular, UMAP. You will learn why and when to reduce dimensionality, how to code and interpret each technique in R and Python, and how to avoid common pitfalls while maximising interpretability. RealÂ©\world examplesÂÂfrom visualizing population structure in genomics to analyzing complex shape data in morphometricsÂÂanchor the theory in hands-on practice, giving you the confidence to preprocess high-dimensional data, select the right algorithms, and communicate your findings effectively.

https://instats.org/seminar/dimensionality-reduction-with-umap-and-b 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 Professor and Director Instats | instats.org

Michael Zyphur <mzyphur@instats.org>

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Online eDNAMetabarcoding Feb23-27

Dear all, Registration is now open for the Physalia online course "eDNA Metabarcoding", which will take place from 23-27 February 2026 (2-8 PM Berlin time).

Course website: (https://www.physalia-courses.org/-courses-workshops/course4/)

This course provides a comprehensive introduction to metabarcoding techniques for biodiversity assessment, from molecular protocols to bioinformatic pipelines.

Participants will learn how to analyse real Illumina datasets, design their own metabarcoding projects, and interpret ecological patterns from sequencing data.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course4/)

Best regards, Carlo

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Online EvolutionaryBiogeography Nov10-19

Dear colleagues,

I hope you're doing well. I'm writing to let you know about an upcoming live online course organized by Transmitting Science that might interest you:

Model-Based Statistical Inference in Evolutionary Biogeography

Instructor: Nick Matze (University of Auckland, New Zeland)

Course webpage: https://-www.transmittingscience.com/courses/evolution/-model-based-statistical-inference-evolutionary-biogeography-2/ Dates: November 10, 12, 14, 17 & 19, 2025.

Time: 08:00-12:00 (Madrid time).

Format: Live lectures + hands-on exercises (recordings available, but attendance is required for certification).

What you'll learn:

* How to use phylogenetic and spatial data to infer ancestral range evolution. * Probabilistic, likelihood-based models (e.g. BioGeoBEARS), stochastic mapping, trait-dependent dispersal. * Handling geographic & environmental distance in models, integrating GIS/paleogeography data, and more. * A help session to apply methods to your own data.

Best regards

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com/courses Bluesky @soledeesteban.bsky.social X @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

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Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

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Online GenomeAnnotation Nov18-20

The Computational Biology Core at the University of Connecticut is hosting virtual bioinformatics workshops this fall! We still have space available in our Genome Annotation Workshop (virtual but live instruction - Nov 18-20). This hands-on workshop will cover genome assembly validation, annotation using tools such as Helixer, BRAKER, and EASEL, and evaluation of annotation results. Participants will gain practical experience with real datasets and learn how to generate high-quality genome annotations.

Learn more & register here: https://-bioinformatics.uconn.edu/cbc-workshops/ WHERE: Virtual (MS Teams) WHEN: 10:00 AM - 2:00 PM EST COST: $400 (UConn affiliates) â€â€$500 (External participants)

Registration is first come, first served.

Questions? E-mail cbcsupport@helpspotmail.com

“Lambert, Karelyn” <zsc25001@uconn.edu>

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Online GenomeAssembly Nov10-14

Dear all,

Are you interested in learning how to assemble eukaryotic genomes using long-reads data? This is your last chance to join the upcoming Physalia online course: EUKARYOTIC GENOME ASSEMBLY USING PACBIO AND HI-C

Dates: 10-14 November

Course website: (https://www.physalia-courses.org/-courses-workshops/pacbio/)

This hands-on course will guide participants through a complete genome assembly workflow from raw PacBio and Hi-C reads to chromosome-level assemblies. Participants will gain both theoretical insight and practical experience using state-of-the-art tools for assembly, scaffolding, and quality assessment. If you work with genomic data and want to learn how to build high-quality eukaryotic genomes, don’t miss this opportunity.

For the full list of our courses and workshops, please visit our website: (https://www.physalia-courses.org/-courses-workshops/pacbio/)

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/)

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Online IntroMachineLearningR Jan9-30

Dear evoldir members,

Transmitting Science is offering the course “Introduction to Machine Learning in R” (3rd edition).

The aim of the course is 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.

Dates: January 9th, 16th, 23rd, and 30th, 2026 Schedule:

14:30-18:00 CET

Learn more and register here: https://-www.transmittingscience.com/courses/statistics-and-bioinformatics/introduction-to-machine-learning-in-r/ If you have any questions do not hesitate to contact us at courses@transmittingscience.com

Best regards,

Haris

Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com [1]

Links:

[1] http://www.transmittingscience.com Haris Saslis - Transmitting Science <haris.saslis@transmittingscience.com>

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Online MachineLearningWithR Feb16-20

Dear colleagues,

We are pleased to announce the online course "Introduction to Machine Learning with R", which will take place from 16-20 February 2026.

Course website: (https://www.physalia-courses.org/-courses-workshops/course43/)

This hands-on course introduces the fundamental concepts and practical tools of machine learning in the context of biological research. Participants will learn how to use R and the tidymodels framework to explore, model, and interpret complex omics datasets.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course43/)

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/)

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Online MacroevolutionaryPhylogenetics Jan26-Feb4

Dear evoldir members,

Transmitting Science is offering the course "Introduction to Macroevolutionary Analyses Using Phylogenies" (15th edition).

This course will introduce participants to the use, modification, and representation of phylogenetic trees. Also, we will focus on the use of phylogenetic information to reconstruct ancestral characters and biogeographic histories, using different phylogenetic comparative methods. We will tackle trait evolution modeling and the assessment of phylogenetic signals. Finally, we will learn about the shape of phylogenetic trees, their evolutionary causes, and how to estimate the rates of diversification throughout the history of groups. Participants are encouraged to bring their data sets to use in the practical classes.

Format: Live online sessions Dates: January 26th, 28th, and 30th & February 2nd and 4th, 2026 Schedule: 10:00-14:00 (Madrid time)

Instructor: Dr. Juan L. Cantalapiedra (Museo Nacional de Ciencias Naturales, Spain)

Learn more and register here: https://-www.transmittingscience.com/courses/evolution/-introduction-macroevolutionary-analyses-using-phylogenies/ If you have any questions do not hesitate to contact us at courses@transmittingscience.com

Best regards,

Haris

Check the full list of upcoming courses here: https://www.transmittingscience.com/courses/ Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com [1]

Links:

[1] http://www.transmittingscience.com Haris Saslis - Transmitting Science <haris.saslis@transmittingscience.com>

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Online MorphologicalDisparity Jan6-15

Dear evoldir members,

Transmitting Science is offering the course "Introduction to the Analysis of Morphological Disparity " (3rd edition).

Course webpage: https://-www.transmittingscience.com/courses/evolution/-introduction-to-the-analysis-of-morphological-disparity/ Analyses of morphological disparity provide unique insights into evolutionary history, quantifying the anatomical variety of clades and revealing its fluctuation through time. This course will provide an in-depth overview of the different types of data and methods that underpin these analyses and give participants the necessary skills and understanding to apply them to their own research questions.

We will cover the advantages and disadvantages of different types of morphological data, the differences between different types of morphospaces, the range of distance metrics than can be used to measure intertaxon dissimilarity, and how ordination methods can be used to reduce dataset dimensionality and identify patterns.

Dates: January 6th, 8th, 13th, and 15th, 2026 Schedule: 13:30-17:30 (Central European Time)

Instructor: Dr. Thomas Roper-Smith (Oxford University Museum of Natural History, UK)

If you have any questions do not hesitate to contact us at courses@transmittingscience.com

Best regards,

Haris

Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com [1]

Links:

[1] http://www.transmittingscience.com Haris Saslis - Transmitting Science <haris.saslis@transmittingscience.com>

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Online MultiOmicsIntegration Feb2-6

Dear all,

We are thrilled to announce our upcoming course on Machine Learning for Multi-Omics Integration, taking place online in February 2-6 , 2026! This is your chance to learn how to analyse big biological data and harness the potential of cutting-edge machine learning techniques to uncover hidden insights from diverse Omics datasets.

Multi-Omics integration is the key to unlocking synergies across datasets, helping us reveal novel biological pathways and better understand cellular behavior. With machine learning, we can take this integration to the next level, making sense of complex data to drive forward breakthroughs in biology and medicine.

Course website: (https://www.physalia-courses.org/-courses-workshops/multiomics/)

In this hands-on course, you'll explore:

Machine learning methodologies for integrating large biological datasets. Supervised and unsupervised approaches to Omics integration. Deep learning techniques tailored to multi-omics data. Best practices and tools for single-cell Omics integration.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

"info@physalia-courses.org" <info@physalia-courses.org>

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

Online Palaeoproteomics Dec12-19

Dear evoldir members,

Transmitting Science is offering the course "Proteomic Methods for Species Identification of Archaeological and Palaeontological Materials" (3rd edition).

In this course, participants will be introduced to proteomic methods for species identification, focusing on peptide mass fingerprinting by MALDI-ToF mass spectrometry and LC-MS/MS based approaches.

During the course, participants will first be introduced to some theory with illustrative examples (both from simulated data as well as some real datasets) and will then learn how to interpret the data, both MS1 (e.g., fingerprints) and MS2 (or MS/MS 'sequencing' spectra), as well as how to assess their reliability.

Dates: December 12th, 15th, 17th, and 19th Schedule: 14:00-18:00 (Madrid time)

Instructor: Dr. Michael Buckley (University of Manchester, UK)

Learn more and register here: https://-www.transmittingscience.com/courses/genetics-and-genomics/palaeoproteomics-and-zooarchaeology-by-mass-spectrometry-zooms/ If you have any questions do not hesitate to contact us at courses@transmittingscience.com

Best regards,

Haris

Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com [1]

Links:

[1] http://www.transmittingscience.com
Haris Saslis - Transmitting Science <haris.saslis@transmittingscience.com>

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Online PhenotypicEvolution Feb3-5Mar2-6

Dear all,

Registration is now open for two complementary online courses offered by Physalia Courses in early 2026, taught by Dr. Carmelo Fruciano.

- Foundations of Geometric Morphometrics 3-5 February 2026 | 1-7 PM Berlin time

An introductory, hands-on course focusing on 2D and 3D data acquisition, data quality, and the fundamentals of geometric morphometric analyses. Ideal for researchers new to morphometric methods or seeking a structured overview of shape quantification and visualization.

More info: (https://www.physalia-courses.org/courses-workshops/course22/)

- Multidimensional Phenotypic Evolution 2-6 March 2026 | 1-7 PM Berlin time

This course explores techniques for analyzing multidimensional traits from geometric morphometric to gene expression data across micro- and macroevolutionary scales. Participants will learn to apply methods such as PCA, phylogenetic comparative analyses, PLS, and evolutionary model fitting to real datasets.

More info: (https://www.physalia-courses.org/courses-workshops/mpe/)

Both courses combine lectures and practical sessions, using user-friendly software and R implementations.

They are designed to provide a comprehensive foundation and progression in modern phenotypic data analysis.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-mpe/)

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/)

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Online RNA-SeqAnalysis

Unlock the full potential of your transcriptome data

RNA-Seq Analysis

RNA-Seq analysis training - live online course covering experiment design, data QC, alignment, gene expression, DESeq2 differential expression, PCA, visualisation, and functional analysis.

ONLY 8 PLACES LEFT! https://prstats.org/course/-rna-seq-analysis-rnaa01/ Join our four-day live online workshop:RNA-Seq Analysis (RNAA01). If you're working with RNA-Seq or planning to generate bulk transcriptome data, and you want to take your analysis from raw reads through to biological insight, this is the course for you. What you will learn

How to design a robust RNA-Seq experiment and avoid common pitfalls.

How to perform quality control on raw RNA-Seq data, align reads, and assess alignment quality.

How to quantify gene expression and apply the widely-used DESeq2 workflow for differential expression analysis.

How to visualise high-throughput data using principal component analysis (PCA), volcano plots, MA plots and other techniques.

How to perform functional interpretation of differential expression results, turning numbers into biological insight.

Who should attend

Researchers, postgraduate students and industry professionals working with bulk RNA-Seq data.

Anyone who has basic experience with R, RStudio and the fundamentals of molecular biology or transcriptomics.

Those who want to move from raw sequence data to actionable biological conclusions with confidence.

Course format

Four days of live online sessions (approximately 3Â$\frac{1}{2}$ hours each day) in a UK / Western European time zone.

Interactive lectures, hands-on practical exercises and dedicated discussion time.

Course materials, code and datasets will be provided, and participants are encouraged to bring their own data for discussion when possible.

Recordings of sessions available after each day for participants across different time zones.

Why this course stands out

It offers an end-to-end workflow from design through QC, alignment, differential expression and functional analysis designed specifically for researchers working in transcriptomics.

It emphasises not just how to run the tools, but how to interpret results, understand the assumptions and recognise where things can go wrong.

Designed by experienced bioinformaticians, the course balances theory, practice and discussion in an accessible live-online format.

How to register / next steps Visit the PR Stats website for full course details, upcoming dates and registration information. Early registration is advisable, as places may be limited. For any questions about suitability, prerequisites or logistics, please contact the course organisers.

https://prstats.org/course/rna-seq-analysis-rnaa01/ Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online RNAseqForBeginners Feb10-19

Dear all,

registrations are now open for the Physalia online course on RNAseq Data Analysis for Beginners, running from 10th to 19th February 2026.

This seven-day hands-on course is specifically designed for wet-lab biologists and researchers with no prior programming experience who want to learn how to process raw RNA sequencing data into publication-ready results.

Participants will work with pre-configured cloud environments and reproducible pipelines, gaining practical skills in command-line basics, quality control, alignment, differential expression analysis, and visualization. The

course also covers advanced topics such as batch correction and functional enrichment, ensuring you leave equipped to analyze your own RNAseq data confidently.

If you want to gain practical RNAseq analysis skills from raw data to biological interpretation, please have a look at: (https://www.physalia-courses.org/courses-workshops/rnaseq-4-beginners/)

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-rnaseq-4-beginners/)

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/)

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Online SingleCellDataAnalysis Nov24

Hi everyone

Instats is offering a 1-day seminar, Single Cell Data Analysis 2.0, livestreaming on November 24 and led by Nikolay Oskolkov from Molecular Biosciences at Lund University and Group Leader (PI) at LIOS. Single-cell technologies are revolutionizing evo-devo, comparative transcriptomics, and ecological physiology, and this intensive workshop equips you with the computational skills needed to harness their full potential. You will follow the complete scRNA-seq workflow from raw data preprocessing and rigorous quality control through normalization, dimensionality reduction, clustering, differential expression testing, and multi-dataset integration while gaining fluency with the flagship toolkits Seurat in R and Scanpy in Python. Along the way, Nikolay will demonstrate best-practice visualization strategies for revealing cellular heterogeneity across species or conditions and guide you through real-world case studies that show how cutting-edge single-cell analytics drive scientific discovery.

https://instats.org/seminar/single-cell-data-analysis-20 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 Professor and Director Instats | instats.org

Michael Zyphur <mzyphur@instats.org>

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Online SingleCellRNASeqAnalysis

Single-Cell RNA-Seq Analysis

Live online training covering all stages of single-cell transcriptomic data analysis from experimental design to data QC, normalization, clustering, differential expression, and biological interpretation.

https://prstats.org/course/single-cell-rna-seq-analysis-scrn02/ Join our four-day live online workshop: Single-Cell RNA-Seq Analysis (SCRN02). If you're working with single-cell transcriptome data or planning to dive into single-cell workflows, this course will guide you from raw data to interpretable biological insight.

What you will learn

How to design a robust single-cell RNA-Seq experiment, including strategies for cell capture, sequencing depth and batch control. How to perform quality control and filtering of single-cell data to ensure high-quality downstream analysis. How to normalize and process data, cluster cells, and identify cell types or states. How to conduct differential expression analysis, trajectory inference or other advanced single-cell analyses. How to interpret results biologically linking clusters, cell types or trajectories to meaningful insights.

Who should attend

Researchers, postgraduate students and industry professionals working with single-cell RNA-Seq data. Anyone with basic experience in R, data analysis, and transcriptomics who wants to build confidence in single-cell workflows. Those who want to confidently move from raw single-cell data to actionable biological conclusions.

Course format

Four days of live online sessions (approximately 3Â$\frac{1}{2}$ hours each day) in a UK / Western European time zone. Interactive lectures, hands-on practical sessions and discussion time. Course materials, code and example

datasets will be provided participants are encouraged to bring their own data for discussion when possible. Recordings available after each day to support participants in different time zones.

Why this course stands out

It offers an end-to-end workflow specifically tailored for single-cell data from design through QC, clustering, differential expression and biological interpretation. It emphasises not just how to run analysis pipelines, but how to understand assumptions, interpret results, and avoid common pitfalls in single-cell data analysis. Developed and delivered by experienced bioinformaticians, the course balances theoretical foundations with applied, hands-on training in a live-online format.

How to register / next steps

Visit the PR Stats website for full course details, upcoming dates and registration information. Early registration is recommended, as places are limited. https://-prstats.org/course/single-cell-rna-seq-analysis-scrn02/ Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online StructuralVariantsAnalysis Dec1-3

Dear all,

There are only a few seats remain for our upcoming online course: STRUCTURAL VARIANT DETECTION AND COMPARISON

Dates: December 1-3

Course website: (https://www.physalia-courses.org/-courses-workshops/svs/)

This hands-on course is perfect for biologists and bioinformaticians eager to master the detection, comparison, and functional assessment of structural variants using cutting-edge workflows with both short and long read data.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

Best regards,Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

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Online VEGANMultivariateAnalysis

Unlock the Power of Community Ecology Data: Multivariate Analysis of Ecological Communities Using VEGAN https://prstats.org/course/multivariate-analysis-of-ecological-communities-using-vegan-vgnr08/ We have 3 seats left for our upcoming VEGAN course, don’t miss, book today! Are you working with species-rich community datasets and seeking the tools to meaningfully analyse, visualise and interpret them? This five-day live online course offers a comprehensive, applied introduction to multivariate techniques in community ecology, using the widely-adopted R package vegan.

What the course covers

Handling community ecology data: preparing matrices, transforming variables, computing distance measures.

Diversity indices, species-abundance distributions and community metrics.

Clustering, classification, ordination (unconstrained and constrained), including PCA, NMDS, RDA, CCA.

Integrating continuous and categorical predictors to detect ecological patterns along environmental or anthropogenic gradients.

Reproducible workflows and best practices in R coding, visualisation and interpretation of results.

Why this matters Ecological community data are often high-dimensional, sparse, and structured by environmental gradients or unmeasured factors. The tools you will learn in this course enable you to:

Detect underlying structure and patterns in species composition.

Quantify relationships between communities and their environment.

Present your findings with clarity and rigour.

Build workflows that are reproducible, transparent and

suited to publication or policy-driven outputs.

Who should attend This course is ideal for ecology researchers, conservation scientists, MSc/PhD students, data analysts and environmental practitioners who already have a basic structure in R and want to deepen their analytical toolkit. You should already be comfortable with data import/export, basic manipulation, and fundamental statistical concepts. Format & practicalities

Duration: Five full days of live online instruction (~7 hours per day).

Participants are encouraged to bring their own datasets; the instructors will help you refine your research questions, select suitable analyses and interpret results.

All sessions will be recorded and made available for later review making this suitable for learners across time zones.

Fee: 485 (as listed).

Take the next step in your analytical journey If you are ready to elevate your community ecology analyses to move beyond univariate summaries and simple graphs into multivariate inference and visualisation this course offers the structured guidance and practical experience you need.

–

Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Paris Tartu Reykjavik SLiMEvolModeling May-Aug

Three workshops on SLiM. Paris, France May 18-22 Tartu Estonia, Jun 15-19 Reykjavik Iceland, Aug 17-21

—

Hi folks! I'm excited to announce a new SLiM workshop in Paris, France, May 18-22, 2026. It will be held at the Musee de lHomme near the Eiffel Tower, hosted by the Anthropological Genetics team from the Eco-Anthropology lab (CNRS Museum National dHistoire Naturelle Universite Paris Cite): Nina Marchi, Frederic Austerlitz & Bruno Toupance.

As background: SLiM is a software package for creating evolutionary models/simulations that are individual-based and genetically explicit. It is scriptable, flexible, fast, free, open-source, and includes an interactive graphical modeling environment. You can read more about it on its home page (https://messerlab.org/slim/).

This workshop is open for registration NOW. It will be free, and open to participants outside of the hosting institution. HOWEVER, registration is required, and a limited number of seats are available. I do expect this workshop to fill, so I would recommend that you register as soon as possible.

To apply, please submit a registration application at https://forms.gle/o8MzzJLck6q6v3Zu7. There are two other workshops in 2026 also being announced, and there is one joint application form for all three workshops; you will be able to indicate your first/second/third choice if you wish. Please read the application form carefully. Note that there will be no automatic confirmation email after you submit the form; you will hear from me personally (bhaller@mac.com) by email once I have handled your application. I suggest that you whitelist my email address when you apply, so that you are sure to receive my emails; if I cannot communicate with you, your registration will be dropped (and yes, this has happened). Please do not make travel arrangements until you have been formally accepted to the workshop. Please do not apply to a workshop unless you are sufficiently serious that you will actually attend, if accepted.

There are no strict prerequisites for the workshop, but it is recommended that all attendees have at least a little experience programming; if you have no programming experience, it is recommended that you complete an introductory R course beforehand. (SLiM does not use R, but it is similar.) Further information for attendees can be found at http://benhaller.com/workshops/-workshops_attendees.html. Note that you will be responsible for arranging your own food, lodging, and transportation, unless the registration form indicates otherwise for the workshop(s) you decide to apply to.

The plan is to cover all the major topics in the SLiM manual, starting with lots of introductory material to get beginners up to speed with SLiM and its associated scripting language Eidos, and ending up at advanced topics like non-Wright-Fisher models, tree-sequence recording, continuous-space models, nucleotide-based models, and multispecies models. We won't cover everything in the manual that would be overwhelming! but we'll try to cover all the big topics. There will also be time for attendees to work on their own models with help from me (most of the day Friday, typically), and we may also have time to explore some optional side topics that are

of particular interest to those attending each workshop.

If you want to know about other SLiM workshops, please watch the slim-discuss or slim-announce mailing lists; workshop announcements are always posted there first. Please spread the word so more folks hear about this; feel free to share the link to this post on social media and such. Also, I'm hoping to continue doing workshops in future; if you would like to invite me to give a workshop at your institution, please send me an email (off-list).

Cheers,

Benjamin C. Haller Messer Lab Cornell University

—

Hi folks! I'm excited to announce a new SLiM workshop in Tartu, Estonia, June 15-19, 2026. It will be held at the University of Tartu (exact location TBD), hosted by Mait Metspalu and Jose Rodrigo Flores Espinosa (University of Tartu).

As background: SLiM is a software package for creating evolutionary models/simulations that are individual-based and genetically explicit. It is scriptable, flexible, fast, free, open-source, and includes an interactive graphical modeling environment. You can read more about it on its home page (https://messerlab.org/slim/).

This workshop is open for registration NOW. It will be free, and open to participants outside of the hosting institution. HOWEVER, registration is required, and a limited number of seats are available. I do expect this workshop to fill, so I would recommend that you register as soon as possible.

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UGroningen LifeHistoryTheory Jan25-30

Life History Theory course You can now register for the course 'Life History Theory', organised by the Research School Ecology and Evolution < https://www.rug.nl/research/ecology-and-evolution/phdcourses/coursecalendar > of Institute GELIFES < https://www.rug.nl/research/gelifes/ >, University of Groningen, the Netherlands.

Dates The course starts the 25th of January and ends Friday the 30th of January 2026.

Registration and more information: https://www.rug.nl/research/ecology-and-evolution/phdcourses/lifehistorytheory?lang=en *Aim of the course* Life History Theory deals with species-specific adaptive schemes of the distribution of the reproductive effort over the life of an organism. The general theoretical problem is to predict which combination of traits will evolve under specific conditions. The concepts used are also relevant to study within species variation in life history traits. The one week course aims at giving an overview of the field and will discuss methodology and recent developments.

Contents & Structure The subject will be worked out on the basis of lectures, case histories, discussion and literature. The contact with current research projects is guaranteed as concrete examples will be treated by scientists working in the field. A lot of discussed examples refer to birds, but attention will also be paid to other groups of organisms, such as humans, fishes, insects and plants. In poster sessions work and/or plans of the participating students will be discussed with the whole group and we will use computers to illustrate some of the concepts.

More information:

- *Simon Verhulst <s.verhulst@rug.nl> - *BPE Group, Groningen Institute for Evolutionary Life Sciences (GELIFES), University of Groningen. - Magdalena Kozielska-Reid <gelifes-phdcoordinator@rug.nl> - Coordinator Research School Ecology and Evolution (GELIFES), University of Groningen

Kind regards,

Tineke de Boer

*Office Assistant Research School Ecology and Evolution (RSEE) & **Assistant to Dr. Magdalena Kozielska-Reid*

University of Groningen

Faculty of Science and Engineering *Groningen Institute for Evolutionary Life Sciences (GELIFES)*

Nijenborgh 7 9747 AG Groningen The Netherlands Building 5171, room 0158

P Please consider the environment before printing this e-mail.

"de Boer, Tineke" <t.m.de.boer@rug.nl>

Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to me at Golding@McMaster.CA. In addition, if it originates from 'blackballed' addresses it will be sent to me at Golding@McMaster.CA. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

To be removed from the EvolDir mailing list please send an email message to Golding@McMaster.CA. Note that 'on vacation', etc, style messages are automatically filtered and should not be transmitted to the list (I hope), but should you wish to avoid the e-mail's your code can be temporarily changed to 000000.

To send messages to the EvolDir direct them to the email evoldir@evol.biology.McMaster.CA. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. ... plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be send to me at Golding@McMaster.CA and processed later. In either case, please do not expect an instant response.

Afterword

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LaTeX do not try to embed LaTeX or TeX in your message (or other formats) since my program will strip these from the message.