E v o l D i r

November 1, 2025

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

Foreword

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

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

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

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Conferences

Berkeley ProbGen Mar25-28

Registration and abstract submission for the Probabilistic Modeling in Genomics Conference at Berkeley in March 2026 is now open: https://-probgen2026.github.io/registration.html Program

Keynote speakers: Sally Otto and Jonathan Pritchard

Session I: Quantitative Genetics and Association Mapping. Chairs: Sasha Gusev and Sohini Ramachandran

Session II: Machine Learning in Genomics Chairs: Sara Mostafavi and Sriram Sankararaman

Session III: Population and Statistical Genetics Chairs: Rori Rohlfs and Pier Palamara

Session IV:Demographic Inference Chairs: Jonathan Terhorst and Anastasia Ignatieva

Session V: Systems Biology Chairs: Christina Leslie and Heng Li

Session VI: Phylogenetics and Evolutionary Dynamics Chairs: Erick Matsen and Julia Palacios

Rasmus Nielsen <rasmus_nielsen@berkeley.edu>

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Bern Switzland MolEvolSelfishElements Feb8-11

Dear all,

Together with Tanja Schwander, Laura Ross, and Axel Imhof, we are organizing an EMBO workshop on the Molecular Mechanisms of Selfish Elements and Strategies, to be held from Sunday 8 to Wednesday 11 of February 2026 in Bern, Switzerland.

We have an exciting line-up of invited speakers, and the topic should be of broad interest to the evolutionary genetic community. Abstract submissions are open until 15 December 2025.

You can find more information on the website : https://meetings.embo.org/event/26-selfish-elements Best wishes,

Luca Soldini PhD Student - Schwander Group Selfish genetic elements and atypical reproductive modes Department of Ecology and Evolution University of Lausanne

Luca Soldini <luca.soldini@unil.ch>

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Brno Czechia FishMatingSystems Jan21-23

SYMPOSIUM ON FISH MATING SYSTEMS

Brno, Czech Republic, 21-23 January 2025

Platform for researchers to explore genetic, physiological, behavioural, ecological, evolutionary, and applied perspectives on fish mating systems.

Aims to establish a coherent framework for understanding the adaptive basis of the extraordinary diversity of fish reproductive styles.

Invited plenary speakers: Suzanne Alonzo, John Fitzpatrick, and Chiara Benvenuto.

Early bird registration deadline is 3 November 2025 (https://fish.ivb.cz/registration/)

The meeting will be held on the Masaryk University campus, near the Augustinian abbey where Gregor Mendel made his groundbreaking discoveries.

No parallel sessions, to foster a friendly atmosphere and encourage discussion. We anticipate 60 to 100 participants.

We are consulting with the editors of Evolution on the possibility of producing a theme issue.

Celebrating the 60th anniversary of the publication of "Modes of Reproduction in Fishes" by Charles Breder and Donn Rosen!

Organised by Martin Reichard, Carl Smith and Jakub Âák (fishmating2026@gmail.com)

Looking forward to seeing you in Brno

Martin Reichard <reichard@ivb.cz>

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Online AmericanSocietyNaturalists Proposals Jan15

The American Society of Naturalists

Proposals for Virtual Symposia at the ASN, SSB, SSE Joint Meeting

Due January 15, 2026

The American Society of Naturalists will be participating in a joint meeting with the Society of the Study of Evolution and the Society of Systematic Biologists in May and June 2026! This includes hosting a special symposium during a virtual conference of the three societies on May 20-22.

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

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

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

Please submit proposals by email (cas383@miami.edu) no later than midnight Eastern Time on January 15, 2026. Send your proposal as a single pdf attachment, under subject heading "ASN 2026 Virtual Symposium Proposal".

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

reers through building broader scientific networks and a record of scientific leadership.

Additionally, the Society's selection committee will evaluate proposals based on their potential to attract a substantial audience and stimulate discussion, the significance and timeliness of the topic, and on the topic differing substantively from recent symposia hosted by the Society. Applicants will be notified of the decision before the end of February 2026.

Christopher Searcy

ASN Symposium Committee Chair

Department of Biology

University of Miami

cas383@miami.edu

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

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Online DeExtinction Oct14

Other: Online Webinar 11am NZST - De-Extinction a New Zealand Perspective Public Talk

What's the truth about de-extinction? - A New Zealand perspective. Date: October 14th 2025 (possibly the 13th for USA/Canada) Time: 11:00AM - 12:30PM New Zealand Standard Time

De-extinction hit the headlines recently with the ?resurrection' of the dire wolf and the push to bring back the moa. However, can scientists actually de-extinct animals, and more importantly, should they bring them back? In this webinar Associate Professor Nic Rawlence from the Otago University Zoology Department will delve into the science, ethics, and indigenous concerns surrounding de-extinction.

Nic's presentation will last about one hour. It is designed for the general public. There will be plenty of time for questions and discussion. Please join us for this special webinar by registering below.

https://otago.zoom.us/webinar/register/-WN_Xv5z_o1jQOWxJ3N-YHkBfg For more information, please contact Clare Adams - c.adams@otago.ac.nz or Rob Elshire - info@elshiregroup.co.nz

c.adams@otago.ac.nz

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Online ESEB InternalConflictsSTN Oct16

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 October 16th, 14:00 UTC. Our speakers for this seminar are:

Afra Salazar (University of Lausanne): Can individuality help us improve community functions?

Ellen Clarke (University of Leeds): Evolutionary unitization in bacteria.

We expect the meeting to take approximately 1.5 hours.

Meeting details: Date: October 16, 2025. Time: 14:00 UTC < https://www.timeanddate.com/-worldclock/fixedtime.html?iso=20251016T14&p1=-1440&ah=1&am=30 > Meeting link: https://-georgetown.zoom.us/j/96931320017?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

Martijn Schenkel, Manus Patten, Arvid Ãgren, Nina Wedell, and Thomas Hitchcock

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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Online GenomicsForBiodiversity Oct29-31

We are excited to invite you to the Genomics for Biodiversity Conference organised by the European Reference Genome Atlas (ERGA) and Biodiversity Genomics Europe (BGE), which will be held on October 29 - 31 and transmitted live through the ERGA YouTube channel. Participation is free of charge. The conference aims to bring together researchers and other stakeholders interested in applied biodiversity genomics and will showcase how it can have an impact on real-world issues, focusing primarily on biodiversity conservation and bioeconomy.

Dates: 29 - 31 October 2025

Online and free of charge!

Registration and preliminary programme: https://www.erga-biodiversity.eu/post/genomics-for-biodiversity-conference-from-genomes-to-impact
Keynote speakers:

Christina Hvilsom, Coalition for Conservation Genetics

Alessio Iannucci, University of Florence

Pier Luigi Buttigieg, Alfred Wegener Institute Helmholtz centre for polar and marine research

Alexandra Anh-Thu Weber, Eawag, Swiss Federal Institute of Aquatic Science and Technology

The programme also includes 29 presentations showcasing the applied use of biodiversity genomics across Europe and a diverse set of eukaryotic. For more information, head to the ERGA website: https://www.erga-biodiversity.eu/post/genomics-for-biodiversity-conference-from-genomes-to-impact We hope to see you online!

Luisa, Christian, and Joao

Christian de Guttry, PhD (he/him)

Scientific ProjectManager Environmental Bioinformaticsgroup Swiss Institute of Bioinformatics (SIB)

Christian de Guttry <Christian.Deguttry@sib.swiss>

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Online SORTEE Oct15 Registration

Dear Colleague,The 2025 Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology (SORTEE) Conference is just around the corner! The conference will take place virtually from 15 October 07:00 UTC to 16 October 10:00 UTC, covering

Dear Colleague,

The 2025 Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology (SORTEE) Conference is just around the corner! The conference will take place virtually from

15 October 07:00 UTC to 16 October 10:00 UTC, covering all time zones.

There is still time register at https://sortee.org/upcoming/, and the full program is available online through the SORTEE Shiny app. We invite you to join us for an engaging lineup of unconferences, hackathons, workshops, introductions to open science and plenary presentations by: 1) Dr. Israel Borokini: “Advancing Ecology and Evolutionary Research in the Global South - African context” 2) Prof. Simine Vazire: “Journal Prestige Can and Should be Earned”

We look forward to your participation!

Sincerely, The SORTEE Conference Committee

REGISTER HERE

2355 State St Ste 101 Salem, OR 97301-4541, USA

Disclaimer: We use flodesk to manage our emails. This email service collects analytical data on how people handle the emails we send. If you are uncomfortable sharing that information with us, please feel free to unsubscribe from this list. We value transparency on everything we do, and unfortunately there is no way to opt-out of this system.

SORTEE Conference Committee <conference@sortee.org>

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Online YoungSystematistsForum Nov14

Dear all,

Abstract submission for this year's edition of the Young Systematists' Forum < https://systass.org/-young-systematists-forum/ > closes *THIS SATURDAY, OCTOBER 25TH AT 11:59PM GMT+1*.

This is a free, online conference for students and early career researchers working on any aspect of phylogenetics, taxonomy or systematics.

It is a friendly environment that aims to support young (in experience!) researchers giving some of their earliest international presentations and to encourage them to forge lasting networks.

When: Friday, November 14 9:30-17:30 UTC+0

Where: Online

Abstract submission deadline: Saturday, October 25 11:59 UTC+1

Registration deadline: Saturday, November 1 11:59 UTC+1

Registration and abstract submission: tinyurl.com/2w5n3e8

We hope you will join us for this event.

The YSF Organising Committee

Ana Serra Silva Communications Officer for the Systematics Association

Communications SystAss <communications@systass.org>

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PacificGrove CA PopEvolQuantGenetics Jun9-12

Check out the website for details!

JUNE 9-12, 2026 | PACIFIC GROVE, CA

Join us for the 2026 Population, Evolutionary, and Quantitative Genetics Conference

The 2026 Population, Evolutionary, and Quantitative Genetics Conference promotes cross-disciplinary exchange between researchers doing theoretical and experimental work in these broad fields. Building on the successes of past conferences, PEQG 2026 will span a diverse array of topics across Evolutionary Genetics, Population Genetics, Quantitative Genetics, and Science & Society. In addition to the invited speakers in the Plenary Sessions and abstract-driven Platform Sessions, the 2026 meeting will feature the James F. Crow Award Symposium, and professional development and networking events.

PEQG 2026 website

The conference website is now live with information about organizers, a preliminary schedule, awards and funding, international attendance, and the meeting venue. Additional updates will be published as they become available, so make sure to bookmark the site!

Keynote address:

John Novembre

Jeffrey Ross-Ibarra

Jenny Tung

For more details and session chair information visit the website.

Abstract submission and registration will open on November 14, 2025.

Review the various abstract submission topics, and start thinking about your submission now! The abstract submission deadline is February 5, 2026, at 8:00 p.m. EDT.

Questions? Email GSAConferences@genetics-gsa.org.

Thank you to our sponsors!

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Genetics Society of America, 6120 Executive Boulevard Suite 550, Rockville, Maryland 20852, United States

Genetics Society of America <society@genetics-gsa.org>

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SanDiego PAG33 Jan9

At the upcoming PAG 33 meeting, we will once again host the Genomes for Conservation of Critically Endangered Species (https://intlpag.org/PAG33/). The workshop will be held on Friday, January 9th, from 10:30 AM to 12:40 PM.

We are soliciting abstracts from interested individuals and groups to present at the workshop. Any projects that currently involve (or may in the future involve) nanopore sequencing are appropriate for consideration. This includes wet lab and bioinformatic methods, de novo genome sequencing projects, population genetic projects, outreach initiatives, or other projects derived from participation in generating the primary genomic resources for species of conservation concern.

To submit an abstract, please email it in any format to the workshop organizer before Monday, October 27th. Selected abstracts for oral presentations will be ~15 minutes long. Presenting authors will be contacted by October 30th to provide a title. Early bird registration is ending soon (Oct. 31st) with rates increasing on Nov. 1st; however, workshop speakers are able to obtain 'early-bird' registration rates after November.

Last year's program can be found here: https://plan.core-apps.com/pag32/event/-ccb7e3a674d26e5273e1670285c87c72 If you have questions, please get in touch!

Jill Wegrzyn jill.wegrzyn@uconn.edu

"Lambert, Karelyn" <zsc25001@uconn.edu>

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SanDiego PAG33 PopConservationGenomics Jan9-14

Call for Abstracts 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. Please send your abstract of no more than 250 words by e-mail to Om Rajora (Om.Rajora@unb.ca) as an attached Word file no later than October 31, 2026. Please make sure to include complete affiliations of all authors and email address of the corresponding author. You will be notified by November 7, 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@unb.ca

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Om Rajora <om.rajora@unb.ca>

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SorbonneU AgingEvolutionEcolPhilosophy Dec8

Dear all,

Please find below an advertisement and invitation to attend the 4th edition of the colloquium "*Expanding evolutionary theories of ageing to take into account symbioses and interactions throughout the Web of Life*".

Feel very free to advertise by forwarding this email to anyone you may think would be interested.

The event is free, hybrid (attendees can join either in person or virtually) but upon registration by email before November 28th to : epbapteste@gmail.com. <epbapteste@gmail.com>. When emailing, please let me know whether you would prefer to attend virtually or in person (40 seats, on a first serve, first come basis).

It will take place within the University Jussieu, Jussieu Campus, on December 8th, 2025.

Kind regards,

Eric Bapteste

Program:

This colloquium will seek to explore traditional limits to the main evolutionary theories of ageing and to propose novel findings to improve our understanding of how, why and when organisms age in the Web of Life. It will question the explanatory scope and the phylogenetic scope of at least three leading, stimulating evolutionary theories of ageing, namely the Mutation Accumulation theory, the Antagonistic pleiotropy theory and the Disposable Soma theory. Indeed, these theories share a common blindspot. The first two have been developed under the traditional framework of population genetics, and therefore are logically centered on the ageing of individuals within a population or within a species. The third one is usually applied to explain ageing within a species. Consequently, these theories do not explicitly model the countless interspecific and ecological interactions, such as symbioses and host-microbiomes associations,

however well-known to affect many organismal traits as well as organismal evolution. Moreover, these theories have been mostly developed with animal models in mind, mainly those with a neat germen/soma distinction, such as mice and humans, and for this reason all these theories may benefit from novel conceptual developments to further justify and possibly expand their application scope towards other taxa, such as unicellular organisms (protists, bacteria and archaea), which have long been considered, by default and probably erroneously, as non-senescent, and such as extremely long lived taxa, which owing to their unusual biology may still have some lessons to contribute to these theories.

Scientific program for the day:

Provisional program (the speaker order is not truly in order yet)

The current theoretical framework and some of its limits

*Pr. Annette Baudisch (University of Southern Denmark, DK) ≪ Inclusive definitions of aging across scales of organization≫ *

Pr. Joao Pedro de Magalhaes - distancial- (University of Birmingham, UK) ≪ Do we need (unifying) evolutionary theories of aging and what for?≫

Pr. Mark Mc Auley (School of Science, Engineering and Environment, University of Salford Manchester, Salford): Emerging ideas about the evolution of aging

*Ageing and regeneration *

Dr. Marina Shkreli (Institute for Research on Cancer and Aging, Nice (IRCAN), France) ≪ Aging and regeneration≫

Dr. Lucie Laplane (Université Paris 1 Panthéon-Sorbonne & Institut Gustave Roussy, France) ≪ Philosophy of biology: Stem cells and the triad development/regeneration-aging-cancer ≫

Dr. Elena Sergeeva (Tufts Center for Regenerative and Developmental Biology, Tufts UniversityUSA): *Aging as a Default State*

Transcriptomics and aging

*Dr. Michael Rera (Unité de Biologie Fonctionnelle et Adaptative, Paris, France) ≪ Rethinking ageing as a discontinuous process**≫*

Dr. Eric Bapteste (CNRS, ISYEB, Paris, France) ≪ Tracking inter- and intra-individual heterogeneity during aging using networks ≫

Open issues

Dr. Claudio Franceschi (University of Bologna, Italy) ≪What we still ignore about aging despite decades of research ? ≫

Alternative models to study ageing

*Dr. Ido Pen (Faculty of Science and Engineering, The University of Groeningen, NL) ≪ Ageing and cooperation/ageing in social insects ≫ *

Dr. Sergi Munné-Bosch (Department of Evolutionary Biology, Ecology and Environmental Sciences, University of Barcelona, Spain) ≪ Aging and senescence in plants ≫

Pr. Hanna Salman (Department of Physics and Astronomy, University of Pittsburgh,USA) & Pr. Zoltan Oltvai (Department of Pathology, University of Pittsburgh, USA) -remote talk- ≪ Bacterial ageing. ≫

Dr. Giovanni Levi (MNHN, Paris, France) ≪ How mutations on Dlx genes limited to GABAergic neurons in the brain affect metabolism, sociality, and aging. ≫

Pr. Bjoern Schumacher (Institute for Genome Stability in Aging and Disease,University of Cologne, Germany) ≪ Aging clocks based on accumulating stochastic variation ≫

Pr. Vadim Gladyshev (Harvard Medical School, USA) ≪ Epigenetic, aging and rejuvenation ≫

— / —

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

SorbonneU InterdisciplinaryMicrobiomes Dec12

Dear all,

Please find below a description of the interdisciplinary colloquium ≪ New Challenges Induced by Microbiomes ≫ (REVMICNAT6) (funded by the French National Center for Scientific Research (CNRS) via the GDR REVMICNAT : https://www.sb-roscoff.fr/fr/revmicnat and https://www.sb-roscoff.fr/en/revmicnat).

Anyone is invited to attend. Feel very free to advertise by forwarding this email to anyone you may think would be interested.

The GDR REVMICNAT offers to contribute (partially or fully) to one more contributed talk : if you have something you would like to share with us about microbiomes,

and you would like your talk to be selected, please simply email a title and an abstract to : epbapteste@gmail.com before November 10th 2025.

The event is free, hybrid (attendees can join either in person or virtually) but upon registration by email before November 28th to : epbapteste@gmail.com. When emailing, please let me know whether you would prefer to attend virtually or in person (40 seats, on a first serve, first come basis).

It will take place within the University Jussieu, Jussieu Campus, on December 12th 2025.

Kind regards,

Eric Bapteste and Fabrice Not.

Provisional program :

9:00-9:05: A few welcome words. Dr. E. Bapteste (CNRS, ISYEB, Paris, France)

9:06-9:26: Today's Biology: Soil microbiota and sustainability. Pr. Marc-André Sélosse (MNHN, France)

9:27-9:47: Today's Biology: TBD. Dr. Catherine Larose (CNRS-Université Grenoble Alpes, France)

9:48-10:08: Today's Biology: Microbiomes myths and misconceptions. Dr. Alan Walker (University of Aberdeen, Scotland)

10:09-10:29: Today's Biophysics: The physiology of microbial interactions: new lessons from considerations on microbial dispersal and diet preferences. Dr. Johannes Keegstra (ETH Zürich, Switzerland)

10:30-10:50: Today's Biology: Environmental microbiome resilience and climate change. Dr. Ashley Shade (CNRS, Ampère, CNRS/Ecole Centrale de Lyon/INSA Lyon/Université Claude Bernard, France)

10:55-11:15: Sustainable food : Microbial solutions for global challenges. Dr. Joshua Evans (Sustainable Food Innovation Center for Biosustainability, Technical University of Denmark, Denmark)

11:16-11:36: Ethnology : Ethnology of microbiomes in cheese. Dr. Ãlise Demeulenaere (Centre Alexandre Koyré, UMR 8560 CNRS - Ecole des Hautes Etudes en Sciences Sociales - Muséum National d'Histoire Naturelle, Aubervilliers, France)

11:37-11:57: Sports: The role of microbiomes in athletic performance. Dr. Jeremy Koenig (Halifax, Canada)

13:30-13:50: Art: Museology and microbiomes. Dr. Adam Bencard (University of Copenhagen, Department of Public Health, Medical Museion and CBMR, Denmark)

13:51-14:11: Diffusion: Microbiomes and citizen sciences. Pr. Rob Dunn (Department of Applied Ecology, NC State University, USA)

14:12-14:32: Architecture: Architecture and microbiomes. Dr. Cédric Libert (MArch AA School of Architecture London, UK) & Dr. Francesca Guerrieri (Centre Recherche sur le Cancer, Lyon, France)

14:33-14:53: Semiotics: Semiotics and microbiomes. Pr. Jocelyne Arqembourg (Université Sorbonne Nouvelle, Paris, France)

14:54-15:14: Today's Biology: Evolution of microbiomes. Dr. Rafael Ponce-Toledo (Sorbonne-Université, France)

15:15-15:35: Tomorrow's Biology: Microbiomes and mining. Dr. Laura Hug (U. Waterloo, Canada)

15:40-16:00: Art: Microbiomes and art. Pr. François-Joseph Lapointe (Université de Montréal, Québec, Canada)

16:01-16:21: Tomorrow's Biology: Principles underlying cross-kingdom molecular connections. Dr. Rebecka Sepela (Department of Molecular and Cellular Biology, Harvard University, Cambridge, USA)

Dr. Eric Bapteste Department of Computational and Quantitative Biology, UMR 7238 Sorbonne Université-CNRS, Campus Pierre et Marie Curie, Building A - 4th floor, room 427, 4, place Jussieu, 75005 Paris France -

Nouveaux livres pour enfants et curieux: (*Collection: les Petits Darwin*) *"Qui vit le plus longtemps?" (Collection les Petits Darwin, Amazon)* "Le monde surprenant des microbes: virus, bactéries, archées (2ème édition)(Collection: les Petits Darwin, Amazon) "Tout se transforme! Comment marche l'évolution" (2ème édition (Collection: les Petits Darwin, Amazon)

Livres pour adultes: *"La Vie élastique. Révolutions dans le vieillissement¿' (Belin, 2025)* "Tous entrelacés! Des gènes aux super-organismes, les réseaux de l'évolution" (Belin) "Les gènes voyageurs: l'odyssée de l'évolution" (Belin) "Conflits intérieurs: fable scientifique" (Editions Matériologiques)

Bapteste Eric <epbapteste@gmail.com>

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Stockholm Palaeogenomics ICP2026 Jun23-26

Dear everyone,

We are pleased to announce the first International Conference on Palaeogenomics, which will take place in Stockholm (Sweden) June 23-26, 2026!

The abstract submission portal is now open: icp2026.palaeogenomics.org/abstracts/

The topics will encompass all aspects of palaeogenomics research, including ancient DNA studies of humans, wildlife, domestic species, sediments and microbiomes, as well as museomics, methods development, ancient RNA and palaeoproteomics.

We welcome abstracts from researchers at all career stages, from students to senior researchers. Overall, we hope to offer >100 speaker slots during the conference, as well as a comprehensive poster session. The deadline for abstract submission is November 30th and we will communicate the outcome of the abstract selection process well before the early bird registration deadline.

We also invite interested parties to propose user-driven workshops on the day before the conference (i.e. Monday June 22nd), for example focusing on a particular question, taxon, or method. Please see the conference webpage for more information and contact details.

With kind regards,

The ICP2026 Organizing Committee

Erik Ersmark Love Dalen David Diez del Molino Anders Gotherstrom Peter D. Heintzman Maja Krzewinska Anna Linderholm Magnus Lundgren Tom van der Valk

Love Dalen <love.dalen@zoologi.su.se>

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UOxford Evolution Jan7-9

CfP: Biological Relativity, Evolution for the 21st Century | 7-9 January, 2026 | Balliol College | University of Oxford

https://oxford2025evolutionconference.com/ The Third Way of Evolution, in collaboration with the University of Oxford, Balliol College, and Voices from Oxford, will host a three-day International Conference titled Biological Relativity: Evolution for the 21st Century.

Renowned leaders will assess the current state-of-the-art in evolution research and propose future directions for innovation in and outside of the academic sciences. The conference will address themes and topics within the evolutionary, biomedical, epigenetic, philosophical, systems-theoretical, and technological sciences.

Conference attendance is open to everyone, and participation is possible onsite and online after registration. Lectures are by invitation only. Scholars interested in presenting a poster presentation can submit their abstracts here:

https://oxford2025evolutionconference.com/-registration-poster-submission/ The conference committee is happy to announce it will be awarding ten travel awards to junior poster presenters, each worth ïÂ¿Â½1,000.

We look forward to welcoming you to this pathbreaking conference!

Program

January 7th, 2026

THEME: Biological Relativity and the Biomedical Sciences * Denis Noble - Biological Relativity and its Implementation in Theories of Evolution * Benedikt HallgrïÂ¿Â½msson - The Polygenic Basis for Mendelian Disease and the Attribution of Cause * Azra Raza - The Unpredictable Trajectory of Clonal Evolution in Cancer and the Imperative of Early Detection * Laura Weyrich - Forthcoming

THEME: Natural Genetic Engineering, Biogenesis, and Reticulate Evolution * James A. Shapiro - How Life Changes Itself in Evolution Organically * Joana C. Xavier - Causality at the Root: Metabolism, Cooperation, and the Making of Life * Marilyn J. Roossinck - Viruses, Fungi, and Plants: Intimate Relationships * Predrag Slijepcevic - Biocivilisations: A New Look at the Science of Life

Evening Activity: Recital by Denis Noble and the Oxford Trobadors

January 8th, 2026

THEME: Epigenetics and Directed Evolution of Complex Systems * Raju Pookottil - BEEM: Biological Emergence-based Evolutionary Mechanism: How Species Direct Their Own Evolution * John Mattick - Kuhnian Revolutions in Molecular Biology and Evolution * Abir U. (Andrei) Igamberdiev - Evolutionary Complexification as a Generation and Novel Interpretation of Coding Systems in the Process of Natural Computation * David Obon - Creative Overcome Theory: A Systems-Theoretical Approach to How Innovation Drives Evolution

THEME: Paradigms and Narratives of Evolution * Nathalie Gontier - From the Flower of Evolution to the 7E Cognition Approach for Understanding Sym-

bolic Evolution * Johann Peter Gogarten - Reticulate Evolution and the Units and Levels of Selection and Evolution * Laura NuïÂ¿Â½o de la Rosa - Reproduction and Evolvability * Athena Aktipis (forthcoming)

Evening Lecture by Blaise AgïÂ¿Â½era y Arcas - A Cooperative, Computational Theory of Evolution

January 9th, 2026

THEME: Cognition, Teleonomy, Agency, and Consciousness * Eva Jablonka - Evolving Evolutionary Theory: Towards a New Unification of the Life-Sciences? * Pamela Lyon - Cellular Learning and Its Possible Role in Embedding Behavioural Sequences in the Genome * Peter A. Corning - Teleonomy and Synergy: How Living Systems Shaped Biological Evolution * Kristin Andrews - The Social Origins of Consciousness

THEME: Learning and Intelligence Across and Beyond Life * Michael Levin - Origin of cognition and its impact on biomedicine and bioengineering * Oded Rechavi - Transgenerational small RNA inheritance * Richard Watson - Cognition-First Evolution * Henry H. Heng - Correcting Darwinism: Macroevolution Precedes Microevolution in Two-Phased Cycles of Information Innovation, Preservation, Mutual Selection, Population Growth, and Carrier Replacement

Daniel <oxfordevolutionconference2026@gmail.com>

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Valencia SpanishSocEvolBiology Jan21-23

Next January: 21st to 23rd, we will host the Biennial Meeting of the Spanish Society of Evolutionary Biology in Valencia (Spain). We have extended the deadline for submitting abstracts until October 22nd https://-sesbe2026.es/abstract/ The X Meeting of the Spanish Society for Evolutionary Biology, SESBE 2026, will feature a diverse array of topics in evolutionary biology, including population genetics, molecular evolution, evolutionary developmental biology, phylogenetics and phylogenomics, evolutionary ecology and palaeobiology, among others. The meeting will bring together leading keynote speakers from various fields, both emerging and established, and will include contributed scientific presentations (oral and poster). It will provide an excellent setting for networking and discussions with fellow researchers, as well as an opportunity to explore the vibrant city of Valencia.

Preeliminar program with confirmed keynote speakers: https://sesbe2026.es/programme/

On Behalf of the organizing committee.

Mireia Coscolli¿½, PhD.

http://www.mireiacoscolla.com/ Head of PathoGenOmics at I2SYSBIO

https://www.i2sysbio.es/groups/23/ Mireia Coscolla <mireia.coscolla@uv.es>

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GradStudentPositions

AMNH NewYork ComparativeBiology

We are now accepting applications for our Ph.D. in Comparative Biology Program and Graduate Fellowships Program at the American Museum of Natural History's Richard Gilder Graduate School for Fall 2026. Deadline: December 15, 2025.

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

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

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

Admission offered for the fall semester only

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

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

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CzechRepublic PlantEvolution

Are you interested in understanding global patterns of biodiversity evolution and building your career as an evolutionary biologist? We invite applications for a Ph.D. position on this topic.

Project description:

The project will broadly investigate how genome size and polyploidy influence the evolution of functional traits, adaptation, and diversification in angiosperms. By integrating large scale trait datasets, genomics, phylogenetics and evolutionary theories, with opportunities to work both on living collections and herbarium specimen, the project will address key questions in angiosperm macroevolution.

Main activities and duties:

We are looking for a highly motivated Ph.D. student with a strong interest in the diversity, evolution and ecology of angiosperms. The student will conduct research that combines the collection of trait, genome size and chromosomal data from living collections and herbarium specimen, the integration of large-scale datasets from diverse databases, and the application of cutting-edge statistical and phylogenetic comparative methods to test hypotheses in plant macroevolution.

â€â€â€âqualifications

Master's degree or equivalent in Plant Sciences (Botany), Evolutionary Biology, Ecology or a related field Solid background in plant biology (e.g., systematics, evolution, cytogenomics, ecology) Strong quantitative and analytical skills, including experience with statistical analyses and programming (preferably in R or Python) Strong written and spoken English skills (language certificate not required)

Desirable skills

Experience in working with large datasets and databases Familiarity with phylogenetic methods and comparative approaches in evolutionary biology Experience with cytological techniques and functional trait measurement in plants Experience in fieldwork or greenhouse experiments and working with herbarium collections Comfortable working in a collaborative, international environment Prior experience in scientific writing and/or publishing is considered beneficial

Applications should include:

CV (with standard details, research interests, previous experiences, list of publications [if any], and contact information of two referees) Motivation letter

We offer: The successful candidate will have the opportunity to receive mentorship and to develop their scientific career in evolutionary biology. You will join the newly established Plant Evolutionary Ecology group led by Dr. Sreetama Bhadra in the Department of Invasion Ecology, and work in an internationally collaborative team and friendly environment of the Department and the Institute. The Institute is well-equipped for the studies planned within the project.

The contract includes benefits such as:

Competitive salary Flexible working hours 25 days of vacation (when working full-time) 5 sick days (when working full-time) Lump sum meal allowance Pension scheme

Selection process: Candidates will be evaluated based on their CV and other information provided.

Application deadline:2 November2025

Send applications to: recruitment@ibot.cas.cz, subject "Ph.D. Student Position 1001"

Starting date (negotiable):1 January 2026

Duration:1 year (with the possibility of extension)

Location:PrÅhonice, Czech Republic

Additional information:If you have any questions regarding the application, please send an informal email to Dr. Sreetama Bhadra (sreetama.bhadra@ibot.cas.cz). To apply please always use the recruitment@ibot.cas.cz email address.

Bhadra Sreetama <Sreetama.Bhadra@ibot.cas.cz>

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

ENS Paris BayesianPhylogenetics

The Institute of Biology of the ï¿½cole Normale Supï¿½rieure (Paris, France) is offering a 3-years funded PhD position to explore the topic of molecular-morphological discordance in phylogenetic inference using fossil data. The PhD student will be supervised by Joï¿½lle Barido-Sottani. This project is funded as part of the MORPHOFBD ERC grant and will start in February 2026 at the earliest.

Thesis subject: The fossil record provides crucial evidence to inform our study of evolution and past diversification processes. Recent methodological developments have allowed to integrate fossil species directly into the reconstruction of phylogenetic trees, providing more accurate estimates of the age of evolutionary events as well as speciation and extinction through time. However, the current methods fail to account for many of the specific characteristics of fossil samples compared to extant species. In particular, genetic sequences are usually unavailable for fossils, so phylogenetic inferences including fossils rely on morphological characters. Combining molecular and morphological information into one inference in this way presents a number of challenges. This doctoral project aims to explore one particular challenge: the presence of discordance between morphological and molecular information, a situation in which the two different sources of information support different phylogenetic trees. Discordance can happen due for instance to convergent evolution, where the same phenotype develops independently in different clades which then appears to be closer evolutionarily than they actually are.

Expected skills: We are looking for a PhD student with a strong interest for evolutionary processes and good computational skills. Programming experience is a prerequisite, and experience using the programming languages R or Java will be appreciated. Previous experience with phylogenetics will be an advantage but is not required. The candidate must have good communication skills (oral and written) in English, and be able to work in a team on multi-disciplinary projects.

To find further details and to apply, please go to https://emploi.cnrs.fr/Offres/Doctorant/UMR8197-VALHER-202/Default.aspx?lang=EN Questions can be addressed to : Joï¿½lle Barido-Sottani Permanent researcher Institute of Biology, ENS-PSL joelle.barido-sottani@bio.ens.psl.eu

Joï¿½lle Barido-Sottani <joelle.barido-sottani@bio.ens.psl.eu>

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Europe ErasmusMundus MastersEvolBiol

We are pleased to announce that application for the Erasmus Mundus Mobility European Master Programme in Evolutionary Biology (MEME, https://www.evobio.eu/) is now open.The program is run - as before - between the University of Groningen (the Netherlands), Uppsala University (Sweden), the University of Montpellier (France), and the Ludwig-Maximilian University of Munich (Germany), with Harvard University (US) and University of Lausanne (Switzerland) as associated partners.

Students apply either through Uppsala University (https://www.uu.se/en/study/programme/masters-programme-evolutionary-biology-meme) or through University of Groningen (https://www.rug.nl/masters/-ecology-and-evolution/), depending on where the student wants to spend their first semester.

The MEME coordinators,

Martijn Egas (chair) - Groningen

Pascal Milesi - Uppsala

Celine Devaux - Montpellier

Richard Merrill - Munich

Groningen Institute for Evolutionary Life Sciences (GELIFES) Faculty of Science and Engineering University of Groningen The Netherlands Phone: +31 6 5001 9888 Office N. 5172.0578 Working days: Mo-Fr (Tue and Thu often working from home)

Martijn Egas <martijn.egas@rug.nl>

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GeorgetownU EvolutionaryGenetics

PhD Position in Evolutionary Genetics

The Armbruster Lab in the Department of Biology at Georgetown University is recruiting a motivated PhD student with interests in Evolutionary Genetics, Physiological Ecology, and/or Adaptation Genomics.The lab takes an integrative approach to studying the genetics, physiology, and ecology of life-history traits in a rapidly evolving invasive species.Current areas of emphasis in the lab include:

1. The genetic and physiological basis of diapause (dormancy) evolution in the invasive mosquito, /Aedes albopictus/.

2. The genetic and physiological basis of reproduction without blood feeding (autogeny) in /Aedes albopictus/.

The Department of Biology at Georgetown University is a supportive environment with an emphasis on individualized doctoral training and interdisciplinary research.The Department is housed in a recently completed, state-of-the-art science building. Our location in Washington, DC provides outstanding opportunities for collaboration with a wide variety of local institutions and Washington is a vibrant city with a wide range of cultural and outdoor activities that support an enjoyable work-life balance.

Graduate students admitted into the Department of Biology at Georgetown receive 5 years of guaranteed support including stipend, health care and tuition waiver.The current stipend is approx. $43,000 per year and the maximum teaching requirement is four semesters (minimum = two semesters).

Interested students should contact Peter Armbruster at paa9@georgetown.edu.Please include in your e-mail: 1) a brief description of your research interests, 2) why you are motivated to pursue a PhD degree, and 3) a copy of your current CV.

Students from all academic backgrounds are encouraged to apply.

Peter Armbruster

Davis Family Professor

Department of Biology

Georgetown University

E-mail: paa9@georgetown.edu

Peter Armbruster, Ph.D. (he/him/his) Davis Family Professor Dept. of Biology, Regents 508 Georgetown University 37th and O sts. NW Washington, DC 20057-1229

Office Phone: 202-687-2567 Lab Phone: 202-687-1741 Fax: 202-687-2567

http://www9.georgetown.edu/faculty/paa9/ Peter Armbruster <paa9@georgetown.edu>

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HongKongU Neuroethology

*Postgraduate position in neuroethology and genomics of coral reef fish.

The Schunter lab is supporting applications to well-funded Hong Kong Ph.D. Fellowships or HKU presidential fellowships. Through these schemes, interested candidates can apply for a Ph.D. position in Molecular Neuroethology in the School of Biological Sciences at the University of Hong Kong (https://www.hku.hk/-). The University is a long-standing English-speaking institution and ranks as one of the top Universities in Asia.

We are looking for a curious, ambitious and enthusiastic Ph.D. student to take part in a diverse team, working on molecular mechanisms and adaptation to changing environments. *Research topics span from neuronal to molecular to behavioural levels (www.schunterlab.com) providing a comprehensive approach to understanding how organisms respond to their environment.* The lab is associated with the Swire Institute of Marine Science, also known as SWIMS (http://www.swims.hku.hk/), a beautiful research station in a remote area of the Island of Hong Kong.

The lab combines several disciplines ranging from *marine biology*, *behaviour*, *ecology,* *molecular biology, neurobiology* to *computational biology* and prospective students should be interested in working in a cross-disciplinary environment. Generally, projects start with fieldwork or aquarium experiments with measurements of behaviour followed by molecular lab work to extract molecules of interest (e.g. DNA, RNA or proteins) and/or imaging techniques. Most projects also require large bioinformatic analyses and writeup

into scientific articles. The lab maintains long-standing international collaborations and travel is likely to be required.

Additional requirements:

- Willingness to work in a highly international and collaborative environment - If no previous experience, the student must be eager to learn bioinformatics

- Willingness to work in aquarium systems and/or fieldwork in a marine environment.

Hong Kong Ph.D. fellowships (HK$28,400 monthly plus travel allowance and research funds) are competitive and require high GPAs but come with a range of benefits. You can find more information about these fellowships here: https://gradsch.hku.hk/prospective_students/-fees_scholarships_and_financial_support/-hong_kong_phd_fellowship_scheme The application deadline is the 1st of December. Information about the Ph.D. programme, in general, can be found here https://www.gradsch.hku.hk/gradsch/ Interested candidates should send their CV, a cover letter summarizing research interests and contact information for two references to Dr. Celia Schunter (schunter@hku.hk) no later than the 1st of November to account for enough time to write a proposal for the application deadline.

Celia Schunter <celiaschunter@gmail.com>

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iomE Mainz Germany MolEvolSocialInsects

Evolution of Genes with Age and Cell-specific expression in a social insect

The Institute of Organismic and Molecular Evolution, in the Johannes Gutenberg University of Mainz, is offering a 3.5 year PhD position (E13 65%) on the molecular evolution of ageing in ants, as part of the GenEvo research training group: 'Gene Regulation in Evolution: From Molecular to Extended Phenotypes'.

Ageing is a central focus in medical research, but understanding why it evolves and how it manifests at the molecular level requires appropriate model systems. Social insects provide an exceptional opportunity in this context, as their reproductives often exhibit remarkably long lifespans. When organisms age, the strength of selection acting against traits associated with senescence declines. This weakening, referred to as the selection shadow in evolutionary theory, can be quantified by measuring the intensity of purifying selection on protein-coding genes with age-biased expression. The ant Cardiocondyla obscurior represents an excellent model for studying ageing in social insects due to its short lifespan, tractable laboratory breeding, and available molecular resources. By integrating demographic analyses, transcriptomics, and bioinformatics, this project aims to (i) generate the first single-cell RNA-seq atlas of ageing in a social insect, (ii) test whether social insect reproductives experience stronger purifying selection over an extended part of their lifespan compared to solitary species, and (iii) characterize cell type-specific senescence profiles.

Your PhD project will centre on uncovering how aged-biased expression is linked to gene evolution in social insects through an integrative approach. You will establish age-controlled queen cohorts to (i) collect high-quality RNA samples from key tissues (e.g., brain, reproductive tissue, fat body), (ii) identify tissue- and age-specific transcriptional signatures, and (iii) quantify the strength of selection across the lifespan. These results will be compared with patterns observed in both solitary and social species, providing novel insights into how sociality modulates the evolution of ageing.

Required qualifications:

Master's degree in biology, evolutionary biology, ecology, genetics, bioinformatics, entomology or related fields Strong written and spoken English skills

Advantageous qualifications:

Background in evolutionary biology, genomics, or behavioural research Experience with insect rearing and/or behavioural observations Proficiency in molecular techniques Experience with bioinformatic tools for transcriptomic and gene evolution analyses

The project is supervised by Dr. Luisa M. Jaimes Niño, Prof. Susanne Foitzik, and Prof. Shuqing Xu at the Institute of Organismic and Molecular Evolution, Johannes Gutenberg University in Mainz. In GenEvo Gene Regulation in Evolution, scientists are working together on the core question of how complex and multi-layered gene regulatory systems have evolved. Experts in the field of molecular & evolutionary biology support & train our PhD students in their interdisciplinary research as well as their personal development. This PhD project offers an exceptional opportunity to develop a strong interdisciplinary research profile at the interface of evolutionary biology, genomics, and bioinformatics providing an ideal foundation for a successful career in academia or in cutting-edge fields of molecular and evolutionary research beyond.

Application: Please submit a CV, a one-page motivation letter outlining your research interests and contact details for two referees, ljaimesn@uni-mainz.de

Application Deadline: From Nov 1st 2025, until position is filled Starting Date: as soon as possible

More information about the GenEvo Research Training Group: https://www.genevo-rtg.de/ For further inquiries, contact Luisa Jaimes ljaimesn@uni-mainz.de

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

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JohannesGutenbergU AgeingAnts

Evolution of Genes with Age and Cell-specific expression in a social insect

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Application Deadline: From Nov 1st 2025, until position is filled Starting Date: as soon as possible

More information about the GenEvo Research Training Group: https://www.genevo-rtg.de/ For further inquiries, contact Luisa Jaimes <ljaimesn@uni-mainz.de>

Luisa Jaimes <lisa190@gmail.com>

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JohnInnesCentre UK SymbiosisBehavior

POSITION: Ph.D. position in the incoming Mutualisms Research Group at the John Innes Centre, Norwich, UK.

POSITION DESCRIPTION: Many animals rely on beneficial microbes for nutrition, defence, or reproduction. In this project, the student will explore an exciting new dimension of these relationships: how microbes influence animal behaviour. The study system will be tortoise beetles, which carry an obligate bacterium that digests complex plant material for its host. Our preliminary research shows that beetle larvae without this bacterium behave very differently from their symbiotic relatives, dispersing rather than forming protective feeding groups.

This project will investigate how the presence or absence of the symbiont changes larval behaviour, the chemical and nutritional mechanisms behind these changes, and the potential consequences for survival when facing natural predators. The work will combine hypothesis-driven experiments in the laboratory with annual fieldwork in Panama, in collaboration with the Smithsonian Tropical Research Institute, to place these findings in a real-world ecological context.

The student will gain a broad skill set, including behavioural tracking, microbial manipulation, chemical analysis (GC-MS), molecular biology, and statistical modelling. They will also receive training in transferable skills such as scientific communication, project management, and public engagement.

From the outset, the student will be encouraged to take ownership of the project, shaping experimental design, developing new approaches, and driving the research with increasing independence. By integrating laboratory, analytical, and field-based methods, the student will play an active role in defining the research direction and will have opportunities to present their work at international conferences and engage with a global network of collaborators. This is an opportunity to join an inclusive, collaborative, and internationally connected research environment, working on a conceptually novel project with relevance to ecology, evolution, and sustainable agriculture.

The Norwich Research Park Biosciences Doctoral Training Programme (NRPDTP) is offering fully funded studentships for October 2026 entry. The programme offers postgraduates the opportunity to undertake a 4-year PhD research project whilst enhancing professional development and research skills through a comprehensive training programme. You will join a vibrant community of world-leading researchers. All NRPDTP students undertake a three-month professional internship placement (PIPS) during their study. The placement offers exciting and invaluable work experience designed to enhance professional development. Full support and advice will be provided by our Professional Internship team.

This project has been shortlisted for funding by the NRPDTP. Shortlisted applicants will be interviewed on 3,4 or 5 February 2026.

Visit our website for further information on eligibility and how to apply: https://-biodtp.norwichresearchpark.ac.uk/ . Our partners value diverse and inclusive work environments that are positive and supportive. Students are selected for admission without regard to gender, marital or civil partnership status, disability, race, nationality, ethnic origin, religion or belief, sexual orientation, age or social background.

To maximise accessibility and attract students from underrepresented groups to our programme we have introduced bespoke templates for applicant Personal and Research statements which will enable every applicant to fully represent themselves through providing suitable examples and evidence. These forms are on the NRPDTP website and must be used for these sections of the application form.

Entry requirements At least UK equivalence Bachelors (Honours) 2:1. English Language requirement (Faculty of Science equivalent: IELTS 6.5 overall, 6 in each category).

Funding Notes This project is awarded with a 4-year Norwich Research Park Biosciences Doctoral Training Partnership PhD DTP studentship. The studentship includes payment of tuition fees (directly to the University), a stipend to cover living expenses, and a Research Training Support Grant for each year of the studentship.

For additional information, and to clarify any questions, please contact hassan.salem@jic.ac.uk or visit www.mutualisms.net . RELEVENT REVERENCES García-Lozano, M., Henzler, C., Porras, M.Ã.G., Pons, I., Berasategui, A., Lanz, C., Budde, H., Oguchi, K., Matsuura, Y., Pauchet, Y., and Salem, H. (2024). Paleocene origin of a streamlined digestive symbiosis in leaf beetles. Current Biology. 34, 1621-1634.e9.

Berasategui, A., Breitenbach, N., García-Lozano, M., Pons, I., Sailer, B., Lanz, C., Rodríguez, V., Hipp, K.,

Ziemert, N., Windsor, D., and Salem, H. (2022). The leaf beetle Chelymorpha alternans propagates a

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KielU FungiHorizontalChromosome-Transfer

At Kiel Universityï¿½in northern Germany, the following position will be available from 1 January 2026:

*Research Associate *(m/f/d)

as part of an ERC project, with the opportunity to pursue a doctorate. The position is initially limited to three years.

The aim of the project is to uncover the genetic basis of the *horizontal transfer of accessory chromosomes* between fungal strains and species.

Our recent work shows that transfers of entire chromosomes occur frequently, and in a chromosome-specific manner, within the genus /Metarhizium/, a group of entomopathogenic fungi widely used as biological control agents (see: https://www.pnas.org/doi/10.1073/-pnas.2316284121). We will leverage this high frequency to investigate the molecular mechanisms of horizontal chromosome transfer, a phenomenon also described in several important plant pathogens and therefore of broad relevance.

Further details can be found here: https://fungal-evolutionary-genetics.de/open-positions/

For more information, please contact Dr. Michael Habig (mhabig@bot.uni-kiel.de).

Dr. Michael Habig Kiel University Am Botanischen Garten 1-11 D-24118 Kiel Germany Tel.: +49 431 880 5116 https://fungal-evolutionary-genetics.de/ Michael Habig <mhabig@bot.uni-kiel.de>

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LouisianaStateU HostMicrobiomeSymbiosis

The Tan Lab at LSU is Recruiting a PhD Student in the Ecology and Evolution of Host-Microbiome Symbiosis

Application Deadline: January 3

The Tan Lab at Louisiana State University (LSU) is recruiting a fully funded PhD student to begin in Fall 2026. Our research addresses the ecology and evolution of host-microbiome symbiosis, with a focus on uncovering the mechanisms that shape microbiome assembly, community stability, and their impacts for host traits and performance. Based on community ecology, coevolution, and symbiosis theory, this work aims to understand how interactions among diverse microbes ultimately influence the success, stability, and function of their hosts.

We use duckweedas a model system for connecting ecological and evolutionary principles to real-world applications. Duckweed's simplicity, tractability, and rapid growth enable mechanistic experiments that bridge molecular, community, and ecosystem scales. Its relevance to bioenergy and bioremediation creates a natural path from fundamental discovery to applied innovation. A central goal of our research is to advance microbiome-based strategies that enhance duckweed productivity and support sustainable environmental solutions.

Students in the lab have the flexibility to pursue diverse approaches within this conceptual framework. Projects may incorporate field-based studies of natural microbiome variation,laboratory experiments with synthetic communities,molecular and sequencing-based tools, and/or quantitative and computational analysis. The lab embraces integrative perspectives and supports students in developing creative, rigorous, and independent lines of inquiry.

The position is supported through the LSU Biological Sciences Graduate Program.

Informal inquiries can be directed to Jiaqi Tan (jtan7@lsu.edu). Prospective students are encouraged to email a CV and a personal/research statement describing relevant research experiences and interests. The official application to the LSU Biological Sciences PhD program is due January 3.

Additional information about the lab can be found at: https://www.tanlabecology.com/ Jiaqi Tan

<jtan7@lsu.edu>

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MichiganStateU LampreyGenomics

Michigan State U. LampreyEcotypeGenomics

Description: We seek applications for a PhD assistantship focused on the genomic basis of parasitic and non-parasitic ecotypes in Ichthyomyzonlamprey. Nonparasitic lampreys have repeatedly evolved from parasitic species that feed on the blood of fish hosts. This shift in life history represents a loss of a complex trait, where nonparasitic lampreys transition directly from larvae into reproductive adults without developing the apparatus or appetite for parasitic feeding. The goal of this project is to understand the genomic and developmental basis of parasitism versus nonparasitism in the silver lamprey (I. unicuspis) and northern brook lamprey (I. fossor), two closely related ecotypes with ongoing gene flow in the Laurentian Great Lakes. The selected student will lead a collaborative project with two primary components: 1) a common garden study in which full reciprocal crosses of Iu and If will be raised at the USGS Hammond Bay Biological Station (HBBS; https://www.usgs.gov/centers/great-lakes-science-center/science/hammond-bay-biological-station) in Millersburg, MI and sampled for transcriptomic and phenotypic analysis across key stages of larval development through metamorphosis into reproductive adults (nonparasitic If) or parasitic juveniles (Iu); and 2) a population genomics study in which whole genomes will be sequenced for groups of each species from multiple streams where they are co-occur. These genomes will then be used to identify genomic regions that consistently differ between ecotypes. The selected student will lead all aspects of the project, including lamprey and sample collection, assessment of reproductive and trophic phenotypes, transcriptomic and genomic analyses, writing reports, and publishing results in scientific journals. Support and training will be provided by the PI (T Buchinger) and co-PIs at MSU (J Hume and Y-W Chung-Davidson), USGS (N Johnson), University of Manitoba (M Docker), and University of Glasgow (A Jacobs). The student may also have opportunities to develop other projects that leverage research facilities at HBBS and the Genomics and Chemical Ecology Laboratory at MSU (https://www.lilabmsu.com/).

Qualifications: B.Sc. or M.Sc. (preferred) in biology, evolutionary biology, bioinformatics, genomics, or a related field. Experience or interest in fieldwork, morphology, and bioinformatics.

Location: Primary location is MSU (East Lansing, MI) with regular sampling trips (~3 days each) to HBBS (Millersburg, MI), lamprey sampling throughout the Great Lakes region, and the opportunity for a visit (~3 months) to University of Glasgow (Glasgow, Scotland) to work with Co-PI Jacobs on analysis of genomics data.

Start date: March-June 2026.

Stipend: ~$35,000/ year; health insurance and tuition waiver. Funding is expected for 4.5 years.

To Apply: Send a letter of interest including a brief summary of background and qualifications and a CV to Tyler Buchinger (buching6@msu.edu).

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

Tyler Buchinger Assistant Professor Department of Fisheries and Wildlife Michigan State University Office: (517) 355-4106 Google Scholar profile

“Buchinger, Tyler” <buching6@msu.edu>

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Montpellier PlantConvergentEvolution 2026

Within the Horizon 2020 funded project “ROTATES” (rotates.eu), we are looking for a PhD student to work on cassava and taro genomics hosted by the DEFI team (AGAP institute, CIRAD), Montpellier, France.

Application Deadline: 15th of December 2025.

How to apply: send a CV, letter of motivation, and two referees contact to hana.chair[at]cirad.fr and bertrand.fouks[at]cirad.fr

Taro and cassava exemplify convergent evolution in response to human selection, despite wide phylogenetic and genomic divergence.

Both plants have undergone convergent evolution to become starch-rich, clonally propagated crops suited to tropical agriculture. Indeed, both developed enlarged underground storage organs (corms in taro, tuberous

roots in cassava), driven by human selection for carbohydrate yield. These two crops are primarily propagated vegetatively (taro via corms, cassava via stem cuttings), leading to clonality and reduced effective recombination. Domestication of those two crops led to changes in the regulation of starch biosynthesis genes, storage organ development genes, as well as changes in hormonal signalling (e.g., auxin and cytokinin). In addition, both crops show signs of domestication syndrome, with reduced toxicity (cyanogenic compounds in cassava; acridity in taro) and enhanced yield.

Despite these phenotypic similarities, both crops have many different life-history traits. While taro (Araceae) is a monocot with a haploid genome size of ~2.5 Gb, displaying different levels of ploidy (2n$) (diploid or triploid), and with most likely two origins of domestication in South East Asia and in Oceania, cassava (Euphorbiaceae) is a eudicot with a haploid genome size of ~770 Mb diploid (2n = 36), domesticated in the Amazon basin- South America. Furthermore, taro is often sterile with limited sexual reproduction, while sexual reproduction is still more proliferative in cassava.

To unravel the molecular basis and consequences of selection in both taro and cassava, a pangenome approach will be applied, allowing a holistic comparison of the molecular processes underlying their convergent domestication. The advent of sequencing technologies, along with the development of powerful bioinformatic tools, has led to a sharp understanding of the molecular mechanisms underlying evolutionary processes, unveiling the significant impact of structural variants (copy number variations, chromosomal rearrangements, transposable elements, presence/absence variations Â) (even) at the population level. The pangenome approach bears several advantages compared to the classic comparative genomics approach, allowing to unravel, among other things, gene family size variation within a single species, identify genomic regions and features that are shared by a whole species or those that are specific to some populations and account for both single nucleotide and structural variant polymorphisms.

Using whole genome re-sequencing data of cassava (~ 100 accessions) and taro (~ 50 accessions) produced within the ROTATES project, the methodology will be as follow:

- Pangenome Construction: to identify within each species core vs. accessory genes, gene presence/absence variations, and structural rearrangements, pangenome graphs will be constructed for each species using at least two already published high quality genome assemblies (from different accessions) for each species. Those graphs will then be augmented with the reads obtained from the sequencing of the different accessions collected during ROTATES, as well as accessions already sequenced (cassava > 300, taro > 5).

- Comparative Genomics: To unravel the molecular basis of convergent evolution in cassava and taro, a phylogenomic approach will be applied using the target species (cassava and taro), their wild relatives, and sister groups, as well as outlier species. Those analyses will yield a wide phylogenetic reconstruction, the characterization of ortholog genes for the different clades and families, and the dynamics of gene family size variation and protein domains rearrangements.

- Detection of Selection Analyses: To detect footprint selection, genome-wide inter- and intraspecific selection tests will be performed. Interspecific selection tests will be conducted with the detection of selection in phylogenies. At the intraspecific level, several population genetic metrics will be calculated to account for different types of selection.

For all the approaches described above, the PhD student will adapt its workflow according to the literature and the development of new tools and algorithms, enabling state-of-the-art analyses to unravel the molecular basis underlying the convergent evolution of cassava and taro.

The successful candidate will be hosted within our team (DEFI, part of the AGAP institute [https://umr-agap.cirad.fr/en] at CIRAD) in

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NIOO-KNAW Netherlands InsectClimateAdaptation

PhD position: Seasonal Timing of Egg Overwintering Insects under Climate Change

Application deadline: 7 December 2025

What? 4-year fully funded PhD position at the Netherlands Institute of Ecology (NIOO-KNAW) with the goal to identify universal mechanisms underlying the temperature sensitivity of insect egg developmental time. To provide insight into the adaptive potential of wild insect populations to climate change.

Preferred start date: 15 February 2026

Why? Insect species that overwinter as eggs are particularly vulnerable to climate change, as egg development time strongly depends on temperature. However, we know little about the mechanisms underlying insect egg developmental time and to what extent these mechanisms are universal across insects, making it difficult to assess population adaptive potential.

Who? You will address this knowledge gap together with dr. Natalie van Dis and prof. dr. Marcel Visser at the Department of Animal Ecology at the Netherlands Institute of Ecology (NIOO-KNAW), as part of an NWO ENW M2 grant funded in collaboration with dr. Maurijn van der Zee at the Institute of Biology Leiden (IBL)

How? You will set up and carry out an extensive trait characterization of the seasonal timing of egg development in wild populations of 12 insect species (true bugs, moths and grasshoppers) - including field sampling and monitoring, temperature experiments and fluorescence microscopy - to determine how egg development time of each species is affected by temperature and how their responses differ.

Selection criteria - Highly motivated candidate who is eager to learn - MSc in Ecology, Evolutionary Biology, Entomology or related field - Strong interest in the ecology and evolution of insects - Ability to work both independently and collaboratively in an academic research team - Excellent communication skills in spoken and written English - Prior experience with field work, insect rearing, lab experiments, microscopy and statistical analysis in R is desirable, as is the possession of a valid driver's license

Apply now! For a full description of the position and how to apply, see: https://vacatures.knaw.nl/-job-invite/2817/ Or contact Dr. Natalie van Dis (n.vandis@nioo.knaw.nl) for more information.

"Dis, Natalie van" <N.vanDis@nioo.knaw.nl>

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PurdueU PlantEvolutionaryGenomics

PhD POSITIONS AVAILABLE - Population genetics, Genomics, Adaptive evolution, Extremophiles, Bioinformatics, Functional genomics, Quantitative genetics, Gene regulatory evolution

The Hancock Lab invites applications for PhD Students to work on questions related to evolution of complex traits and adaptation to extreme environments in plants.

Research in the lab aims to clarify the genetic bases and evolutionary histories of complex traits, with particular focus on adaptive evolution in response to challenging environments in plant systems. Research in the lab ranges from trait mapping (GWAS), population genomic analysis, modeling, functional genomic analysis and validation/investigation using CRISPR mutants.

More information about work in the lab can be found at: https://scholar.google.com/citations?user=-xv_ghYAAAAAJ&hl=en PhD students who join the lab have the opportunity to join the Purdue Computational Life Sciences (CLS) Program, part of the Computational Interdisciplinary Graduate Programs (CIGP).

The lab is part of the Department of Botany at Purdue University and is affiliated with the Center for Plant Biology as well as Computational and Systems Biology and Plant Biology training groups of PULSE (Purdue University Interdisciplinary Life Science Program). Purdue is equipped with advanced genomics and bioinformatics facilities, through the Rosen Center for Advanced Computation.

Purdue is located in West Lafayette, IN, an affordable college town with an active campus community situated next to the Wabash river with over 30 miles of bike trails. Across the river, vibrant Lafayette, IN offers a wide array of independent shops and restaurants. For weekend trips, Indianapolis and Chicago are reachable within 1-2 hours.

Informal enquiries are welcome. For formal applications, please email a cover letter, curriculum vitae, and names and contact information of at least two references to Dr. Angela Hancock (ahancock@purdue.edu). Applications ultimately must be submitted to either the Department of Botany or PULSE graduate program. Deadline to apply: December 1, 2025.

Botany PhD Program < https://ag.purdue.edu/-department/btny/graduate-program.html > Computational Interdisciplinary Graduate Program < https://-www.purdue.edu/academics/ogsps/cigp/apply.html >

Angela M. Hancock Botany and Plant Pathology 915 W. State Street Purdue University West Lafayette, IN 47907 https://ag.purdue.edu/directory/-mahancoc https://scholar.google.com/citations?user=-xv_ghYAAAAAJ&hl=en https://orcid.org/0000-0002-4768-3377 Angela Hancock <ahancock@purdue.edu>

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RBI Zagreb Croatia AdaptiveEvolutionInCaves

Graduate Position: PhD in Molecular and Evolutionary Mechanisms of Cave Adaptation RuÃºer BoÂškoviÃ Institute, Division of Molecular Biology, Zagreb, Croatia

We are inviting applications for a fully funded PhD position at the Division of Molecular Biology, RuÃºer BoÂškoviÃ Institute in Zagreb, Croatia. Our lab focuses on comparative evolutionary biology, with an emphasis on rapid adaptation in extreme environments, using cave-dwelling animals as model systems. Our research combines fieldwork, organismal biology, molecular techniques, and omics approaches to explore both the proximate mechanisms (genetic, developmental, and physiological) and the evolutionary drivers (selection, plasticity, constraint) of adaptation.

The PhD project will investigate the role of maladaptive plasticity in eye degeneration in the Mexican cavefish (Astyanax mexicanus). More information about the project can be found on our lab website (https://bilandzija.irb.hr/Projects-and-Funding) and previous publications: doi: 10.7554/eLife.51830 and doi: 10.24272/j.issn.2095-8137.2022.528.

Position details: Duration: 5 years (funding secured), a 6-month trial period will be required at the start of employment. Gross salary: approx. 2000 EUR/month, depending on qualifications. Excellent benefits including health insurance, travel support, and holiday bonuses.

Requirements: Master's degree in Biology (or related field) Proficiency in English Strong interest in evolutionary biology

Preferred qualifications: Experience with NGS analysis, statistics/R Wet lab skills (e.g. staining, imaging)

What We Offer A collaborative, English-speaking research environment Access to state-of-the-art facilities, including a dedicated Astyanax mexicanus facility and animal caretaker Professional development opportunities, including in-house workshops No teaching obligations (optional teaching/supervision available) Funding opportunities for conferences, workshops, and research visits abroad

Full details and application instructions: https://euraxess.ec.europa.eu/jobs/376540 Application deadline: 27 October 2025, 23:55 CET Please include in your motivation letter: your research interests and career goals, previous research experience (if any), why you want to join our lab, and how you can contribute to our project.

Helena BilandÂija, PhD Principal Investigator Division of Molecular Biology RuÃºer BoÂškoviÃ Institute Bijenicka cesta 54, P.O.Box 180 10000 Zagreb, Croatia

https://bilandzija.irb.hr/ Helena BilandÂija <Helena.Bilandzija@irb.hr>

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RiceUniversity EvolGenomicsMammals

PhD positions in Evolutionary and Conservation Genomics

Rice University ??? Hennelly Lab

The Hennelly lab at Rice University is recruiting PhD students to join in the Fall 2026.

Our lab studies the evolutionary processes that shape genetic and phenotypic variation in animals, mainly in mammals. We integrate population genomic data, museum and ancient DNA, fieldwork, and phenotypic data to investigate the evolutionary histories of species, how anthropogenic change alters evolutionary trajectories of species, and the molecular basis of complex and adaptive traits (https://profiles.rice.edu/faculty/lauren-hennelly).

Projects in the lab include investigating the consequences of hybridization, genomics of speciation, the consequences of domestication on reproductive biology in various domesticated species, and applying genomic tools to conservation of endangered species. Our work hasbeen mainly onwild and domestic canids, but are interested in other mammalian systems.

The PhD students (up to two being recruited) will have an opportunity to develop their own projects within the realm of the PIs research areas. We have active projects on several large mammals (like grey wolves) with partners in India, Pakistan, and other countries, as well as developing projects on local wildlife in Texas and surrounding regions.

Preferred qualifications:

BSc or MSc in biology, evolutionary biology, computational biology, conservation biology or related field

Experience or strong interest to learn computational methods and population genomic analysis

Interest in broad questions in evolutionary biology related to speciation, phylogeography, domestication, adaptation, consequences of hybridization in mammalian systems

Collaborative, team player, independent, and highly motivated

Funding and Program:

The PhD positions are fully supported (salary, health care, tuition waiver) for five years primarily through the PIs own funding with a salary of $36,000 per year. You would be a PhD student within the Ecology and Evolutionary Biology graduate program within the Department of BioSciences. Rice University is classified as a R1, private research university with an urban campus set in the vibrant and diverse city of Houston, Texas.

Before applying to the EEB program, potential students are encouraged to contact Dr. Lauren Hennelly at lh106@rice.edu. In this email, please include (1) a brief statement describing your research interests, relevant research experience, and motivation for joining the lab and (2) a CV with referee information. The application deadline for the EEB program at Rice University is December 31st, 2025.

Lauren Hennelly Assistant Professor Department of BioSciences Rice University

Houston, Texas lh106@rice.edu https://-profiles.rice.edu/faculty/lauren-hennelly Lauren Hennelly <lh106@rice.edu>

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UAlabama Birmingham EvolGenomicsComplexSystems

Join the Dolby Lab - PhD Opportunity in Evolutionary Genomics & Complex Systems

The Dolby Lab at the University of Alabama at Birmingham (UAB) is recruiting a motivated PhD student with interests in evolutionary genomics, geo-genomics, and/or complex systems.

We are an interdisciplinary group that integrates fieldwork, computation, and theory to explore how Earth shapes adaptation and the formation of species. Our work spans diverse plants, animals, and microbes, and emphasizes the integration of genomic, geo/climatic, and statistical approaches.

Possible projects include: 1. Earth-life evolution - How do mountains, rivers, and landscapes shape speciation patterns? (current systems: cacti, rodents) 2. Multiomic controls on adaptation - What relative roles do genomes, transcriptomes, chromatin, and epigenomes play in adaptation to drought? (current system: rattlesnakes) 3. Integrated statistics & theory - Adaptation of structural equation modeling, causal inference, and information theory to model Earth-life systems. 4. Spatial modeling of microbes - Leveraging eDNA and bacterial genomics to disentangle adaptive vs. neutral spatial distribution across pollution gradients (new NSF-funded project).

About UAB: UAB is a vibrant R1 urban university with a top-ranked medical school and growing emphasis on interdisciplinary science. Birmingham offers excellent recreation, food, breweries, and cultural opportunities. Our department is housed in a brand-new state-of-the-art science and engineering facility and is actively expanding its research faculty with several new recruitments. UAB consistently ranks among the most diverse universities in the country and fosters a supportive, family-friendly environment with a strong emphasis on local biotech innovation, community engagement, and work-life balance.

Interested? Email me with a brief overview of your background and why you're interested in the lab. Students from all academic backgrounds are encouraged to apply.

Greer Dolby Assistant Professor Dept of Biology, UAB www.greerdolby.org www.bajageogenomics.org "Dolby, Greer" <gdolby@uab.edu>

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UArizona EvolGenomicsOfSpeciation

Graduate student opportunities in evolutionary genomics of speciation and adaptation at the University of Arizona.

The Matzkin Lab (www.matzkinlab.org) at the University of Arizona, Department of Entomology is currently recruiting graduate students to join our diverse lab. Our integrative and interdisciplinary lab has several themes focusing mostly on the exciting cactophilic Drosophila system.

A major role of the lab focuses on the role of both seminal fluid proteins (SFPs) and male-derived female-translated proteins (mdFTPs) in the evolution of reproductive incompatibilities using the cactophilic Drosophila system. This NIH-funded project examines the role mdFTPs performed within females, leveraging the use of our newly generated transgenic system in cactophilic Drosophila, https://cactusflybase.arizona.edu/ (funded by an NSF award).

Other ongoing projects are: - Genomic evolution across cactophilic Drosophila. - Quantitative genetics of behavioral strategies, life history characteristics, morphology associated with local ecological adaptation - Ecological genomics of adaptation in cactophilic Drosophila (cactus host chemistry, nutrition, desiccation, thermal stress, aestivation, etc.) - Evolutionary genomics of plasticity and transgenerational effects

The fact that we are located in the Sonoran Desert also facilitates field focused projects. If you are interested in these or other related topics, please contact Luciano Matzkin (lmatzkin@arizona.edu) and provide a brief overview of your interests and CV.

Graduate students can apply to work in the Matzkin lab via the Entomology and Insect Science (EIS) Interdisciplinary Graduate Program (https://-insects.arizona.edu/), the Ecology and Evolutionary Biology Graduate Program (https://eeb.arizona.edu/-graduate) or the Genetics Graduate Interdisciplinary Program (https://www.genetics.arizona.edu/). The application deadline for all programs is December 1st.

Dr. Luciano M. Matzkin (he/him/el) Professor University of Arizona Department of Entomology BIO5 Institute Department of Ecology and Evolutionary Biology 520-621-1955 Marley 641F www.matzkinlab.org https:/-/cactusflybase.arizona.edu/ lmatzkin@arizona.edu

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UArkansas DamselflyClimateAdaptation

The Siepielski Lab (https://asiepielski.wordpress.com/-join-us/) invites applications for a MS student in Evolutionary Ecology. This NSF funded project will address questions focused on understanding how adaptive evolution in response to climate warming affects species tradeoffs mediating coexistence in damselflies. The MS student will join a post-doc and full-time technician dedicated to this project. Primary responsibilities will involve running field and lab experiments, conducting statistical analysis of experiments, authorship of peer-reviewed articles, and communication of findings at professional meetings. Ample opportunity exists to develop additional projects under the general themes of community ecology, population ecology, and evolutionary ecology using theory, experiments, or meta-analytical techniques.

Application Details: This position is based in the Department of Biology < https://fulbright.uark.edu/-departments/biology/ > and EEOB < https://-eeob.uark.edu/ > group at the Main Campus of the University of Arkansas (UARK). The position is funded through a mix of a teaching assistantship (9 months) and research assistantship (3 months) and includes health care benefits.

There are two parts to applying for the position: 1) an application to the graduate program, and 2) an initial application to the lab. Before applying to the graduate program at UARK, potential applicants must first submit a CV/resume and a cover letter, emailed to Dr. Siepielski: amsiepie@uark.edu. The cover letter should contain a brief description of relevant experience or a desire to gain experience in evolutionary ecology. No prior experience working in the study system is required. We are looking for someone to start field work May of 2026 and begin their MS program of study August 2026. The deadline for applying to the graduate program for a fall 2026 start is January 15, 2026; however, consideration of applications will begin immediately and continue

until the position is filled.

For more information, please email Dr. Adam Siepielski at amsiepie@uark.edu.

The University of Arkansas, Fayetteville, AR, is a RI research university located in the Ozark Mountains. The faculty and graduate students at UARK are highly interactive and include an excellent group of evolutionary biologists and ecologists. We are located in an ideal setting for field-based projects. Fayetteville, located in northwest Arkansas, offers a high quality of living at a low cost, an excellent climate, and is a large enough city to offer diverse activities and amenities. It has consistently been ranked as one of the best places to live in the US. Rock climbing, hiking, kayaking, canoeing, and especially mountain biking opportunities are in close proximity - NW AR is the "Mountain Bike Capital of the World."

Adam M. Siepielski Department of Biological Sciences University of Arkansas Fayetteville AR, 72701

Adam Siepielski <amsiepie@uark.edu>

UBasel DiatomEvolution

The research group of Dr. Elena Jovanovska at the Department of Environmental Sciences, University of Basel is offering a fully funded, four-year (100%) PhD position in evolutionary biology of microalgae, as part of the SNSF Ambizione project: 'Key functional and morphological innovations in a rapid evolutionary radiation of diatoms in African Lake Tanganyika'. The project will investigate the evolutionary process of adaptive radiation and the associated key innovation of diatoms in African Lake Tanganyika.

Project Description: Diatoms are among the most successful life forms on Earth, having taken over a substantial role in regulating the global oxygen balance and climate that other microalgae maintained for nearly a billion years. Their ecological and evolutionary success has made them dominant and diverse, yet the mechanisms behind this success remain poorly understood. This project seeks to address this question by examining the role of adaptive radiation and associated key innovations in the evolution of freshwater diatoms. By integrating morphology, physiology, genomics, transcriptomics, and computational modeling, we aim to (i) determine whether a newly discovered assemblage of diatoms of the genus Diploneis from Lake Tanganyika has diversified through adaptive radiation, and (ii) identify the morphological and physiological innovations underlying their rapid diversification.

Your position: Your work will focus on physiological innovations related to sterols, with specific aims to (i) Identify sterol composition and distribution among species, (ii) detect sterol-related innovations and associated genes by examining genomes for signatures of positive selection, and (iii) explore sterol functions and their underlying regulatory genetic networks using comparative transcriptomics.

Preferred Experience:

- Diatom culturing and single-cell DNA isolation

- Phylogenetics or genomics

- Experimental and transcriptomic work

- Sterol analysis

- Fieldwork experience and readiness for multi-week sampling expeditions to remote sites in Tanzania, Zambia, and Malawi

Qualifications:

- Master's degree in biology, ecology, evolutionary biology, microbiology, physiology, genetics, or related field

- Experience with diatom culturing, single-cell DNA isolation, phylogenetic, and sterol analyses is an advantage

- Fluent written and spoken English

- Willingness to conduct field research in remote areas of Africa

Collaborations: The project involves national and international collaborations, primarily with Prof. Nemiah Ladd and Prof. Walter Salzburger (University of Basel), Prof. Andrew Alverson (University of Arkansas), and Prof. Cyprian Katongo (University of Zambia), as well as other partners who offer opportunities for field research, joint analysis, and networking.

Application: Please submit a CV, a one-page motivation letter outlining your research interests, and two reference letters to elena.jovanovska@unibas.ch.

Application Deadline: November 15, 2025 Starting Date: January 2026

More information and application details: https://jobs.unibas.ch/offene-stellen/phd-position-in-evolutionary-biology-of-microalgae/64cf91a6-b134-4bf9-a563-9efbf83ced7e For further inquiries, contact elena.jovanovska@unibas.ch

Elena Salzburger <elena.jovanovska@unibas.ch>

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UBirmingham IslandInsectEvolution

We are advertising a PhD opportunity through the CENTA Doctoral Training Partnership, starting October 2026, based at the University of Birmingham.

The project will explore the "Island Syndrome" in arthropods, investigating how living on islands affects traits of arthropods (e.g., bees, beetles, spiders) such as body size, dispersal ability, and reproductive strategies. The PhD student will review island arthropod adaptations, analyse trait and phylogenetic data, and apply advanced statistical and modelling approaches using R. The project may include fieldwork (e.g., Scottish Hebrides, Madagascar), museum research, and work with large ecological datasets.

Requirements:A strong academic background in ecology, biology, environmental science, or a related field; good quantitative skills; and experience or willingness to learn R and ecological modelling techniques.

Supervisors:Dr. Tom Matthews (University of Birmingham), Dr. Michal Jezierski (University of Birmingham), Dr. Jon Sadler (University of Birmingham), Dr. Rob Cooke (UKCEH), and Dr. Tom Martin (Operation Wallacea)

Apply here: https://centa.ac.uk/studentship/-2026-b22-the-island-syndrome-in-arthropods/

More information about the CENTA DTP and how to apply: https://centa.ac.uk/ Contact Michal (m.t.jezierski@bham.ac.uk) or Tom (t.j.matthews@bham.ac.uk) for more information.

Please help us spread the word!

"m.t.jezierski@bham.ac.uk" <m.t.jezierski@bham.ac.uk>

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UCalifornia Berkeley RapidEvolPlants

PhD positions: Rapid evolutionary genomics in plants

Moi Exposito-Alonso Lab www.moilab.science Assistant Professor, FH HHMI Scholar Department of Integrative Biology Innovative Genomics Institute Center for Computational Biology Center for Theoretical & Evolutionary Genomics Howard Hughes Medical Institute University of California Berkeley

We are continuing to recruit PhD students in plant evolutionary genetics, experimental evolution, and ecological genetics in tropical ecosystems (various funding streams including internal Berkeley and Howard Hughes Medical Institute).

Brief description: - Topic: understanding rapid evolutionary adaptation in plants in the context of global change (see more in the Flyer). - Background: integrative!, can be bioinformatics, evolution experiments, ecology & biodiversity. - $52,000/year minimum, with yearly increases (highest step from union contract) - 5 years of funding secured - Research-focus (only two classes of co-teaching as TA in 5 years) - Top research environment: www.berkeley.edu - Collaborative lab and community: www.moilab.science/team www.moilab.science/our-values < http://www.moilab.science/our-values >

Flyer with MOILAB details ÂÃo https://docs.google.com/document/d/-1BF8UkP09r8WGm0LDbmdZYyvOah6SfVNQoFRJFEHs6e4/-edit?usp=sharing Informal form for MOILAB pre-submission interests ÂÃo https://forms.gle/-T1MN75iYn8MKdnBZA Link to all Berkeley programs and how to formally apply ÂÃo https://grad.berkeley.edu/admissions/steps-to-apply/apply/ Moisés ExpÂÂsito Alonso <moisesexpositoalonso@gmail.com>

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UCalifornia Davis AntGenomics

Hello,

I am recruiting Ph.D. students for the Department of Entomology and Nematology at the University of California, Davis, to join my lab beginning Fall 2026. My research program investigates the evolutionary and genomic mechanisms shaping mutualistic interactions, with an emphasis on ant-plant symbioses and comparative genomics of Formicinae ants.

Starting in March 2026, my lab will integrate field, genomic, phylogenetic, and systematics approaches to understand how ants evolve, diversify, and adapt to environmental change. A complementary research line will explore ant-hemipteran associations in California's agroecosystems, focusing on invasion biology and the ecological genomics of symbiosis.I would, of course, love to recruit students who already have a fondness for ants!

Please help me spread the word, and feel free to reach out - or share my contact information - with anyone who may be interested!

Thank you very much, Rodolfo da Silva Probst

Assistant Professor Department of Entomology and Nematology University of California, Davis rprobst@ucdavis.edu

Rodolfo Probst <probstrodolfo@gmail.com>

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UCalifornia SantaBarbara EvolGeneticsGenomics

Deal EvolDir community,

The Sharbrough Lab (http://sharbroughlab.com) in the Ecology, Evolution, & Marine Biology (EEMB) Department at UCSB is looking for one PhD student to join the lab in Fall 2026.

Our lab is interested in evolutionary genetics and genomics, especially, but not exclusively, in plants. Research in the lab is particularly focused on polyploidy, cytonuclear interactions, and how cytonuclear co-evolution shapes phenotypes and fitness.

Ongoing projects in the lab include:

- Genome architecture of organelle gene expression regulation - Photosynthetic and respiratory performance in diploid vs. polyploids - Mitochondrial genome evolution in the context of hybridization and introgression - Gene vs. genome dosage and its relationship to epistasis - Regulation and gene co-expression of cytonuclear interactions - Genomic patterns and evolutionary consequences of diploidization - Plant-herbivore interactions and co-evolution, particularly in the context of invasive pests - Eco-evolutionary dynamics of runaway polyploidy in mycoheterotrophic plants

Graduate students in our lab develop independent projects integrating approaches from genetic/genomic, molecular/cellular, organismal, and computational perspectives, all within a positive and collaborative environment. Strong candidates will have a record of prior research experience and a keen interest in evolutionary biology, genomics, bioinformatics, and/or plant biology.

Support for the position is guaranteed for 5 years, either as a Graduate Student Researcher (GSR) or as a Teaching Assistant (TA), with the minimum salary being set by collective bargaining agreement and years of experience. In addition, your tuition, campus registration fees and university student health insurance will be covered by fee remission as a benefit of this academic employment.

How to apply / next steps: Prior to applying to the EEMB graduate program, interested parties should email Dr. Sharbrough at jsharbro@ucsb.edu, including the following items: (1) CV including contact information for up to 3 references, (2) an unofficial transcript, and (3) a brief statement (1 pg max) describing your research interests and prior research experience. I'd be happy to discuss potential project ideas and answer questions about the EEMB program. The application deadline for the EEMB program is December 1st.

For more information about the EEMB Graduate program and requirements, see EEMB Graduate Program - UCSB (https://www.eemb.ucsb.edu/academics/-graduate) and EEMB application instructions (https:/-/www.eemb.ucsb.edu/academics/graduate/apply).

If you have colleagues or students who might be interested, please feel free to forward this email.

Joel Sharbrough, Ph.D. (he/his) Assistant Professor Ecology, Evolution, and Marine Biology University of California, Santa Barbara website: http://-sharbroughlab.com email: jsharbro@ucsb.edu

"jsharbro@ucsb.edu" <jsharbro@ucsb.edu>

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Dale Broder <edalebroder@american.edu>

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

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

UEastAnglia HumanEvolutionaryGenomics

A PhD position is available on human evolutionary genomics. The position will be based at the School of Biological Sciences at the University of East Anglia (UEA) in Norwich, UK, as part of the 4-year Norwich Research Park doctoral training program, and supervised by Dr. Anders Bergstrom.

Modern humans are unique as a species, having spread widely and transformed the world with technology and large-scale societies. But until relatively recently (~50,000 years ago), there were many other types of humans on earth, including Neanderthals and Denisovans. What was it about modern human biology if anything that set us apart from these extinct relatives and made our ancestors take over the world? This fundamental question remains unsolved.

We can now tackle this from a new angle, leveraging the unprecedented genetic data available in biobank-scale datasets. Genome sequences are now available from half to a million people, meaning that we can expect to observe rare mutations at a large fraction of sites in the human genome. We can use this to try to narrow down what parts of our genome are actually important for defining modern human-specific biology.

This project will analyse data from these ultra-large datasets, alongside data from our great apes relatives and ancient DNA from Neanderthals and Denisovans, to address the genetic basis of modern human biological uniqueness. Interrogating the genome through the lens of genetic variation observed across a million individuals has never before been possible in genetics research, not even in model organisms, and promises to transform the way we think about evolution.

The student will receive broad training in genomics, evolutionary biology, bioinformatics and population genetics. They will develop skills in large-scale data analysis and scientific programming. The student will take part in journal clubs and departmental seminars, present their work at conferences, and strengthen their abilities in critical thinking and science communication.

The ideal candidate will have a background in a biological science (e.g. genetics, molecular biology, evolutionary biology) or a quantitative science (e.g. computer science, statistics, physics), and have strong interests in genomics, data analysis and evolution.

Application deadline: 2 December 2025. Start date: 1st October 2026. Fully funded through the NRPDTP, open to applicants of all nationalities. For more information, including on how to apply, see: https://biodtp.norwichresearchpark.ac.uk/projects/-the-genomics-of-modern-human-biological-uniqueness-bergstrom_u26dtp/ For informal inquiries please contact Anders Bergstrom: a.bergstrom@uea.ac.uk

"Anders Bergstrom (BIO - Staff)" <A.Bergstrom@uea.ac.uk>

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UEdinburgh EvolutionGenomicsPrimates

Genomic architecture of speciation and gene flow in an exceptionally diverse primate group

Funding Status:

Funding is in competition with other projects and students through Doctoral Training Programs (NERC and Darwin Trust)

Project Description

The chromosomal theory of speciation stipulates that differences in karyotypes, consisting of fissions and fusions, and intrachromosomal structural variants, are strong barriers to gene flow. This is supported by the observations that closely related species often differ in karyotype. Guenons, the most genetically diverse African primates, seem to defy many of the general rules of speciation. Despite the presence of pronounced karyotypic differences, with diploid chromosome numbers ranging from 48 to 72, guenons hybridise in captivity and the wild, producing viable and at least partially fertile offspring between species that have diverged millions of years ago. This is not a new phenomenon, as guenons hybridised extensively throughout their 10 million years of evolutionary history, despite the presence of chromosomal differences.

The aim of this project is to study the genomic mechanisms underlying the rapid karyotypic evolution and preservation of genetic compatibilities despite deep evolutionary divergence. Karyotypic differences have been proposed to be both the driver of speciation and the consequence of gene flow, but we have very limited understanding of how they emerge, from the evolution of chromosomal breakpoints to the emergence of novel centromeres. In this project, we will use long-read sequencing and chromosome-resolved genome assemblies to study these fundamental evolutionary processes in a unique system of close human relatives.

Key research questions

- Are certain chromosomes or chromosomal regions more prone to breaking and are some genomic features, e.g., the presence of specific repeats, a prerequisite for chromosomal fissions and fusions?

- How do novel centromeres emerge on newly generated chromosomes and what are their precursors on the ancestral chromosomes?

- What consequences do chromosome fissions and fusions have on the landscape of recombination and evolutionary processes that depend on it?

- Given extensive ancestral hybridisation in guenons, how does genomic architecture influence the exchange of genetic material? Which specific genomic features facilitate or hinder gene flow?

- What explains the difference in the rate of evolution, including rearrangements, across guenon chromosomes?

The project relies on newly generated long-read PacBio HiFi and Hi-C data for up to 14 guenon species (8 genomes are already assembled). The focal species span the entire breadth of guenon chromosomal diversity, with representatives of all genera and species groups, including all major participants in ancient gene flow events and karyotypic extremes. We will also include publicly available genome assemblies from closely related primates. This is a computational project and it will be conducted in collaboration with researchers in the UK, Sweden, and France.

Candidate requirements

To be eligible for a PhD-student position, the applicant should have at least an upper 2.1 degree in evolutionary biology, bioinformatics. In the British system, candidates who have successfully finished their undergraduate degree (Honours) are eligible to apply. The technical skills of the candidates will be evaluated based on the experience with large-scale sequencing analyses and bioinformatics proficiency. Experience with genome assembly will be an advantage. The ideal candidate will have a strong interest and documented knowledge in evolutionary biology, with a drive to understand processes

involved in speciation. Perseverance and high intrinsic motivation are necessary to successfully complete a PhD project and overcome the unavoidable obstacles with data and analyses. You will be highly reliable, driven and well-organised, curious and willing to think outside the box, with the ability to quickly acquire new skills, and enjoy working both independently and as part of a team.

The position will begin Fall 2026. The deadlines depend on the DTP (Sunday 14th December 2025, midnight GMT for E5 and some time in January or February for Darwin Trust), but supervisors have to propose candidates to be considered, particularly for candidates applying from outside of the UK. Interested students should send a CV and a brief letter of interest to Dr. Katerina Guschanski (Katerina.Guschanski@ed.ac.uk). Please also reach out with informal questions.

E5 DTP (NERC), deadline Sunday 14th December 2025 (midnight GMT)

https://e5-dtp.ed.ac.uk/project?item=1679 Darwin Trust, deadline January or February 2026

https://darwintrust.bio.ed.ac.uk/edinburgh More information about the research group

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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 ParityModeFitnessTrajectories

We have a PhD position available in the NERC Iapetus2 Doctoral Training Program (DTP). This studentship is fully funded for stipend, tuition fees, and includes a research and training budget. The studentship is based at the University of Glasgow (PI: Kathryn Elmer) and co-supervised with Mike Ritchie at St Andrews University and Jelle Boonekamp at University of Glasgow

Please find more information at the DTP website for the project https://iapetus.ac.uk/studentships/-how-age-dependent-sexual-selection-and-parity-mode-shape-fitness-trajectories-in-reptile-reproduction/ And information about the Training Programme here https://iapetus.ac.uk/about/ Project IAP-25-028: How Age-Dependent Sexual Selection and Parity Mode Shape Fitness Trajectories in Reptile Reproduction

This project investigates how mate choice and reproductive strategies evolve in the Eurasian common lizard (Zootoca vivipara), an unusual species exhibiting both egg-laying (oviparous) and live-bearing (viviparous) reproductive modes. By studying populations where these modes coexist and even hybridise, the research explores how female age, health, and parity mode influence reproductive investment and polyandry. Mate choice affects genetic diversity, fitness, and ecological dynamics, with age-related changes in female strategy predicted by life history theory. The project leverages molecular ageing techniques and demographic analyses to assess how reproductive decisions vary with age and environment. It aims to quantify the costs and benefits of mating strategies and their interaction with parity mode evolution. Ultimately, this work will provide novel insights into the behavioural and genetic consequences of reproductive diversity, contributing to evolutionary biology and conservation by testing theoretical predictions in a natural system with unique reproductive variation.

The project is offered within the DTP and acceptance to the DTP program is competitive, with final candidate selection handled by Iapetus2.

The studentship will start Oct 2026.

The successful candidate for this project is likely to be someone with a strong background in evolution and/or population genetics and 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 student will join an active, collegial, and dynamic research group with on-going funded project in this topic. The studentship is based with Prof. Elmer (U Glasgow). Co-supervisor Prof. Ritchie (U St Andrews) studies evolutionary biology and evolutionary genetics with a focus on sexual selection and behavioural strategies. Co-supervisor Dr. Boonekamp (U Glasgow) is interested in life history trade-offs and reproductive decisions.

The University of Glasgow ranks in the world's top 100 universities. The School of Biodiversity, One Health & Veterinary Medicine is an excellent 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.

Eligibility: This studentship is open to UK and international students - we welcome a diversity of applicants! See details of eligibility at the IAPETUS2 website. The selection process for international applicants is different than that for UK-resident (Home) applicants. Iapetus will be holding an online Q&A application workshop on Wednesday 26th November at 2pm. This is an opportunity for applicants to listen to a brief presentation on the application process as well as to ask any questions they may have. The link to sign up for the workshop will be on the website shortly.

Deadline: International applicants must contact Prof Elmer directly with a CV and statement of interest by 8 Dec 2025. There is a specific application route and earlier deadline for international students. UK-resident applicants are encouraged to contact Prof Elmer by 15 Dec 2025 with a CV and statement of interest and/or draft of the IAPETUS2 studentship competition application form template. Informal inquiries to Kathryn Elmer in advance of the deadlines are welcome.

Final applications are due through the IAPETUS2 website using their form by 5 Jan 2026.

EDI: In order to address historical imbalances in the higher education sector, Iapetus is committed to recruiting a diverse, representative community of researchers in Environmental Science. The DTP has developed an Equality, Diversity and Inclusion policy to further this. This includes the Widening Participation Scheme,

which identifies Home applicants from underrepresented groups. Also, we are pleased to introduce the

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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

UGlasgow SexChromosomeEvolViviparity

We have a PhD position available in the NorthWestBio Doctoral Training Program (UK). This position is fully funded for stipend, tuition fees, and includes a research budget. The studentship is hosted at the University of Glasgow (PI: Kathryn Elmer) and co-supervised at Queen's University Belfast (co-PI: Isabella Capellini). The studentship would start Oct 2026 and funded for 3.5 years

The project is offered within the DTP and acceptance to the DTP program is completive and managed by NorthWest Bio.

The student will join a cohort of students and supervisors working in biosciences to address global challenges, fundamental science, and sustainability. The program offers a range of professional development opportunities in research and training.

Project: INVESTIGATING GENOMIC AND DEVELOPMENTAL EFFECTS OF SEX CHROMOSOME INCOMPATIBILITIES ON REPRODUCTION

Summary: This project explores how sex chromosome architecture shapes organismal health, development, and fitness. Sex chromosomes play critical roles beyond sex determination, influencing genome-wide gene regulation, developmental pathways, and energy metabolism. Structural changes such as fusions, inversions, and the formation of neo-sex chromosomes can disrupt gene function and expression, leading to physiological stress and altered life-history strategies. These disruptions can affect growth, reproduction, and longevity, highlighting the fundamental link between genomic architecture and organismal viability.

While the impact of genetic incompatibilities on development and health is well recognised, few systems allow for controlled testing of a wide range of genetic combinations. This project addresses that gap by focusing on a natural hybrid zone between oviparous and viviparous lizards, which differ in both reproductive mode and sex chromosome structure. This research project combines genomic sequencing, gene expression profiling, and developmental analysis to uncover how sex-linked genes contribute to resource allocation trade-offs between somatic maintenance and reproduction, providing insight into the genetic basis of health, fitness, and adaptation. As a research model, we focus on a natural hybrid zone between oviparous and viviparous common lizards (Zootoca vivipara), which differ in both reproductive mode and sex chromosome structure.

Training outcomes focus on developing advanced skills in molecular genetics, bioinformatics, and evolutionary genomics. The project provides hands-on experience with high-throughput sequencing, transcriptome analysis, and structural genome characterisation. It also trains in experimental design and life-history trait assessment, integrating molecular data with organismal biology. This interdisciplinary approach equips the researcher with expertise to address fundamental questions in genetic health, evolutionary trade-offs, and the mechanisms by which genomic architecture influences development and fitness across diverse biological systems.

Informal inquiries to Kathryn Elmer are encouraged but not required kathryn.elmer@glasgow.ac.uk

Information on the project, timeline, and how to apply is available here < https://www.gla.ac.uk/postgraduate/doctoraltraining/northwestbio/projects/bioscience/kathrynrelmer/ > University of Glasgow - Postgraduate study - Centres for Doctoral Training - NorthWest Biosciences - Our Projects - Underpinning Bioscience - Kathryn R Elmer

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

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UGlasgow TroutPollutionAdaptation

We have PhD position available in the project FROM MOLECULES TO POPULATIONS: THE GENOMIC AND PHYSIOLOGICAL LEGACY OF POLLUTION ON FRESHWATER FISH

The studentship is fully funded and hosted at the University of Glasgow for 3.5 years, with tuition fees, stipend, and contribution to research costs.

This is a CASE studentship, which involves links and an internship with a charity/industry partner. The project is within the NorthWestBio Doctoral Training programme (see details in website below). The studentship will start in Oct 2026.

Supervisors:

Dr Michelle Bellingham, University of Glasgow

Prof Kathryn Elmer, University of Glasgow

Dr Andy Sweetman, Lancaster University

Industrial Partner: Willie Yeomans. Clyde River Foundation

Project summary

Contaminants have organismal effects across scales: from nucleotides in the genome, to physiology and individual fitness and to the demography of populations. These effects can be proximate, such as DNA methylation altering gene expression, oxidative damage, morphological development, and behaviour. When in response to pollution, these epigenomic effects can have dramatic impacts on animal development, viability, and health. The effects can also be evolutionary, via molecular adaptation to contaminants that enables organisms to persist in polluted environments or reflect the history of population decline due to environmental poisoning. The genomic effect of complex environmental contamination in natural vertebrate populations and their impact on future health is currently a major knowledge gap.

Native brown trout (Salmo trutta) is the most widespread freshwater fish in the British Isles and a sentinel of environmental quality for riverbeds, sediments, and water. We have observed morphological changes in this species in response to pollution. Advances in genomic resources for this species provides a powerful biological model to understand the genetic, molecular and physiological responses to pollution.

The diverse River Clyde catchment in central Scotland has a long history of industry and human habitation. The concomitant enduring industrial legacy across the Clyde system, provides continua of pristine through highly polluted sites, and this will be the primary research and experimental area. The project will be empowered to compare genetic responses to pollution in the Clyde catchment with molecular responses of brown trout to pollution documented from other contaminated sites in the UK.

Informal inquiries to Kathryn Elmer are encouraged but not required kathryn.elmer@glasgow.ac.uk

The ideal candidate will be one with an enthusiasm for biology (especially molecular ecology and ecotoxicology, and demonstrates aptitude and experience with quantitative ecological/evolutionary/physiological research. Training will also be provided through the DTP and in the project.

Information on the project, timeline, and how to apply is available here

https://www.gla.ac.uk/postgraduate/-doctoraltraining/northwestbio/-projects/animalbiology/-frommoleculestopopulationsthegenomicandphysiologicallegacyofpollutio
Kathryn Elmer <Kathryn.Elmer@glasgow.ac.uk>

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UHamburg AdaptiveEvolution

We have recently started a new graduate school at the University of Hamburg and are currently looking to fill 14 PhD positions. While many of them are more ecological than evolutionary in nature, some might also appeal to people interested in effects of climate change on aquatic populations, eco-evo, etc. This the link to the flyer and positions: https://www.biologie.uni-hamburg.de/en/-forschung/grk2530/openpositions.html 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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UHelsinki EvolutionaryGenomics

Doctoral researcher in evolutionary genomics University of Helsinki, Finland

Project title: Genetic mechanisms behind colour diversity.

We are seeking a doctoral researcher to join a Research Council of Finland funded project led by Dr Melanie Brien investigating the genetic and molecular basis of colour pattern diversity in tiger moths. The position is available to start in early 2026, and is fully funded for 3.5 years.

The project examines the genetic mechanisms producing and maintaining colour polymorphisms in a group of tiger moth species. This colourful group provides opportunities to investigate potential repeated evolution of novel colour pattern genes, the role of regulatory elements in controlling colour variation, and the maintenance of colour polymorphisms by balancing selection. The specific goals of the PhD project can be influenced by the candidate but could involve a mix of genomic analysis, molecular lab work, insect rearing, behavioural experiments, CRISPR, field work and chemical analysis.

We welcome applications from candidates with the following requirements:

* Strong interest in evolutionary biology research. * Master's degree in ecology, evolution or related field, or a Bachelor's degree plus relevant research experience. * Interest in field work and ideally a driving licence for this. Basic bioinformatics or molecular lab skills are beneficial. * Excellent written and verbal communication skills in English.

What we offer:

* Training in molecular lab techniques and bioinformatics analysis. * Opportunities for field work in Europe. * Opportunities to visit collaborating labs. * Funding to attend conferences and training courses. * Performance based salary (job demands level 2-4), 5-7 weeks of annual leave, flexible working hours. * Occupational health care, access to high quality sports facilities and language classes. * A friendly, collaborative and international workplace within the Organismal and Evolutionary Biology Research programme https://www.helsinki.fi/en/faculty-biological-and-environmental-sciences/research/organismal-and-evolutionary-biology . How to apply: Candidates are required to submit their applications via the University of Helsinki's electronic recruitment system here: https://jobs.helsinki.fi/job/Helsinki-Doctoral-Research-in-Evolutionary-Genomics/1327596957/ Applications should include a CV including contact details for two referees, and a one-page cover letter outlining your motivations and how your previous experience/studies are relevant to the project.

Informal enquiries are welcome, please contact Melanie Brien (melanie.brien@helsinki.fi). Deadline for applications is 31st October 2025.

Melanie Brien Academy Research Fellow Organismal and Evolutionary Biology Research Program Faculty of Biological and Environmental Sciences University of Helsinki

"Brien, Melanie N" <melanie.brien@helsinki.fi>

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UMiami EvolMulticellularity

The Clarke Lab is currently recruiting PhD students to join our team in the Department of Biology at the University of Miami with an anticipated start date of Fall 2026. The deadline for application is December 1st, 2025.

Research in the Clarke lab is focused on understanding the evolution of multicellularity in animals. In particular, we study the evolution and function of cell adhesion proteins to understand how animal tissues are built. To do this, we utilize a broad range of methods in evo-devo, including comparative embryology, cell biology, biochemistry, and bioinformatics to explore how cells stick together in non-bilaterian animals (cnidarians, placozoans, sponges and ctenophores). Incoming students will have opportunities to develop independent research projects leveraging these tools to investigate animal

origins.

To learn more about our research, please visit: clarkelab.com

For more information about the Biology PhD program at UM, please visit: https://biology.as.miami.edu/-graduate/index.html Prior to applying, interested students should email Nat (natclarke@miami.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 the lab.

Nat Clarke, PhD Assistant Professor Department of Biology University of Miami Cox Science Building, 205 1301 Memorial Drive, Coral Gables, FL clarkelab.com

"Clarke, Nat" <natclarke@miami.edu>

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UNevada Reno EvolGenomicsBioinformatics

GRADUATE STUDENT POSITIONS IN EVOLUTIONARY GENOMICS AND BIOINFORMATICS AT THE UNIVERSITY OF NEVADA, RENO

The Alvarez-Ponce lab at the University of Nevada, Reno is accepting applications from potential M.S and Ph.D. students.

Research in our lab focuses on the evolution of genes and genomes, and how this evolution is shaped by natural selection. Specific topics include rates of protein evolution, the evolution of molecular networks, the evolution of methylomes, and gene duplication. More information about the lab can be found at www.genomeevol.wordpress.com . The ideal candidates would have: - A strong commitment to conducting high-quality research. - A strong interest in Genomics and Molecular Evolution. - Experience with bioinformatics analyses, including programming in any scripting language (e.g., Python). - Good communication and interpersonal skills. - The requirements to be accepted in one of UNR's graduate programs (Ecology, Evolution and Conservation Biology, Cellular and Molecular Biology, or Biology programs).

Official applications are due to the Graduate School in mid-December (EECB and CMB PhD programs) or at the beginning of February (MS in Biology program). Informal enquiries can be sent to Dr. David Alvarez-Ponce (dap@unr.edu), including: - A short application letter, addressing the applicant's motivation for the position, and how their experience and skills align with the requirements listed above. Please include your GPA and TOEFL/IELTS scores, if applicable. - A CV. - Contact information for potential referees.

The University of Nevada, Reno offers an interactive and productive research environment, including outstanding core facilities in genomics and bioinformatics. The Biology Department has a growing evolutionary genomics research community. Reno is located in the Sierra Nevada mountains near Lake Tahoe and has been rated as one of the best small cities in the US for outdoor recreation and overall quality of life.

Please circulate this post among suitable candidates.

David Alvarez-Ponce, PhD (he/him/él) Associate Professor Department of Biology University of Nevada, Reno Max Fleischmann Building, office 147A Tel.: (775) 682-5735 www.genomeevol.wordpress.com David Alvarez-Ponce <david.alvarez.ponce@gmail.com>

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UNewMexico PlantClimateEvolution

This is for Graduate Student Positions.

I am thrilled to announce that I will be starting as a new Assistant Professor in the Department of Biology at the University of New Mexico in January 2026. I will also be joining the Museum of Southwestern Biology as the Herbarium Curator! Research in my lab will aim to detect general mechanisms of plant evolution in space and time. Using a comparative framework, my lab will investigate the role of life history (i.e., traits associated with mating system, life cycle, physiology, mutualists, enemies) in predicting patterns and mechanisms of adaptation (geographic scale of local adaptation and its genetic architecture, traits and genes under changing selection). I am actively recruiting motivated and creative PhD and MS students to join my research group starting in Fall 2026.

My research vision:

Can life history predict mechanisms of adaptation across changing environments? My lab will investigate this

broad empirical question by integrating plant functional traits, population genomics, and quantitative genetics. We will also strengthen collections-based research through evolutionary inquiry in space and time. Large diversity panels of range-wide genotypes have now been sequenced for many species, including invasive plants and weed crops. This has facilitated range-wide population genomics studies and genomic predictions of adaptation to climate. These growing genomic datasets offer an unprecedented opportunity for performing comparative studies of plant adaptation in the context of life history variation and at a global scale. We will also generate range-wide genomic and functional-trait data for target species. My lab will use herbarium collections and their geographic information to build range-wide spatially and temporally extensive datasets on plant functional traits, genomes, and environments. The plant microbiome, an extended coevolved phenotype, can also be extracted from herbarium specimens. We will also quantify natural genetic variation in ecophysiological traits and fitness in controlled experiments for target species. Target species include southwestern USA invasive plants and understudied crop weeds. Understanding evolution of invasive plants and crop weeds in a comparative framework can help improve biodiversity conservation and food security, while increasing the value of collections-based research.

The opportunity:

This is a great time to join my lab. As a new group, you will have a unique opportunity to help shape our lab's research direction and culture. I am committed to providing hands-on research experience and one-on-one mentorship to ensure your scientific and professional success. You will gain a broad range of skills and have the opportunity to publish and present your work at multiple conferences. I want to shape a highly collaborative group where lab members can work together on group projects while also developing independent research based on their own passions. Graduate students will be fully funded through a combination of graduate assistantships and teaching assistantships that include tuition, a stipend, and health insurance. Applicants need a bachelor's degree in biology, ecology, evolution, or a related field. Previous experience with quantitative techniques and/or scientific computing languages (e.g., R, Python, or bash) is a plus.

How to apply:

If you are interested in joining my lab, please visit my personal website and google scholar to learn more about the breadth of my research (lab website coming soon!). Please send me your CV, transcripts (unofficial are fine), a statement of research interests, and contact information for 2-3 professional references. Email materials to:dgamba@unm.edu.

Please visit https://biology.unm.edu/graduate/-index.html for specific requirements of the Department of Biology at the University of New Mexico. The Priority Deadline is December 1st 2025 for applications to the department, but please email me the material above sooner so that I can support your application in our departmental selection of incoming students.

Diana Gamba <dgamba333@gmail.com>

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UniArizona WildAnimalMicrobiomes

Subject:Graduate Positions:UArizona.WildAnimalMicrobiomes.

PI Lauren Petrullo is recruiting prospective MS and PhD students to join our research group in Fall 2026. Our lab works on understanding how wild animals respond to challenges and changes in their environments. We use physiological, genomic, and microbial approaches to uncover proximate mechanisms that mediate animal responses to change, with a particular focus on host-microbial ecology. We are also broadly interested in maternal effects and life history plasticity, and combining theory and methods from across psychology, animal behavior, evolutionary biology, and ecology to elucidate adaptive strategies in responses to stress.

Our group is highly collaborative and includes members at multiple different career stages. We are generally excited by big picture questions in ecology and evolution. Students typically engage in a combination of fieldwork, wet lab work, dry lab work (i.e., bioinformatics) and multi-level mentorship. Students will be part of the graduate program in Ecology and Evolutionary Biology at the University of Arizona in Tucson, Arizona.

Application deadline is Dec 1, 2025. For more information and any questions email Lauren Petrullo at laurenpetrullo@arizona.edu. More info here: https://-www.laurenapetrullo.com . "Petrullo, Lauren - (laurenpetrullo)" <laurenpetrullo@arizona.edu>

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UOsnabrueck ResAssist BacterialMetabolism

Title: UOsnabrueck_BacterialMetabolism

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: "Emergence and self- organisation of bacterial metabolism in consortia of cross-feeding bacteria" - Generate and characterize bacterial mutants - Perform coculture experiments with different bacterial strains - Analyse the formation of clusters among bacteria using laser diffractometry and fluorescence microscopy - Investigate bacteria on a single-cell level using microfluidics and flow-cytometry - Quantify the production of amino acids and metabolic fluxes via mass spectrometry - Interact with collaboration partners (Alexander Grünberger, Bielefeld University; Vasily Zaburdaev, Friedrich-Alexander Universität Erlangen- Nürnberg; Knut Drescher, University of Basel) - The successful candidate will have the opportunity to work towards a PhD

Required qualifications:

- Completed university degree (M.Sc. or comparable) in biology or a related field - Solid knowledge of molecular biological methods - Practical experience with microbiological working techniques - Excellent command in written and spoken English

Desirable qualifications:

- An excellent university degree - Strong motivation and curiosity - Ability to work in an interdisciplinary team - Structured and independent way of working - Experience in high-resolution fluorescence microscopy and microfluidics - Practical experience in the use of mass spectrometry - Good working knowledge in the application of statistical analysis procedures - Sound knowledge of ecological and evolutionary concepts - Basic knowledge in the use of programming languages (e.g., Python or R)

We offer:

- An exciting and highly topical research project - Supportive working atmosphere in an international research team - Collaboration with national and international partners within the DFG priority program SPP 2389 "Emergent functions of bacterial multicellularity" - 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 November 12, 2025 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 'ESO' in the subject of your email.

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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UPittsburgh EvolutionaryEcolPolyploidy

PhD opportunity in Evolutionary Ecology

The Ashman and Turcotte labs at the University of Pittsburgh are looking to co-advise a PhD student interested in ecological and evolutionary impacts of whole genome duplication (polyploidy). The student will utilize our rapidly reproducing experimental duckweed sys-

tem to test various hypotheses concerning the benefits and limitations of this widespread and important major evolutionary change. Various research foci are possible including species or environmental interactions. Additional opportunities exist for involvement in genomic and gene expression studies.

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

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

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

"Turcotte, Martin" <TURCOTTE@pitt.edu>

UTennessee Knoxville EvolBiomech

PhD Opportunities in Evolutionary Biomechanics

University of Tennessee, Knoxville - Department of Ecology & Evolutionary Biology

Application deadline: December 1, 2025

The Evolutionary Biomechanics Lab, led by Dr. Michael Granatosky, is recruiting PhD students to begin in Fall 2026. Research in the lab investigates the evolution of animal locomotion, with a focus on how species meet novel biomechanical challenges and how these challenges drive morphological and behavioral innovation.

Current projects explore:

Evolutionary trade-offs in the bat postcranial skeleton, testing links between flight and terrestrial performance

The evolution of anatomical novelties and how neuromuscular systems learn to use them

The evolution of autotomy (self-amputation) in vertebrates and invertebrates and its consequences for locomotor biomechanics

Students in the lab receive broad, hands-on training in functional and anatomical biomechanics including high-speed videography, force plate analysis, electromyography, metabolic measurements, dissections, and morphometrics and learn to apply comparative phylogenetic statistical methods to test evolutionary scenarios. Research combines controlled laboratory experiments with opportunities for data collection at zoos and international field sites. Mentorship emphasizes collaborative inquiry and the development of independent research skills within a supportive, team-based environment.

Learn more:

Lab website: https://eeb.utk.edu/people/michael-granatosky/ Department of Ecology & Evolutionary Biology: https://eeb.utk.edu/ The Department of Ecology & Evolutionary Biology at the University of Tennessee, Knoxville (UTK) is home to a dynamic and growing team of researchers and educators studying evolution, ecology, and organismal biology. All graduate students in the department receive five years of guaranteed funding, including a competitive stipend and benefits, supported through a combination of fellowships, teaching assistantships, and research assistantships.

Graduate program details: https://eeb.utk.edu/-graduate-students/applying-to-grad-school/ To inquire or apply:

Prospective students are encouraged to contact Dr. Michael Granatosky (mgranato@utk.edu) to discuss potential projects and applications.

"Granatosky, Michael C" <mgranato@utk.edu>

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UTexas Arlington EvoMicrobiolGenomics

The Department of Biology at the University of Texas at Arlington (UTA) is recruiting doctoral students for Fall 2026! All PhD students are guaranteed a full five years of funding, including salary, tuition, and healthcare.

Our department spans a wide range of cutting-edge topics and techniques in biological research, with four major research areas: ecology and evolution, genomics, microbiology, and cellular, molecular and developmental biology. Our PhD program focuses on training students to apply sophisticated quantitative techniques to solve

research problems in these areas, giving our graduates a competitive advantage for careers in industry, government, or academia.

Applicants can either apply to single labs (direct entry), or apply to enter the rotation program, which gives students the opportunity to conduct research in three labs before deciding which to join. Applications are due on December 1, 2025. Applicants should contact faculty and identify potential advisors before applying - you can begin by consulting the list of recruiting labs below!

Recruiting professors include:

Ecology and Evolutionary Biology JC Buckner: The IDER lab integrates genetics, morphometrics and paleontological data to understand biodiversity dynamics and adaptation in terrestrial tetrapods. Potential graduate students would contribute to our waterfowl research on consequences of introgression for population viability and the genetic basis of convergent phenotypes. Please visit our website, iderlab.org, to learn more.

Luke Frishkoff: The Frishkoff Lab seeks to understand the evolution and maintenance of biodiversity from local communities to large geographic regions as well as how human impacts are recasting these ecological and evolutionary patterns. We conduct community ecology field research on reptiles and amphibians in Texas, the Caribbean, and Central and South America.

Alison Ravenscraft: Our ultimate goal is to understand how the bacterial symbionts of insects impact ecosystem-level processes such as plant consumption and pollination. We study both the pairwise bug-Caballeronia symbiosis, and the entire gut microbiome of herbivorous insects (beetles, grasshoppers and caterpillars). We ask whether, when, and how environmentally acquired gut microbiota influence these insects' responses to stressors such as extreme climates, pesticides, and natural plant defenses.

Matt Walsh: The Walsh lab evaluates the ecological drivers of evolutionary change in killifish on the island of Trinidad and waterfleas in lakes in Alaska.

Genomics Todd Castoe: Population genomics of speciation to link theory with empirical data; Population genomics of schistomiasis transmission and the impact of control measures on natural selection. Genome-wide association studies to link traits with selection in the context of speciation and hybridization.

Jeff Demuth: The Demuth Lab studies the evolution of sex chromosomes and molecular genetics of behavior, primarily using beetles as a model system.

Daniela Palmer: We are interested in understanding the genetic underpinnings of biodiversity, especially in sex-related traits. We study the evolution of sex chromosomes and other parts of the genome that contribute to sex-specific adaptation. Our research focuses on a group of insects known as treehoppers that show fascinating diversity in morphology, behavior, and beyond.

Alicia Rogers: The Rogers Lab seeks to understand how small RNA-mediated gene regulation maintains robust execution of cellular and physiological processes during normal and stress conditions. We aim to establish a comprehensive map of the regulatory logic embedded within small RNA pathways that coordinates pathway homeostasis and robust gene expression.

Microbiology Qing Tang: Bacterial physiology, pathogenesis, antimicrobial resistance, and host interactions of human pathogens including Listeria monocytogenes and Staphylococcus aureus. We use both cell-culture and mouse models.

(Also see Alison Ravenscraft)

Cellular, Molecular, and Developmental Biology Loic Fort: The Fort Lab investigates how human stem cells decide their fate on their journey to becoming cardiac cells. We are especially interested in understanding how physical forces influence these decisions. By combining 2D and 3D stem cell models with advanced imaging and molecular tools such as CRISPR, we aim to uncover the fundamental rules of human development and how these processes are disrupted in patients with congenital heart disease.

Anita Quintana: The Quintana lab seeks to understand the underlying mechanisms by which genetic (pathogenic) variants cause birth defects. We have a specific focus on birth defects that disrupt brain and craniofacial development. Our laboratory uses zebrafish as a model system to study development. Zebrafish are an amazing developmental model because they are fertilized outside of their mother allowing for the visualization of development in real time.

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UToronto AvianGenomics

PhD Positions in Avian Genomics, Speciation & Biogeography

University of Toronto - Weir Lab

The Weir Lab is looking for PhD students to join us in Fall of 2026. We study how new bird species evolve focusing on the genomic, behavioral, and morphological drivers of speciation across tropical and temperate regions.

Our research combines whole-genome sequencing, bioinformatics, and machine learning to explore big-picture questions in evolutionary biology. We value diversity and foster a collaborative, inclusive, and supportive lab environment.

What You Might Work On

(Some current and recent themes include):

- Genomic patterns in hybrid zones of Amazonian bird species

- Comparative genomics of speciation, including sex chromosome evolution and genetic incompatibilities

- The role of rivers, mountains, volcanic eruptions, or ice ages in promoting speciation

- Latitudinal patterns of trait evolution, including changes in plumage and song

- Student-led research questions within our broader themes are strongly encouraged

Training & Skill Development

You'll have the opportunity to build a wide range of skills through:

- Fieldwork in Peru, Brazil, or Canada (mist netting, bird handling)

- Lab-based work with DNA and whole-genome sequencing (DNA extraction, quantification, library prep)

- Bioinformatic analysis of large genomic and phenotypic datasets (coding, pipeline generation, computational skills, data visualization)

- Using or developing models and machine learning tools for evolutionary analysis

- Publishing your research (we provide close mentoring in scientific writing and project development)

What Makes This Lab Different

- A focus on creative science many of our projects break new ground by combining diverse data types or exploring fresh angles on classic questions

- Broad-scale evolutionary insights through large comparative datasets, often spanning many species and regions

Program Details

- Department: Ecology & Evolutionary Biology

- Lab: Weir Lab (https://www.utsc.utoronto.ca/~jweir/-index.html)

- Funding: All students receive a competitive, guaranteed funding package for at least 4 years (with M.Sc.) or 5 years (direct-entry PhD). (https://eeb.utoronto.ca/-education/graduate/graduate-finances/)

Minimal Qualifications

- BSc degree in biology or bioinformatics (with a strong focus on evolutionary biology and genetics)

- MSc degree is not required (direct entry from undergrad is encouraged with a high academic standing)

- Proficiency in English

- Preference will be given to applicants with one or more of the following: a drivers license, experience working with birds (bird identification and/or mist netting experience), and bioinformatic experience (coding and/or working with R or other computing languages)

Interested? Here's How to Apply

Email Prof. Jason Weir (jason.weir [at] utoronto.ca) with:

- A short statement of your research interests and skill sets

- Your CV

- A sample of academic writing

- Unofficial transcripts

Canadian applicants are expected to apply for NSERC and similar fellowships. International students will require an external fellowship many options exist (e.g., Latin America, EU, etc.).

Diversity & Inclusion

We welcome applicants from all backgrounds. Our lab has a strong track record of supporting diverse trainees in a collaborative and respectful environment. Viewpoint diversity is considered an asset to the lab.

Selected Lab Publications

Genomics & Speciation

- Nikelski & Weir (2025) Mol. Ecol. 25:e17802
- Mikkelsen & Weir (2023) Syst. Biol. 72: 78-91
- Barrera-Guzman et al. (2022) Mol. Ecol. 31:4050-66
- Cronemberger et al. (2020) Evolution 74:2512-25

Biogeography

- Weir et al. (2024) Proc. R. Soc. B 291:20240795
- Bemmels et al. (2022) Curr. Biol. 32:1-9

Trait Evolution

- Anderson & Weir (2021) PNAS 118:e2021209118
- Anderson & Weir (2022) Science 378:1214-18

Jason Weir <jason.weir@utoronto.ca>

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Jobs

AbuDhabi UAE Bioinformatician

Bioinformatician - Biodiversity & Conservation Genomics, RENECO International Wildlife Consultants / OIKOS, UAE

We are seeking a skilled and highly motivated bioinformatician to join our Conservation Genomics Division. The ideal candidate will have expertise in biodiversity and conservation genomics, with a focus on supporting genomic research on non-human animal populations. The successful applicant will have proven experience working within multidisciplinary teams, a strong record of scientific publications, and demonstrated ability to conduct independent and cross-disciplinary research.

Reneco manages conservation programs at both in- and ex-situ levels with activities in various countries such as Morocco, the United Arab Emirates, Uzbekistan or Kazakhstan. There is a strong research division

addressing topics such as demography, reproduction physiology, behaviour, veterinary science, conservation genomics, etc. The position entails working on collaborative research projects with members of the team that are generating genomic data (whole genome sequences, transcriptomes, RNAseq, metagenomics, etc.).

The ideal candidate will have experience in de novo genome assembly of non-model species, resequencing, and the application of bioinformatic tools to assess genetic variation, population genomics, and relatedness.

Key Responsibilities: §Perform de novo genome assemblies for non-model animal species using long-read data (Oxford Nanopore) §Process and analyse resequencing data for population-level studies §Run and interpret pipelines for SNP calling, heterozygosity estimates, F-statistics, and relatedness §Use tools such as STRUCTURE, ADMIXTURE, PCA, and phylogenetic analysis to investigate population structure §Collaborate with evolutionary biologists, conservation scientists, and field teams to integrate genomic data into conservation strategies and other research projects §Developing and setting up genomic data analysis workflows for routine analyses §Document workflows and contribute to publications and data repositories §Assist in mentoring undergraduate and graduate students

Required Qualifications/skills: §Master's degree in evolutionary genomics, bioinformatics, or a closely related field §Demonstrated experience with genomic data from non-human/non-model species §Experience in handling both long- and short-read datasets §Familiarity with reference genome curation and annotation workflows is a plus §Proficiency with Unix/Linux, scripting languages (e.g., Python, R), Git repositories, and NextFlow pipelines.

§Familiarity with common bioinformatics tools and pipelines (e.g., BWA, GATK, SAMtools, ANGSD, STACKS, etc.) §Ability to work independently, and as part of a team §Excellent communication and collaboration skills §Ability to work on multiple assignments with overlapping deadlines §Demonstrated record of research productivity and publications in scientific papers in peer-reviewed journals §Fluency in English.

This is a full-time permanent position located in Abu Dhabi (United Arab Emirates).

The position is expected to start as soon as possible. Application will be accepted until the position is filled.

Interested candidate can apply/inquire at HR-Sourcing@reneco-hq.org.

Applications must include a one-page CV, a cover letter describing your experience and interest in the position, and the names and contact information for at least two references.

Information on RENECO research activities can be found at: https://www.researchgate.net/institution/-Reneco_International_Wildlife_Consultants LESOBRE Loïc <llesobre@reneco.org>

LESOBRE Loïc <llesobre@reneco.org>

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AmerMuseumNatHist AssistCuratorVertebrates

Assistant Curator, Vertebrate Zoology

Job link: https://careers.amnh.org/postings/4600 The Division of Vertebrate Zoology at the American Museum of Natural History (AMNH) seeks an Assistant Curator in either the Department of Ornithology, Ichthyology, or Mammalogy to start on or after July 1, 2026.

The AMNH is searching for an innovative researcher in evolutionary biology, with emphasis on collection-based research. The successful candidate will have demonstrated high-impact scholarship, grantsmanship, and the potential to establish an independent research program, mentor graduate students and post-doctoral scholars, and establish effective collaborations and partnerships within and outside of the Museum. Applicants' research focus could include, but are not limited to, systematics, comparative genomics, phenomics, or population genetics.

Responsibilities include conducting original scientific research on birds, fishes, or mammals, oversee the curation and management of the collection of their respective discipline in the Division of Vertebrate Zoology, and enhance the Museum's collections through field expeditions and scientific collecting. The successful candidate will demonstrate the interest and ability to engage in public outreach in line with AMNH's strategic goal to address the local and global impact of climate change and biodiversity loss through collaboration across science, education, exhibitions, and external partners. In addition, the successful candidate will serve as an Assistant Professor in the Richard Gilder Graduate School and must have an interest in teaching and advising PhD students and postdocs in comparative biology. The position will provide opportunities to contribute to exhibition development, collaborate with the Museum's education

department, and participate in public programs.

The AMNH is a recognized leader in scientific research, graduate education, and public education about science and the natural world. Resources available at the AMNH include world-class zoological collections, including a cryogenic collection; genomics labs and an ancient biomolecules lab ; computational systems; and a wide range of optical, electron beam, and X-ray analytical tools (including CT scanning). The AMNH maintains active internal grant programs to support field research across many disciplines. The successful applicant will have the opportunity to build on existing relationships with nearby collaborating institutions including Columbia University and the City University of New York.

The expected salary range for the Assistant Curator, Vertebrate Zoology is $125,000 ï¿½ " 142,000.

Pay will be determined based on several factors. The hiring range for the position at commencement is based on the type of work and the scope of responsibilities. The salary and placement offered is based on a number of individualized factors, including, but not limited to, skills, knowledge, training, education, credentials, areas of specialization and depth and scope of experience.

Candidates must hold a doctoral degree in biology or a related field with relevant post-doctoral research experience at the time of appointment.

Applications should consist of: - Cover letter (maximum 1 page) - Curriculum vitae - Research statement, including goals, achievements and future plans (max. 3 pages, including figures and references) - Museum service statement addressing museum experience and interests in collections, teaching, exhibitions, and public outreach (max. 3 pages) - Names and contact information for three people who will be contacted to provide letters of reference at the time of application submission. - Up to 5 significant publications

Consideration of applications will begin December 3, 2025

"Kimball,Rebecca T" <rkimball@ufl.edu>

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BielefeldU FieldAssist SongbirdReproduction

Subject: Field Assistant position in Bielefeld University

We are looking for a field assistant to study the "Impact of Urbanisation on Songbird Reproduction"

Location:Department of Behavioural Ecology, Bielefeld University, Germany Start Date:01.02.2026 Duration:6 months Application Deadline:7th of November, 2025.

We invite applications for a Field Assistant (can also be a Master Student Internship) to join our research group in the Department of Behavioural Ecology at Bielefeld University, Germany (https://-www.uni-bielefeld.de/fakultaeten/biologie/forschung/-arbeitsgruppen/behav_eco/). The successful candidate will support our upcoming field season (February-July 2026) on the project "The impact of urbanisation on great tit and blue tit reproduction."

This is an exciting opportunity to gain hands-on experience in urban ecology and behavioural ecology while working in an international, collaborative environment.

About the Project

The project investigates how urbanisation shapes reproduction in two model songbird species: the great tit (Parus major) and the blue tit (Cyanistes caeruleus). Fieldwork will focus on nest box populations across different urban habitats, combining behavioural monitoring, ecological data collection, and physiological sampling.

Supervision will be provided by Dr. Oncu Maraci and Prof. Barbara Caspers. The working language of the group is English.

Job Description

As a Field Assistant, you will:

Coordinate and perform daily monitoring of nest boxes across multiple city sites. Collect environmental and reproductive data. Help during capturing, ringing, and measuring the birds and sample collection Maintain accurate field records and contribute to data organisation. Support preliminary analyses and reporting.

Qualifications

Essential:

Bachelor's degree in Biology, Ecology, Animal Behaviour,

or a related discipline. Strong interest in behavioural and/or urban ecology. Previous fieldwork experience. Physical fitness and resilience to work long hours outdoors. Excellent organisational skills, reliability, and teamwork. Strong communication skills in spoken and written English.

Desirable:

Experience in handling wild birds. Bird ringing licence. Familiarity with statistical methods and R. Valid driving licence.

What We Offer

Training in nest box monitoring, bird handling, and techniques in urban ecology. A stimulating, supportive, and international research environment. Opportunity to base a Master's thesis on the project. Potential continuation towards a PhD, subject to future funding. Contribution to cutting-edge research with direct relevance to animal ecology and conservation. Financial compensation to help cover living expenses, adjusted according to the candidate's qualifications and experience.

Application

Please send your motivation letter and CV (in English) to Dr. Oncu MaracÃ½ (oncu.maraci@uni-bielefeld.de) by the 7th of November, 2025.

For informal enquiries about the position, the research group, or living in Bielefeld, please contact Dr. Ãncü MaracÃ½ (oncu.maraci@uni-bielefeld.de).

Bielefeld University is an equal-opportunity employer. We particularly welcome applications from individuals from underrepresented groups.

Oncu Maraci <oncumaraci@gmail.com>

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CityCollege NewYork ComparativeGenomics

Assistant Professor (Tenure Track) Comparative Genomics - (ad: https://cuny.jobs/new-york-ny/assistant-professor-of-biology-tenure-track-comparative-or-quantitative-genomics/-ECBFB96692CF408193C0FC2D5DE81ABD/job/)

POSITION DETAILS

Assistant Professor of Biology (Tenure-Track) - Comparative or Quantitative Genomics

FACULTY VACANCY ANNOUNCEMENT

The Department of Biology at The City College of New York (CCNY) seeks a full-time tenure-track Assistant Professor whose research program incorporates Comparative or Quantitative Genomics. The successful candidate will develop a productive research program in genomics, broadly defined, bridging biological disciplines and working across levels of biological systems. The candidate should use cutting edge genomic approaches to address fundamental questions in biology, which may include immunology, bacterial pathogenesis, neurobiology, developmental biology, disease ecology, or evolutionary biology across any system including non-model organisms (animals, plants, or microbes). Preference will be given to candidates who develop modern genomic tools and statistical approaches that leverage artificial intelligence/machine learning to investigate the forces shaping biological diversity, evolutionary change, or gene interaction networks.

We are particularly interested in candidates with expertise in the following areas:

functional and regulatory genomics;

comparative phylogenomics to reconstruct developmental and/or evolutionary histories;

genome structure, such as structural variation or gene regulation;

population genomics and conservation genetics; and/or

genomic variation underlying adaptation, complex traits, or speciation.

CCNY is the flagship campus of the City University of New York (CUNY), a public university system in New York City. CCNY offers B.S. and M.S. degrees in Biology and co-grants Ph.D.s along with the CUNY Graduate Center. CCNY serves a broad range of students and has an exemplary record as an engine of social and economic mobility. The candidate's research should be conducive to interactions with one or more of the Department's research strengths in ecology/evolution, neuroscience, and molecular/cellular biology. Research that bridges these areas would be particularly appealing to the hiring committee. The candidate's research program at CCNY will be integrated into their teaching, mentoring, and advising of undergraduate and graduate students. They will contribute to the Department via service on departmental, college or university committees, and teaching in undergraduate or graduate courses.

Candidates must be legally authorized to work full-time in the United States.

QUALIFICATIONS

Ph.D. in Biology or related field is required.

Preferred Qualifications:

Postdoctoral research experience in a relevant field.

Demonstrated the potential to maintain an extramurally funded research program.

Prior experience mentoring student researchers.

Ability to contribute to service and teaching roles.

COMPENSATION

Salary Range: $90,838 - $102,017

CUNY offers faculty a competitive compensation and benefits package covering health insurance, pension and retirement benefits, paid parental leave, and savings programs. We also provide mentoring and support for research, scholarship, and publication as part of our commitment to ongoing faculty professional development.

HOW TO APPLY

Only applications submitted through CUNYfirst will be considered for this position.

If you are viewing this job posting in CUNYfirst, please click on "Apply Now" on the bottom of this page and follow the instructions.

If you are viewing this job posting externally, please apply as follows:

Go to https://cuny.jobs/ Search for Job Opening ID number: 31165

Click on the "Apply Now" button and follow the instructions.

Applications, including the following must be uploaded to the CUNYfirst job application website as a single PDF document:

Cover Letter

Curriculum Vitae including Publication List

Research Statement (maximum 2 pages)

Teaching Statement (maximum 2 pages)

Names and contact information of three professional references who could provide Letters of Reference

CLOSING DATE

Open until filled with review of applications to begin on December 21, 2025.

JOB SEARCH CATEGORY

CUNY Job Posting: Faculty

EQUAL EMPLOYMENT OPPORTUNITY

CUNY encourages people with disabilities, minorities, veterans and women to apply. At CUNY, Italian Americans are also included among our protected groups. Applicants and employees will not be discriminated against on the basis of any legally protected category, including sexual orientation or gender identity. EEO/AA/Vet/Disability Employer.

Job ID

31165

Location

City College of New York

Michael J Hickerson

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EastCarolinaU EvolutionaryBiology

The Department of Biology at East Carolina University (http://www.ecu.edu) seeks to fill a tenure-track faculty position (9-month appointment) at the Assistant Professor rank with expertise in evolutionary biology to begin August 2026. Closing date: Nov. 28, 2025

The successful candidate will be expected to establish a vigorous, externally funded research program in evolutionary biology that actively engages undergraduate and graduate students. Strong candidates will address fundamental questions in evolution; applied aspects to a candidate's research program, for example in evolutionary medicine or conservation, would also be advantageous. The successful candidate will be expected to teach undergraduate and graduate students effectively in the area of evolutionary biology, such as the Biological Evolution course required of most majors. Successful candidates will become a part of a collegial, collaborative Biology Department and will be expected to participate fully in Departmental, College, and University activities.

Official Posting: https://ecu.peopleadmin.com/-postings/89839 East Carolina University (ECU)(https://www.ecu.edu), a member of the 17-campus University of North Carolina System, is committed to being a national model for student success,

regional transformation, and public service. Through excellence in education, research, health care, community engagement, and cultural enrichment,ECUenhances the quality of life for our students, our state, and beyond. Located in Greenville, North Carolina (population ˜92,000),ECU enrolls approximately 27,000 students each year, including ˜ 5,500 students pursuing graduate and professional degrees.ECUis classified as a Carnegie R1 University and is part of a vibrant regional center for education, health, and the arts. Greenville, situated 80 miles east of Raleigh and within easy reach of the Atlantic coast, offers a college-town atmosphere and exceptional quality of life. The city is affordable to live in and features a lively Uptown district with restaurants, breweries, and shops. Greenville provides abundant recreational opportunities, including access to the Tar River, over nine miles of greenways, nearly 30 parks, and a thriving arts scene. Greenville is located in the most recently recognized global biodiversity hotspot, the North American Coastal Plain.

TheDepartment of Biology(https://biology.ecu.edu) serves more than 1,400 undergraduate majors (BS and BA in Biology; BS in Biochemistry) and teaches over 17,000 students annually. Faculty provide high-impact research training for undergraduate, Master's (https://biology.ecu.edu/graduate-studies/-), and Doctoral (https://idpbbc.ecu.edu/andhttps://-coastal.ecu.edu/integrated-coastal-sciences/) students. The department encompasses a broad range of biological disciplines and promotes integrative approaches that draw from across the natural sciences. Faculty and students collaborate widely across campus, including with the Department of Earth, Environment, and Planning; the Water Resources Center; the Brody School of Medicine; and the Coastal Studies Institute. BeyondECU, we have important collaborations with Sylvan Heights Bird Park and with campuses and research centers in the research triangle and along the NC coast. In partnership with private industry,ECUis developing Intersect East (Warehouse District |ECRIC|ECU), an innovation hub on its Millennial Campus that will expand opportunities for collaboration and applied research. The Department of Biology and many of its research facilities including microscopy, genomics, and vivarium suites are housed in the new Life Sciences and Biotechnology Building, a gateway to ECU's dynamic downtown district. Additional research and instructional spaces for the department are located in Howell Science Complex and the Science and Technology Building. Howell Science Complex is undergoing a major renovation with one wing of spaces, including teaching labs for courses in organismal biology, opening in Spring 2026. The university also provides access to a range of cutting-edge shared research resources, including advanced imaging and sequencing technologies.

Inquiries regarding this position may be directed to Jeff McKinnon (mckinnonj@ecu.edu), Search Committee Chair, or Malik Page (pagem25@ecu.edu), Administrative Associate.

Applicants must be currently authorized to work in the United States on a full-time basis. Contingent upon availability of funds.

"McKinnon, Jeffrey" <MCKINNONJ@ecu.edu>

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FortWorth Texas QuantBiologist

The TCU Department of Biology invites applications for a tenure-track Assistant Professor position to begin in Fall 2026. We seek applicants who are using or developing quantitative, mathematical, or computational approaches to address biological questions in a variety of disciplines ranging from ecology and evolution to biomedical sciences. Applicants must have a PhD in the biological sciences or related field, a minimum of two years of post-graduate research experience (e.g., post-doctoral training, government, or industrial research), a strong record of achievement in quantitative or systems-based approaches, and a commitment to excellent teaching. The Department and the University are dedicated to creating positive working and learning environments for all members of the campus community. Exceptional candidates may be considered for appointment at a higher rank.

The successful candidate will be expected to: 1) develop and maintain an externally funded research program that involves PhD and undergraduate students; 2) teach an upper-level undergraduate/graduate Biostatistics course and develop additional upper-level undergraduate/graduate courses in their areas of expertise; and 3) contribute to departmental service needs. This on-campus position will begin in August 2026. Salary and benefits are competitive and commensurate with education and experience. A start-up package will be offered to allow the successful applicant to engage in productive research.

Review of applications will begin November 7, 2025. The position will remain open until filled.

Specific application directions, a complete job description, and information about the Department and TCU can be found below.

For further inquiries please contact the chair of the search committee Dr. Matt Hale (m.c.hale@tcu.edu).

Department Details:

ABOUT THE DEPARTMENT OF BIOLOGY

Collegiality and teamwork are a hallmark of our department. Our department's curriculum and faculty-related policies have been developed with consultation of the faculty. We work together as a team, with the utmost respect and appreciation for all types of contributions to our students and their success.

The TCU Department of Biology offers a rigorous, science-based curriculum grounded in evolutionary theory to undergraduate and graduate students across all areas of biology. We are committed to the teacher-scholar model and teaching is central to our department's mission. We hire faculty who are passionate about teaching and highly trained in their area of teaching specialty. We strive to provide access to high-quality educational opportunities and create inclusive learning environments.

Research plays a major role in the professional life of our tenure-track faculty. Our faculty regularly publish in high-quality journals, present their work at national and international conferences, and contribute their research expertise through professional service and outreach. Our research programs support our teaching mission and allow us to expose students to the process of science when they conduct research in our labs. Faculty have access to a variety of research-related equipment and resources (https://cse.tcu.edu/-biology/student-experience/facilities.php), including a high-performance computing cluster and on- and off-site data storage. TCU's library, including on-line resources and personnel, is considered a strength by the Biology faculty.

To learn more about the Department of Biology, visit our website at https://cse.tcu.edu/biology/index.php . School/College Description:

The TCU College of Science & Engineering (CSE) encompasses 10 departments (Biology, Chemistry & Biochemistry, Computer Science, Engineering, Environmental Sciences, Geological Sciences, Mathematics, Nutritional Sciences, Physics & Astronomy, and Psychology) as well the Ranch Management Program, which offers both an undergraduate degree and a one-year certificate program. The College is also home to the Pre-Health Professions Institute, the Karyn Purvis Institute for Child Development, the Institute of Behavioral Research, and the Institute for Ranch Management. The College is the second largest at TCU in terms of both undergraduate enrollment and number of majors. CSE contains a disproportionate percentage of high-achieving students, as evidenced by the fact that almost one-half of the students in the Honors College have majors in the College of Science & Engineering. Research opportunities abound for undergraduates, with 46 percent of majors engaging in a substantive experience during which they work one-on-one with their faculty mentor. The College also has five doctoral programs and 16 master's programs as well as two graduate certificate programs. The College faculty are true teacher-scholars, for whom instruction and

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IllinoisStateU BehavioralEvolution

The School of Biological Sciences at Illinois State University in Normal, IL (https://biology.illinoisstate.edu/) invites applications for a nine-month tenure-track position in BEHAVIORAL ECOLOGY at the level of Assistant Professor. We seek candidates whose research addresses how the environment drives animal behavior across ecological and evolutionary scales and can synergize with existing programs in the school. Successful candidates are expected to establish a rigorous, nationally recognized, and extramurally funded research program. Research programs should include undergraduate and graduate students, and our new colleague should be an active mentor to both of these student populations. They should be able to contribute to an undergraduate ecology course and ethology at the graduate level, with the potential to contribute to undergraduate animal behavior or organismal courses.

The University and the School of Biological Sciences are committed to fostering an environment that promotes the success of faculty, staff, and students to enrich the scholarly experiences for the ISU campus and greater community. Candidates that have broad experience working with a range of faculty, staff, and students, and a demonstrated commitment to fostering a positive community are encouraged to apply. We are sensitive

to the needs and invested in the success of dual career partnerships.

The School of Biological Sciences comprises 21 tenure track faculty, 7 instructional faculty, approximately 65 graduate students (M.S. and Ph.D.), and approximately 685 undergraduate majors. We value research and teaching and offer a collegial environment fostering research collaboration among ecologists, conservation biologists, evolutionary biologists, cell and molecular biologists, physiologists, and neuroscientists. We also offer opportunities for interdisciplinary collaborations within the college or the university. The School of Biological Sciences features several cutting-edge shared facilities, including a confocal and live-cell imaging center, flow cytometry, vertebrate and aquatic animal housing, and greenhouses.

Specific application directions, and a complete job description can be found here: https://-jobsearch.illinoisstate.edu/en-us/job/520844/assistant-professor-of-behavioral-ecology . For further inquiries please contact the chair of the search committee, Dr. Ben Sadd (bmsadd@ILSTU.EDU).

Javier delBarco-Trillo, PhD Assistant Professor of Evolutionary Physiology School of Biological Sciences Campus Box 4120 Illinois State University Normal, IL 61790-4120, USA

Pronouns: he, him, his email (ISU): jdelbar@ilstu.edu email (personal): delbarcotrillo@gmail.com website: about.illinoisstate.edu/jdelbar BlueSky Social: @delbarcotrillo.bsky.social I'm not in X/Twitter ORCID: 0000-0002-9948-6674 tel: +1 (309) 438 2666

"delBarco-Trillo, Javier" <jdelbar@ilstu.edu>

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IZW Berlin ReproductionBiology

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

tometry, 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 TVi¿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 job 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.

Enquiries or questions should be directed to Prof. Dr. Jennifer Schoen

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LeibnizInst Hamburg MolecularBiodiversity

Job Opportunity: We, the Leibniz Institute for the Analysis of Biodiversity Change (LIB), seek for a Scientist in molecular biodiversity research (m/f/d) for a tenure-track position at the LIB Hamburg (fulltime:39 hours/week or part-time)

Tasks: The position holder will be the head of a research section and will play a leading role in advancing molecular research at highest scientific standards at the LIB. The Centre for Molecular Biodiversity Research contributes to the ongoing development of the LIB as a globally leading institute for the study of biodiversity change. The working groups of both localities closely collaborate in developing future strategic developments and perspectives, and in making their particular expertise available to all researchers in the LIB.

The successful candidate will - closely collaborate with the LIB research sections and museum collections covering the entire animal diversity and provide knowledge and infrastructure to all LIB researchers, - apply and develop advanced methods and approaches in molecular biodiversity research, preferably in one or more of the following areas of molecular biodiversity research; phylogenomics, population genomics, conservation genomics, museomics, metagenomics, annotation, machine learning, - instruct users in the usage of hardware and software for molecular biodiversity research, - acquire substantial third-party funding with other LIB researchers of both localities.

We expect the candidate to: - hold a PhD in Evolutionary Biology, Molecular Biology, Bioinformatics, or a closely related field with strong emphasis on at least one of the following areas of molecular biodiversity research;

phylogenomics, population genomics, conservation genomics, museomics, metagenomics, annotation, machine learning, - have advanced knowledge in the application and development of NGS wet lab or computational methods for the analysis of genome data for molecular biodiversity research, - have strong experience in data management and analysis of sequence and genome data (computational skills) in compliance with the FAIR principles, - have experience in working with non-model organisms (animals), - have experience in developing independent research projects and the development of new methodological approaches, - have experience in team management and student supervision, - have motivation to work in a team and take responsibility, - have excellent communication skills and be fluent in written and spoken English, - also have a good knowledge of the German language or willingness to acquire such skills.

It is desirable that the applicant has/is: - a good knowledge of bioinformatic analyses of sequence data, statistical analyses and graphical visualization of data. - experience with soft money acquisition.

More information on our Job Portal, please Deadline to apply extended: apply online until October 7th 2025 at our Job portal: https://-8101202752.karriereportal.cloud/job/2025-14-Scientist-in-molecular-biodiversity-research-(m_f_d) NOTE: if you have difficulties to access the portal, use a VPN connection or contact Andreas Pfeifer to apply via email: KONTAKT / CONTACT PERSONALADMINISTRATION Andreas Pfeifer +49 228 9122 203 E-mail:bewerbung@leibniz-lib.de

Stiftung Leibniz-Institut zur Analyse des Biodiversitï¿½tswandels Postanschrift: Adenauerallee 127, 53113 Bonn, Germany

Stiftung Leibniz-Institut zur Analyse des Biodiversitï¿½tswandels Postanschrift: Adenauerallee 127, 53113 Bonn, Germany

Stiftung des ï¿½ffentlichen Rechts; Generaldirektion: Prof. Dr. Bernhard Misof (Generaldirektor), Adrian Grï¿½ter (Kaufm. Geschï¿½ftsfï¿½hrer) Sitz der Stiftung: Adenauerallee 160 in Bonn Vorsitzender des Stiftungsrates: Dr. Michael H. Wappelhorst

Meusemann Karen <K.Meusemann@leibniz-lib.de>

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LIBBonn Germany ResAssoc Bioinformatician

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

Become part of our institute in Bonn. We are looking for the next possible date, limited according to the part-time and fixed-term law for three years a

Research Associate (f/m/d) for the Design, Implementation and Maintenance of a Database for Genomic and Transcriptomic Data

in full-time 39.83 hours/week or in part-time.

Your tasks: —- - Design and prototypical development of a sequence database, including data modeling and the implementation of appropriate standards. - Storage, management, and provision of sequence data and metadata in line with the FAIR principles. - Collection of user requirements and corresponding implementing of a user interface. - Integration, curation, and validation of sequence data and associated metadata, as well as the development of procedures for updating and versioning. - Consideration of applicable legal and regulatory frameworks. - Development of interfaces to existing research data infrastructures. - Implementation of user roles and security mechanisms. - Collaboration with research projects at the LIB. - Presentation and publication of results at conferences and in peer- reviewed journals. - Preparation and maintenance of technical documentation.

Your profile: —- - A completed university degree (Master's or equivalent) in Bioinformatics, Computer Science, Life Sciences, or a related discipline. - Strong expertise

in database development (e.g., PostgreSQL), including data modeling and the design of interfaces (APIs). - Excellent programming skills (e.g., in Python). - Ideally, experience with genomic and/or transcriptomic sequence data, structured scientific metadata, and familiarity with relevant standards and data infrastructures in the field of molecular sequences. - Experience in research data management and basic knowledge of legal and regulatory frameworks (e.g., GDPR, Nagoya Protocol) are considered an advantage. - A self-driven and well-structured working style, combined with enthusiasm for interdisciplinary collaboration. - Strong communication and teamwork skills, and excellent command of English.

We offer: —- - An attractive position in an excellent research institution with a high degree of creative potential in a dynamic scientific and social environment. - Remuneration according to the collective agreement of the federal states (up to EG 13 TV-L if the personal and job-related requirements of the collective agreement are met) with all the benefits of the public sector (company pension scheme, annual special payment, capital-forming benefits, collectively agreed vacation entitlement). - Family friendliness certified by the "Work and Family Audit", offer of life coaching through professional family service. - The possibility of obtaining a job ticket. - A centrally located workplace with excellent transport links.

Please send your complete application documents (including cover letter, CV, copies of certificates, max. 10 MB) by 09.11.2025 exclusively digitally via our career portal https://8101202752.karriereportal.cloud/ to Ms. Winkels.

For organizational reasons, only online applications will be accepted. We are a diverse institution and welcome our diversity. We would particularly like to encourage women to apply in order to actively promote equal opportunities. Severely disabled people will be given preference if equally qualified. You can find more information about our institution on the Internet at: https://-/leibniz-lib.de Stiftung Leibniz-Institut zur Analyse des Biodiversitï¿½tswandels Postanschrift: Adenauerallee 127, 53113 Bonn, Germany

Stiftung des ï¿½ffentlichen Rechts; Generaldirektion: Prof. Dr. Bernhard Misof (Generaldirektor), Adrian Grï¿½ter (Kaufm. Geschï¿½ftsfï¿½hrer) Sitz der Stiftung: Adenauerallee 160 in Bonn Vorsitzender des Stiftungsrates: Dr. Michael H. Wappelhorst

a.donath@leibniz-lib.de

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LouisianaStateU FieldOrganismalEvol

Louisiana State University Shreveport (LSUS) is conducting a search for a tenure-track Assistant Professor of Field & Organismal Biology.

LSU Shreveport invites applications for the position of Assistant Professor of Field and Organismal Biology, beginning August 2026. We seek a colleague whose research integrates fieldwork and teaching, and those with collections-based programs are especially encouraged to apply. The applicant must be committed to excellence in teaching, scholarly engagement, and student success in a diverse and inclusive environment. This tenure-track, 9-month position will join our faculty in the Department of Biological Sciences.

Responsibilities:

Teach undergraduate courses including introductory biology and field/organismal biology, as well as develop upper-level electives that complement departmental strengths.

Develop and maintain an active, externally funded field-based research program that involves undergraduate and graduate students.

Supervise and mentor students in their academic and professional development.

Contribute to departmental, college, and university service, including advising and mentoring.

Engage in community outreach and support the role of collections in research and education.

Required Qualifications:

Ph.D. in Biology or a closely related field by time of appointment.

Preferred Qualifications:

Postdoctoral experience.

Demonstrated record of research productivity.

Prior experience with natural history collections curation (museum or herbarium).

Salary and Benefits:

Competitive salary commensurate with experience.

Comprehensive benefits package, including health insurance, retirement plan options, and professional development support.

Application Process:

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

To apply, submit a cover letter, CV, statements of teaching philosophy and research interests, and contact information for three (3) professional references to the Chair of the Department of Biological Sciences:

Chris Gissendanner, Ph.D., Chair of the Department of Biological Sciences, LSUS,

chris.gissendanner@lsus.edu

For questions about the position, contact the Search Committee Chair:

Stuart Nielsen, PhD stuart.nielsen@lsus.edu

For accessibility accommodations during any part of the hiring process, contact disabilityservices@lsus.edu / 318-797-5116.

LSUS is an Affirmative Action, Equal Opportunity Employer.

About LSU Shreveport and the Department of Biological Sciences:

LSUS is a teaching-focused, regional public university with a mission that balances excellence in teaching, active scholarship, and community engagement. Named by the U.S. Department of Education as one of the most affordable colleges in Louisiana, LSU Shreveport offers high quality classroom instruction with very affordable tuition rates. In addition, LSUS offers many forms of financial aid, including scholarships, on-campus employment, and graduate assistantships. With recent expansion in the university's infrastructure and investment in educational technology, these improvements continue to enhance the student experience at LSU Shreveport, and the University has proven itself to be an institution of opportunity and quality.

The Department of Biological Sciences is collegial and inclusive, with active collaboration among faculty spanning departments. The department offers exceptional opportunities for field and organismal-based research and teaching at both the undergraduate and graduate (MSc) level. The Museum of Life Sciences houses substantial vertebrate and invertebrate collections; the MacRoberts Herbarium contains an important plant collection for the region; and the LSUS Entomology Collection provides additional opportunities for research and training. Faculty also have access to the Science Research Annex, which offers modern laboratory facilities and animal care space to support integrative organismal biology. Shared lab space and equipment are housed in the Science Center, which includes a Cell Culture Room and Microscopy Suite (with Nikon light and fluorescence microscopes and cameras), a Geographic Information Systems Lab, and the neighboring Technology Building which is home to the Biotechnology Collaborative Laboratory (equipped with PCR, imaging, flow cytometry, sequencing, and other modern tools). Faculty also benefit from connections to a thriving local network of research and outreach institutions including the LSU AgCenter, the LSU Health Sciences Center-Shreveport (LSUHSC-S), the Red River Watershed Management Institute, the Louisiana Universities Marine Consortium (LUMCON), and the Ouachita Mountains Biological Station (OMBS).

About Shreveport:

The Shreveport-Bossier City area offers an attractive quality of life, combining the conveniences of a big city with the warmth and hospitality of a smaller town. With a metropolitan population of more

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NortheasternU Boston ConservationEvolBiol

The Department of Marine and Environmental Sciences in the College of Science at Northeastern University, Boston, Massachusetts invites applications from qualified candidates for a full-time, non-tenure track faculty position, which includes service as the director of our growing MS in Environmental Science and Policy (ESP) program. Primary responsibilities include taking on responsibility for the management and growth of the ESP program and teaching courses that serve both our undergraduate majors and the ESP and other graduate programs. Our department houses undergraduate, MS, and PhD programs in Ecology and Evolution, Marine Science, and Environmental Science.

We seek broadly trained candidates with expertise in areas such as conservation biology, ecology and evolu-

tion,environmental/land use planning, environmental water quality/restoration, natural resource management, or correlated fields. 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 November 15, 2025, and will continue until the position is filled. The anticipated start date is either January 2026 or July 2026.

Application link:

https://northeastern.wd1.myworkdayjobs.com/-careers/job/Boston-MA-Main-Campus/Assistant-Associate-Teaching-Professor-of-Environmental-and-Sustainability-Sciences_R135282 Qualifications:

Applicants must have a Ph.D. prior to the start of the appointment. Experience teaching undergraduate and graduate lecture courses required. Experience in curriculum development is preferred. The candidate must have excellent communication skills, both written and oral as well as collaboration and leadership skills to manage and grow the MS in ESP program. Northeastern is committed to building a diverse faculty who are committed to teaching and working in a multicultural environment. Candidates must have experience in, or a demonstrated commitment to, working with diverse student populations and/or in a culturally diverse work and educational environment. Where appropriate, candidates are strongly encouraged to highlight prior experience working with members of underrepresented groups.

Documents to submit:

Cover letter Curriculum vitae Teaching philosophy statement Leadership statement List of three references

Please indicate how your expertise, knowledge, and skills have prepared you to contribute to this work with written statements addressing the following prompts.

Teaching Statement:

Please summarize (1) your past instructional and mentorship experiences, (2) your pedagogical philosophy, (3) your plans/goals for teaching in the Department of Marine and Environmental Sciences in the College of Science, including which MES courses you could confidently teach, as well as new courses you might propose, and (4) your strategies for teaching and mentoring students.

Leadership Statement:

Please summarize your experience in leadership positions. Describe (1) your leadership style, (2) how you have cultivated cultures that promote a sense of belonging for students and faculty from different backgrounds, and (3) what are ways that you have helped others strengthen their practice.

Position Type: Academic

Additional Information Northeastern University considers factors such as candidate work experience, education and skills when extending an offer. Northeastern has a comprehensive benefits package for benefit eligible employees. This includes medical, vision, dental, paid time off, tuition assistance, wellness & life, retirement-as well as commuting & transportation. Visit

https://hr.northeastern.edu/benefits/for more information. All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

Pay Range: Assistant Teaching Professor: $78,000.00 - $95,000.00 | Associate Teaching Professor: $83,000.00 - $93,000.00 With the pay range(s) shown above, the starting salary will depend on several factors, which may include your education, experience, location, knowledge and expertise, and skills as well as a pay comparison to similarly-situated employees already in the role. Salary ranges are reviewed regularly and are subject to change.

“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 pro-

gram 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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OhioU AnimalAdaptation

The Department of Biological Sciences at Ohio University Biological Sciences Department | Ohio University invites applications for a tenure-track position at the rank of Assistant Professor in Animal Functional Biology. The expected start date is August 2026. We seek applicants whose research examines trait form and function with a focus on ecological or evolutionary responses to environmental change at the population, community or ecosystem level. We welcome applications from individuals whose research expertise includes biomechanics, functional morphology, eco-physiology, or related fields.

The successful candidate is expected to establish an extramurally funded research program that complements the research strengths of our department which span from molecules to ecosystems. The research and graduate programs of the Department of Biological Sciences are integrated with the Heritage College of Osteopathic Medicine (HCOM) providing ample opportunities for interactions and collaborations. Faculty research is also supported by numerous university initiatives and there are opportunities to collaborate with several other departments, research institutes, and centers at Ohio Uni-

versity including the Ohio Center for Ecological and Evolutionary Studies (OCEES), Department of Environmental & Plant Biology, Department of Geography, and the Environmental Studies program in the Voinovich School of Leadership and Public Service. The department also has access to the Ohio University Land Laboratory, which supports teaching and research.

The successful applicant is expected to establish and maintain a vibrant, world-class research program that will attract external funding, recruit graduate students (MS and PhD), and contribute to collaborative and interdisciplinary research within the department and across the university. The successful candidate is also expected to provide research experiences for undergraduate students and teach one upper-level undergraduate course in organismal biology, and two additional courses that fill departmental teaching needs and are consistent with the candidate's expertise. The individual will also contribute professional service to the department and university.

Ohio University and the Department of Biological Sciences Ohio University is a Carnegie Foundation R1 residential campus with an enrollment of over 25,000 students. Founded in 1804, Ohio University Athens campus consists of nine colleges and multiple interdisciplinary programs. The Department of Biological Sciences consists of a vibrant intellectual community with curriculum designed to prepare students for specific careers, graduate school, and professional schools.

The beautiful and historical Ohio University campus sits at the heart of the city of Athens, a family-friendly and culturally diverse city nestled in the Appalachian foothills. The city is surrounded by state parks, providing a scenic atmosphere with abundant wildlife and hundreds of miles of nearby hiking, biking, and jogging trails. The dynamic Athens "uptown" is lined with shopping, dining, and coffee shops only steps away from campus. Seasonal festivals, live music, a twice-weekly farmers market, and campus events provide year-round activities. In addition to Athens' low cost of living and small-town charm, downtown Columbus is just over an hour drive away.

For further inquiries please contact the chair of the search committee Dr. Donald B. Miles (milesd@ohio.edu)

Donald B. Miles

Professor

Department of Biological Sciences

Ohio University

Athens, Ohio 45701

"Miles, Donald" <milesd@ohio.edu>

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OklahomaStateU ComparativeBiologist

The Department of Biology at Oklahoma State University in Stillwater invites applications for a full-time tenure-track Assistant Professor position with a start date of August 2026. We welcome candidates whose research encompasses any field with strengths in comparative biology; those who investigate biomechanics, functional anatomy, neuroanatomy, or morphological development are especially encouraged to apply. The successful applicant will be expected to establish an extramurally funded research program that includes high research productivity and quality mentoring of students. We expect the successful candidate to play an integral teaching role in our human anatomy and physiology, and/or vertebrate biology courses.

The Oklahoma State University Department of Biology is committed to research, teaching, and outreach. Our department consists of 35 faculty, numerous active adjunct and emeritus members, approximately 80 graduate students, and over 900 undergraduates majoring in biology, plant biology, zoology, and physiology. Oklahoma State University is a Carnegie Tier 1 research institution with a 130-year legacy as one of the nation's premier land-grant universities. The Stillwater campus serves as the flagship of the OSU system which serves over 34,000 students and offers state-of-the-art facilities for research and instruction. All positions are subject to the availability of funding.

For more information and to apply: https://-jobs.okstate.edu/jobs/assistant-professor-of-biology-stillwater-oklahoma-united-states Michael Reichert Associate Professor Department of Integrative Biology Oklahoma State University 524 Life Sciences West Stillwater, OK 74078 USA +1-405-744-5555

michael.reichert@okstate.edu

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RostockU Germany PlantAdaptation

Full Professorship for General and Special Botany at the University of Rostock, Germany

Deadline for applications: December 4th, 2025

The Institute of Biosciences at the University of Rostock addresses organismic and molecular questions across the full range of biosciences. The successful candidate will address the evolution of representatives of the Streptophyta in the course of adaptation processes (e.g. transition from water to land or adaptation to environmental factors such as drought, temperature or light stress) by also incorporating the genomic level of a wide range of species, thereby strengthening the existing research profile of the faculty. In addition to in-depth knowledge of botanical systematics, the application of state-of-the-art methods such as high-throughput sequencing is explicitly desired as part of the current and future research portfolio.

The present faculty's expertise includes the recognition of environmental signals, the structure and function of energy-converting complexes, and the enzymatic synthesis and degradation of sugar polymers in photoautotrophic organisms such as cyanobacteria, algae and plants.

The professorship is associated with the management and development of the university's botanical garden, which is to be actively incorporated into research. Furthermore, collaboration with the institute's research initiatives is expected, as is a willingness to engage in interdisciplinary scientific work within the framework of the university's interdisciplinary faculty.

The professorship is to represent botany in its entirety in courses for the bachelor's degree program in biological sciences and the teacher training programs in biology. The professorship is also expected to contribute substantially to teaching in the Master's program "Functional Plant Sciences". Supportive participation in teaching on nature and species conservation as well as evolution is desired.

A qualified doctorate, several years of independent research activities, preferably also internationally, a habilitation or habilitation-equivalent achievements, as well as the willingness and documented ability to acquire third-party funded research projects, are also required, as is the willingness to participate in academic self-administration.

Applications must include the following documents: full CV, description of academic and professional career, list of peer- reviewed publications, list of previous teaching activities, any additional qualifications in university didactics and previous third-party funding, as well as a description of future research plans and a teaching concept

Applications should be sent to the University of Rostock, Dean of the Faculty of Mathematics and Natural Sciences, Wismarsche Straï¿½e 45, 18057 Rostock or by email to dekan.mnf@uni-rostock.de. (Please send a single PDF file with max. 5MB).

For further inquiries, please contact: Prof. Dr. Marc Nowaczyk, Chair of the Search Committee E-Mail: Marc.Nowaczyk@uni-rostock.de

For further details, including the full advertisement, see: https://www.uni-rostock.de/storages/uni-rostock/Stellenausschreibungen/Ausschreibung_W3_professorship_general_and_special_botany_verl.pdf and https://www.uni-rostock.de/stellen/professuren/ Prof. Dr. Mathilde Cordellier Institute of Biological Sciences Chair of Genetics - Population genetics and Biodiversity Research University of Rostock Albert-Einstein-Strasse 3 D-18059 Rostock, Germany

Email: mathilde.cordellier@uni-rostock.de Pronouns: She/her

https://www.populationsgenetik.uni-rostock.de/en/

Mathilde Cordellier <mathilde.cordellier@uni-rostock.de>

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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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RutgersU EvolutionaryMedicine

Tenure Track Assistant or Associate Professor

https://jobs.rutgers.edu/postings/261289

The Department of Biochemistry and Molecular Biology at the Robert Wood Johnson Medical School (RWJMS), Rutgers Health, seeks outstanding candidates for a tenure-track Assistant or Associate Professor. We seek creative candidates addressing fundamental questions in biomedical research through the lens of molecular

evolution. A central requirement is the integration of evolutionary theory in experimental or computational research.

This position is part of a strategic, cross-disciplinary Evolutionary Medicine Cluster Hire led by the Office of the Executive Vice President for Academic Affairs at Rutgers University. The cluster is an ambitious initiative designed to unify and expand Rutgers' strengths in evolutionary biology, genomics, and human health. Evolutionary medicine offers a framework to understand the origins of disease, improve predictive models, and develop more durable therapeutic interventions. Faculty will catalyze research and teaching around personalized medicine, health equity, and the evolutionary underpinnings of chronic and acute diseases.

More information about the Evolutionary Medicine Cluster can be found here: https://-academicaffairs.rutgers.edu/strategic-diversity-cluster-hires We welcome applicants using biochemical, structural, genetic, systems, or computational approaches to study topics such as but not limited to viral evolution, tumor progression and resistance, host-pathogen interactions, or the molecular consequences of mutation and selection. We will only consider individuals whose research program bridges molecular biology and broader evolutionary or population-level investigations.

RWJMS is home to a large group of interactive and collegial faculty with federally funded research programs in broad areas of biomedical science. The Department of Biochemistry & Molecular Biology offers a vibrant and collaborative environment with access to outstanding core facilities and opportunities for integration across the Rutgers biomedical and life sciences ecosystem. Successful candidates will join an interdisciplinary network spanning six departments, four schools, and multiple research centers and institutes across the University and Rutgers Health campuses.

Rutgers is located at the center of the Northeast corridor, with access to New York, Philadelphia, and the New Jersey shore within an hour. The region is home to world-class universities, numerous pharmaceutical and biotech research facilities, and corporate headquarters. Piscataway and the surrounding areas in Central New Jersey offer vibrant and diverse cultural activities, excellent public and private schools, and opportunities to live in urban, suburban, or small town settings within a short distance of campus. The medical school is home to a large group of interactive and collegial faculty with federally funded research programs in broad areas of biomedical science. The basic science departments are well integrated into a large, highly collaborative research community across the schools and departments of Rutgers University with multiple centers of excellence. Medical school faculty have access to interdisciplinary, Ph.D.-level graduate training programs and outstanding core facilities including genomics, proteomics, metabolomics, genome editing, confocal microscopy, human neuroimaging, and cryo-EM among others. Rutgers is also home to the Protein Data Bank.

Qualified candidates must have a Ph.D., M.D., M.D./Ph.D. or equivalent graduate degree, postdoctoral experience, a demonstrated record of significant research achievement, the potential to make substantial contributions as an independent investigator, and a commitment to teaching graduate and medical students on topics in the Biomedical Sciences. Salary and academic rank are commensurate with experience; excellent benefits and highly competitive startup packages are offered. Applicants should submit: (1) a letter of interest directed to the Faculty Search Committee; (2) a curriculum vitae; (3) a one-page summary of important contributions to science; (4) a two-page description of future research plans; (5) a statement describing their approach to inclusive teaching in pursuit of academic excellence; and (6) full contact information for at least three references.

mmanhart@rutgers.edu

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SwedishUAgriSci InsectSensoryEvolution

Dear All,

The Department of Plant Protection Biology at the Swedish University of Agricultural Sciences is looking for a Senior Lecturer in Chemical Ecology with special focus on Disease Vectors.

The department is an interdisciplinary constellation in which research in Resistance Biology, Integrated Plant Protection and Chemical Ecology develops the sustainable use and management of biological resources. Research on disease vectors include chemical ecology, ethology and evolution of the chemosensory systems of insects that transmit human and animal diseases. Through a multi-disciplinary approach, using functional genomics, studies are performed on how odour- and taste-mediated behaviours of disease vectors are modulated by external

chemosensory cues and internal physiological states.

Specific competence in the following, with relevance to the overall subject Chemical Ecology - Disease vectors is particularly meritorious:

* Documented knowledge in functional genomics, for example genomic or transcriptomic analyses, regulation of chemosensory gene expression, or functional characterization of chemosensory proteins * Documented knowledge of chemosensory systems relating to ecology and evolution Find the full information about the position at the following link, and apply through the online system: https://www.slu.se/en/about-slu/work-at-slu/jobs-and-vacancies/universitetslektor-i-kemisk-ekologi-med-inriktning-mot-sjukdomsvektorer/ Very welcome with your application! Best wishes, Kristina Karlsson Green

Acting Head of Department of Plant Protection Biology Kristina.karlsson.green@slu.se

Nï¿½r du skickar e-post till SLU sï¿½ innebï¿½r detta att SLU behandlar dina personuppgifter. Fï¿½r att lï¿½sa mer om hur detta gï¿½r till, klicka hï¿½r < https://www.slu.se/om-slu/kontakta-slu/personuppgifter/ > E-mailing SLU will result in SLU processing your personal data. For more information on how this is done, click here < https://www.slu.se/en/about-slu/contact-slu/personal-data/ >

Kristina Karlsson Green <kristina.karlsson.green@slu.se>

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TempleU Technician ComputEvol

Research Technician (Molecular Evolution and Phylogenetics)

Positions are available in my laboratory (www.kumarlab.net) for conducting computational analysis in genomics, evolution, and/or medicine. The Research Technician will have the opportunity to contribute innovative methods and data analytics tools to foundational platforms that support the scientific community. You will also assist in analyzing various molecular sequence types and related datasets, implementing algorithms, and analyzing high-throughput data for empirical research. This position offers the opportunity to join a dynamic, agile multidisciplinary research team supporting national and international projects, with a focus on genetic variation across individuals, populations, and cells. Our well-known tools and resources include the MEGA software and the TimeTree database.

Preference will be given to those with master's and doctoral degrees, with demonstrated experience in data analysis and computer programming.

To apply, use the following URL: https://temple.taleo.net/careersection/tu_ex_staff/jobdetail.ftl?job=25002743 In addition to the online application, please send me your resume. This will ensure that your application is considered in full. Also, Temple University automatically rejects applications in which the salary request exceeds the provided range. I suggest that your initial application remain within the limits set out online.

Sudhir Kumar, PhD === s.kumar@temple.edu Laura H. Carnell Professor (kumarlab.net) Institute Director (igem.temple.edu) Temple University

Sudhir Kumar <s.kumar@temple.edu>

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TrinityU Texas EvolutionPhotosynthesis

Trinity University Job Family Group: Faculty

Time Type: Full time

Department/Office: Biology

Posting: https://trinity.wd1.myworkdayjobs.com/en-US/Trinity_University/job/Assistant-Professor-of-Biology—Plant-Micro-Biology_JR101323 Job Description:

Note to EvolDir subscribers: Trinity Department of Biology is seeking to fill this position with a specialist in photosynthetic organisms who can teach plant biology. Thus, interested parties who are specialists in evolution are encouraged to apply.

The Department of Biology at Trinity University invites applications for a tenure-track assistant professor beginning August 2026. Applicants must have a Ph.D. in a photosynthesis-related field of either plant biology or microbiology. Preference will be given to applicants with postdoctoral research experience (or equivalent).

Teaching responsibilities will include lecture and laboratory for lower and upper division courses as well as courses in the University curriculum. Faculty in the Department are expected to develop an independent research program involving undergraduate students. Interdisciplinary research is encouraged and research programs are expected to serve the fundamental University mission to provide our undergraduate students experiential learning opportunities. Successful applicants will demonstrate a commitment to contribute in a can-do and growth-mindset manner to teaching, research, and service to the Department and across the University.

BACKGROUND

Trinity University is a secular, independent, private institution, founded in 1869. Trinity offers high-quality science, liberal arts, and pre-professional programs as represented by the four schools (STEM, Arts & Humanities, Social Science and Civic Engagement, and Business) to approximately 2,500 undergraduate students from the U.S. and more than 45 countries. The attractive campus overlooks downtown San Antonio, a city rich in heritage and ethnic diversity. Additional information can be found on the Resource Guide to Trinity & San Antonio.

The Department of Biology is one of eight departments in the D. R. Semmes School of Science that was recently endowed with a gift of $26 million that in part supports student research and faculty development. The D. R. Semmes School of Science is housed in the Center for the Sciences and Innovation, an innovative and collaborative hub for interdisciplinary research and teaching.

The Department of Biology serves our majors as well as a wide range of other majors across the university, to include Neurobiology,

Biochemistry/Molecular Biology, Chemistry, Psychology, Environmental Studies and a large population of pre-health professional students. We are unified in our commitment to a teacher-scholar model and provide high quality education and active undergraduate research and mentorship programs. Tenured and tenure-track faculty in the Department regularly secure competitive externally funded grants and maintain research agendas with national and international visibility. Our laboratories and facilities are stocked with state-of-the art instrumentation and we maintain close ties/user agreements with local universities and research institutions for equipment not housed in the department. In addition, the University and School are committed to supporting faculty in their aspirations to maintain and expand their research interests and agendas. Further information about our department, its faculty and our facilities is available at https://www.trinity.edu/academics/departments/biology . Both the Department of Biology and the University as a whole value and safeguard academic freedom for faculty members in their teaching and scholarship. Trinity is guided by a set of core values and is committed to implementing practices in pursuit of an inclusive campus for all students, faculty, and staff to feel welcomed and engaged in a community of learning.

DUTIES AND RESPONSIBILITIES

Teaching

Successful candidates are expected to teach 9 credit hours of courses per semester. This consists of any and all combinations of lecture and laboratory, where each is valued at 3 credit hours. These courses include, but are not limited to, introductory biology ("integrative biology"), plant biology, microbiology, ecology, (ecological)physiology, or other biology courses relevant to the candidate's subdiscipline. Faculty are also encouraged to develop non-majors' courses as well as other courses related to broader University initiatives, to include the First Year Experience and study abroad.

Research

Successful candidates are expected to develop a sustainable and vigorous research program involving and publishing with undergraduate students. Interdisciplinary research is welcome.

Service

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TulaneU NewOrleans MarineBiodiversity

We've extended the application deadline and revised the start date for this position.

Description The Department of Ecology and Evolutionary Biology (EEB; https://sse.tulane.edu/eebio) in the School of Science and Engineering at Tulane University in New Orleans announces a Professor of Practice (PoP) position with a focus in marine biology with an anticipated start date of either July 1, 2026 or August 1, 2026.

The successful candidate will teach lecture and laboratory courses in EEB, such as but not limited to Diversity of Life, Mechanisms of Life, Marine Biology, Oceans and Human Health, Sharks and their Relatives, Marine Invertebrates or other, as complementary to our course catalog (https://catalog.tulane.edu/courses/ebio/). Specific responsibilities of the nine-month appointment include teaching the equivalent of three courses each semester, advising EEB majors and marine biology minors (major and non-major tracks), and serving on department, program, and university committees. Professors of Practice hold three-year renewable contracts and, after serving two three-year terms are eligible for promotion to Senior Professor of Practice with five- and seven-year renewal terms.

The EEB Department currently includes four full-time Professors of Practice and eleven tenure-track Professors and offers BS, MS and PhD degrees. The ideal candidate will be committed to excellence in teaching as well as innovative and inclusive pedagogy. Professors of the Practice provide an important contribution to undergraduate teaching, which serves to broaden the undergraduate curriculum in the EEB Department. Professors of Practice can also provide field, service, and/or research opportunities for undergraduates, and may also have opportunities for summer teaching with additional renumeration. Tulane is committed to promoting teaching excellence through additional campus-wide resources such as the Center for Engaged Learning and Learning (https://celt.tulane.edu).

Qualifications A doctorate in Biology or a related field is required.

Application Instructions Applicants should submit a letter of application, a curriculum vitae, teaching philosophy, course evaluations, and contact information of three professional references through Interfolio (https://-/apply.interfolio.com/171874). Doctorate is required by June 30, 2026. Questions regarding the position can be addressed to Dr. Keith Clay (clay@tulane.edu) or Dr. Donata Henry (droome@tulane.edu).

We will begin reviewing applications starting on December 15 and will continue until the position is filled.

Equal Employment Opportunity Statement Tulane University is an equal opportunity educator and employer committed to providing an education and employment environment free of unlawful discrimination, harassment, and retaliation. Legally protected demographic classifications (such as a person's race, color, religion, age, sex, national origin, shared ancestry, disability, genetics, veteran status, or any other characteristic protected by federal, state, or local laws) are not relied upon as an eligibility, selection or participation criteria for Tulane's employment or educational programs or activities.

Tulane University is responsible for providing reasonable accommodations to individuals with disabilities throughout the applicant screening process. If you need assistance in completing an application or during any phase of the interview process, please contact the Office of Human Resources by phone at 504-865-4748 or by email at hr@tulane.edu.

Brian Sidlauskas | Director and Curator

Tulane University Biodiversity Research Institute and Royal D. Suttkus Fish Collection

3705 Main Street, Belle Chasse, LA 70037

Professor

School of Science and Engineering - Department of Ecology and Evolutionary Biology Lindy Boggs 400, 6823 St. Charles Avenue, New Orleans, LA 70118-5698

Office: 504.247.1579 | Mobile: 541.224.3850 Pronouns: he/him/his bsidlauskas@tulane.edu | tulane.edu

"Sidlauskas, Brian L" <bsidlauskas@tulane.edu>

UAlabama TeachingAssistProf

The Department of Biological Sciences at The University of Alabama, (Tuscaloosa, AL, USA) seeks to hire an Assistant Teaching Professor for a 9-month renewable contract (RCAP) teaching position in Human Ecology and Evolution.

Duties include teaching, research, and service. We are seeking a dynamic, enthusiastic individual who is interested in teaching excellence with research experience in ecology, historical human societies, and biometry. Applicants must hold a Ph.D. in Biological Sciences, Anthropology, or a related field. Teaching duties for the RCAP faculty member include undergraduate majors courses, as well as graduate courses in the successful candidate's area of expertise depending on the department's need. The candidate is expected to develop new courses in Historical Ecology and/or Human Ecology. Other potential courses include but are not limited to: Ecology and Evolution, Introduction to Probability and Statistics for Biologists, and Computational Biology Laboratory. The candidate is expected to incorporate innovative teaching methodologies to enhance the learning experience of our

students and achieve learning outcomes. The RCAP faculty member is expected to serve on department, college, and/or university committees and to participate in undergraduate advising. Additionally, the mentoring of graduate student research at the master's level is expected. As the position has a large research component, candidates with a successful history of national grant funding (NSF, NIH, EPA, etc.) and postdoctoral experience will be given preference.

The position is structured as a renewable 9-month contract. Promotion through the academic ranks (Associate and Full Professor) is possible based on future performance reviews. Questions about this position should be addressed to the chair of the search committee, Dr. Daryl W. Lam (dwlam@ua.edu).

To apply go to https://careers.ua.edu/jobs/search/AS complete the online application, and upload: (1) a cover letter outlining qualifications (e.g., including innovative teaching practices, academic experience, and research interests); (2) CV; (3) a list of three to five references (including contact information); (4) a statement of teaching interests and philosophy; and (5) a research statement. The search committee will request letters of reference as needed. Consideration of applications will begin immediately and will continue until the position is filled. There will be a preliminary Zoom conversation with selected applicants, after which top candidates will be informed whether their formal interviews will proceed virtually or in-person. Prior to hiring, the final candidate will be required to pass a pre-employment background investigation. The expected start date is August 16, 2026. Additional information about the Department of Biological Sciences can be found on our website at http://bsc.ua.edu . The University of Alabama is located in Tuscaloosa, Alabama, named one of Travel + Leisure's 25 Best College Towns and Cities in the U.S. As one of the nation's premier universities, UA offers bachelor's, master's and doctoral degrees in nearly 200 fields of study. With more than 1,400 acres of tree-lined academic core campus and over 300 state-of-the art facilities, UA has been ranked among the most beautiful and most impressive college campuses in the South, in the state of Alabama and in the nation.

In Fall 2023, the Capstone set a new enrollment record with more than 39,000 students, including more than 8,200 in the freshman class. The current enrollment includes students from every county in Alabama, every state in the nation and 92 countries around the world. More than 1,100 National Merit Scholars are currently enrolled, making UA one of the largest enrolling institutions of the scholars in the country.

UA was recently recognized as a Top Producing Institution of Fulbright U.S. students for the seventh time in nine years, as well as a Top Producing Institution of Fulbright U.S. Scholars for the first time. UA is one of only 12 universities in the nation to receive both honors.

UA is also designated among the top doctoral research universities in the United States in the Carnegie Classification of Institutions of Higher Education. One of the fastest growing major research institutions in the nation, UA saw a 21% increase in sponsored awards in the 2023 fiscal year.

Since 2015, UA has invested over $1.1 billion in the physical campus, adding more than 2.55 million gross square feet of space, over 150 new research-intensive faculty, signature research areas (e.g., "The Alabama Research Institutes"), and a growing number of partnerships with industry and with state and federal agencies.

The University employs nearly 2,100 faculty and over 4,500 staff, with 52 UA researchers included in the National Academy of Inventors. An

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UCentralFlorida PlantEvolPhysiology

The Department of Biology at the University of Central Florida (UCF) invites applications for the position of tenure track Assistant Professor, Plant Physiology (9-month appointment), anticipated to begin Fall 2026. We seek a broadly trained, integrative botanist who will use innovative approaches to develop a high-quality research program in plant physiology. All disciplines of plant physiology will be considered, from molecular to ecological to evolutionary, in terrestrial or aquatic environments, focusing on any plant or algal taxa. Focal work on agricultural crops, while not preferred, will be considered if it demonstrates an explicit connection to fundamental biological processes. In particular, the ideal candidate will contribute courses to the Plant Science track within the biology major and expand undergraduate research opportunities in plant physiology. The instructional duties and services assignments are in accordance with the department's current equitable workload policy.

The Department of Biology blends contemporary research and dynamic teaching from a broad-based curriculum. We have successfully trained thousands of undergraduate students for a range of biology careers, fostering a strong foundation in the life sciences and equipping them with critical thinking skills. Many classes engage High Impact Practices, offering students opportunities to receive hands-on experience in the field and pursue a graduate education through a master's program in Biology and a Ph.D. program in Integrative and Conservation Biology. Our facilities include a genomics core laboratory, an on-campus transgenic greenhouse, walk-in growth chamber, research hoophouses, herbarium, research field plots, and 800 acres of natural lands and wetlands. Our faculty and research scientists are actively addressing environmental challenges through novel researchâcoastal restoration to marine turtle conversation, boldly shaping a better future. For more information, please see https://sciences.ucf.edu/biology . UCF College of Sciences The UCF College of Sciences (COS) is the largest college at UCF and a powerhouse for the regional and national STEM workforce, spanning the natural, computational, physical, and social sciences and housing centers, institutes and initiatives that serve as hubs for research and innovation. Through sharing and applying knowledge, COS is cultivating pathways for students to solve our world's most pressing and complex problems. With a mission to provide a world-class education in an environment where faculty, staff, and students thrive, research flourishes, and our community prospers; a number of COS academic programs are among those nationally ranked by U.S. News and World Report, Princeton Review, and others.

For more information, please visit https://-sciences.ucf.edu . UCF, named one of the most innovative public universities in the nation by U.S. News & World Report, is located in Orlando, Florida and is classified as a Very High Research Activity university by the Carnegie Foundation. With more than 70,000 students, UCF is one of the largest universities in the country, offering more than 240 degree programs. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation. For more information, visit http://www.ucf.edu . Minimum Qualifications: Applicants must have a Ph.D. in life sciences from an accredited institution by the time of application.

Preferred Qualifications: The ideal candidate will: (a) show potential to develop and maintain a vigorous, extramurally funded research program including research opportunities for graduate and undergraduate students; (b) show commitment to excellence in teaching, effective student mentoring, and strong academic support for our student population; (c) complement department strengths; (d) demonstrate an ability to collaborate with other disciplines; and (e) will have postdoctoral training or comparable work experience.

Additional Application Materials Required: UCF requires all applications and supporting documents be submitted electronically through the Human Resources employment opportunities website, https://www.ucf.edu/-jobs/. In addition to the online application, interested candidates should upload a single PDF document that includes: (1) a cover letter that explains the applicant's research program and how it complements current departmental expertise; (2) a curriculum vitae; (3) a statement of research interests and plans (limit two pages); (4) a teaching statement including potential courses the candidate could teach or develop (limit two pages).

NOTE: Please have all documents ready when applying so they can be

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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>

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ULouisville QuantitativeBiology

The Department of Biology at the University of Louisville invites applications for a tenure-track Assistant Professor in Quantitative Biology, with an anticipated start date of Fall 2026. We seek applications from candidates whose research uses plants to address fundamental questions in evolution, ecology, and/or environmental health by leveraging computational, bioinformatic, statistical, or modeling approaches. Areas of interest include, but are not limited to population genomics, phylogenomics, functional -omics, climate science, or other "big-data" approaches that link molecular mechanisms to ecological and evolutionary dynamics involving plants.

The successful candidate will join a vibrant department with opportunities for interdisciplinary collaboration with multiple core facilities and use of the university's field research reserve, Horner Sanctuary. We are looking for a new colleague who will contribute to the department's teaching mission in both undergraduate and graduate programs. Anticipated teaching responsibilities include some combination of Population & Community Ecology, Plant Taxonomy or Plant Ecology, Biostatistics, Multivariate Statistics, or a "big data"-focused course aligned with the candidate's expertise.

For more information and to apply visit: https://uofl.wd1.myworkdayjobs.com/en-US/-UofLCareerSite/job/Assistant-Professor-of-Quantitative-Biology_R107629 "Lackey, Alycia" <alycia.lackey@louisville.edu>

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UMassBoston MicrobialEcologyEvolution

The Department of Biology at the University of Massachusetts Boston seeks applicants for a full-time tenure-track Assistant Professor to pursue a research program in microbial ecology. The position will begin September 1, 2026. Areas of interest within microbial biology include (but are not limited to) the impact of microbial communities on human or environmental health, the effects of microbes on multiple levels of biological organization (i.e., from cells to ecosystems), interactions among microorganisms, and evolutionary processes in microbial communities.

The successful applicant is expected to establish an externally funded research program, direct the research of students at the doctoral, masters, and undergraduate levels, and interact with a dynamic group of biologists in research areas ranging from molecular and cellular biology to ecology and evolution. The faculty member will be expected to teach a broad Microbiology course for upper-level undergraduate Biology students, which includes physiological, biochemical, molecular, and evolutionary aspects of microbiology. The faculty member may also teach more specialized courses at the upper undergraduate and/or graduate level. Applicants must have a PhD or equivalent degree and relevant postdoctoral research experience. Commitment to excellence in teaching at the undergraduate and graduate levels is expected.

For further information, visit the Biology Department website at http://www.umb.edu/academics/csm/-biology or contact the Chair of Search Committee, Doug Woodhams at douglas.woodhams@umb.edu or Rachel Skvirsky, Chair of Biology, at rachel.skvirsky@umb.edu.

UMass Boston is an urban public research university with a teaching soul, whose impact is both local and global. We are the third most diverse university in the country - more than 60% of our undergraduate students come from minoritized communities and groups and more than half of our students are the first in their families to attend a college or university. Thus, our students come to us from richly diverse life experiences and backgrounds; they bring to our classrooms and research settings the robust range of perspectives growing out of the socio-cultural, economic, and historical contexts in which they have lived, along with the challenges they

encounter, engage, and strive to overcome. We invite applications from candidates who engage the diverse life experiences of our student body, who appreciate that students bring their holistic selves into the academic setting, and who recognize and articulate how their own life experiences and backgrounds have shaped their journeys, practices, and commitments as researchers, scholars, and educators.

Application instructions:

Candidates should submit: (i) a cover letter detailing how their proposed experimental work would complement existing research within the Department, (ii) a curriculum vitae, (iii) a statement of research plans, and (iv) a statement of teaching philosophy, including teaching experience and preferred teaching areas. Applicants should also include contact information for three references. Applications should be submitted by December 1, 2025, for full consideration. Review of applications will then continue until the position is filled.

Application page: https://-employmentopportunities.umb.edu/boston/en-us/job/-528578/assistant-professor-biology UMass Boston is committed to the full inclusion of all qualified individuals. As part of this commitment, we will ensure that persons with disabilities are provided reasonable accommodations for the hiring process. If reasonable accommodation is needed, please contact HRDirect@umb.edu or 617-287-5150.

Liam J. Revell Professor of Biology, University of Massachusetts Boston email: liam.revell@umb.edu

"Liam J. Revell" <liam.revell@umb.edu>

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UMichigan CollectionManager Herpetology

Research Collections Manager (103316), Division of Reptiles and Amphibians, University of Michigan Museum of Zoology (UMMZ)

How to Apply

A cover letter is required and should be attached as the first page of your CV. A 1-page Collection Management Vision Statement should describe the candidate's motivation to be a collection manager, their skills and experience, and their vision on the roles and priorities of a world-class collection in the context of the Responsibilities and Qualifications listed below.

Applications for the position can be submitted at:

https://careers.umich.edu/job_detail/269553/res-museum-collection-manager Summary

The Department of Ecology and Evolutionary Biology (EEB) at the University of Michigan seeks a Collections Manager for the Division of Reptiles and Amphibians in the Museum of Zoology (UMMZ). The position is based at the University's state-of-the-art Research Museums Center in Ann Arbor, Michigan.

With more than 500,000 vouchered specimens overall (including 70,000 individual snakes), the UMMZ reptile and amphibian collection is the second-largest herpetology research collection globally. The collections are worldwide in scope and include an unparalleled range of type specimens, thematic subcollections, and accessory datasets (ecological, anatomical, genetic, and digital). Hundreds of researchers and students visit annually, and the collection plays a central role in advancing global biodiversity science.

The UMMZ houses one of the world's most extensive and scientifically significant zoological collections and encompasses more than 15 million specimens. UMMZ curatorial teams, staff, and students form a dynamic research community that promote the collections as a living engine for discovery, education, and service to society, driving everything from taxonomy to conservation. Embedded within one of the world's premier public institutions, the UMMZ stands as a hub for collections-based research and education. This position offers the opportunity to play a critical role in promoting the visibility, accessibility, and long-term stewardship of this collection, while training and inspiring the next generation of biodiversity scientists.

Responsibilities

* Maintain and digitize the herpetology collections, including fluid- preserved, cleared-and-stained, skeletal, and tissue specimens, as well as accessory archives (field notes, photographs, radiographs, CT scans, ecological and behavioral data). Activities may include organizing and participating in field expeditions (domestic and international), coordinating digitization projects, and writing collections- based grants.

* Accession and catalog new specimens, tissues, and ancillary materials in coordination with curatorial faculty.

* Develop and implement policies, standards, and procedures for acquisition, accessioning, databasing, georeferencing, and related activities.

* Integrate and manage accessory data (ecological, be-

havioral, anatomical, genomic, microbiome, etc.) to maximize global visibility and accessibility.

* Provide administrative support for the collection, including documentation and summary reports, and coordinate data sharing with external repositories.

* Potential for engagement with research, especially that which involves techniques for collecting / archiving of specimens and accessory data and/or that promotes the scientific or educational value of UMMZ specimens and natural history collections more generally.

* Coordinate and process specimen and tissue loans and exchanges; ensure compliance with institutional, state, federal, and international regulations and permitting requirements.

* Supervise staff, student employees, and volunteers engaged in collection activities within the division.

* Maintenance of the collection areas and equipment to make them suitable for collection preservation, research, outreach, and use by visitors.

* Support and coordinate with curators, students, and visiting researchers in developing research and collection-based projects aligned with the priorities of the division.

* Contribute to educational and public-facing activities of the UMMZ and the university, including collection tours, exhibitions, events, and inquiries from researchers and the public.

Required Qualifications An advanced degree (master's or doctoral) in biology, zoology, or related fields with 3 or more years of experience with routine management and growth of biodiversity collections is required. Familiarity with international, federal, and state regulations governing the collection and use of specimens is required, as is expertise with herpetological diversity; candidates with expertise in amphibians are especially encouraged to apply.

Desired Qualifications Experience with database use and management or other forms of biodiversity

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UNorthCarolina ChapelHill OrganismalAdaptation

The Department of Biology at UNC Chapel Hill will employ a tenure-track position in Organismal Biology at the Assistant Professor level.

The Assistant Professor studies resilience using the organism as a focal unit of inquiry using an integrative approach. Possible research topics include (but are not limited to): how organisms resist or recover from stress or environmental perturbation; mechanisms of plasticity; the role of behavior in fostering resilience; the impacts of organismal resilience scale across levels of biological organization; the role species interactions play in resilience; how resilience mechanisms enable organisms, populations, and communities to respond adaptively to human-induced changes; and how resilience mechanisms evolve and how they impact evolution. Studies in organisms may include animals, plants, and microbes.

The Assistant Professor will teach one course each semester. They are 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.

Preference will be given to candidates whose work complements UNC-CH's strengths in Ecology, Evolution, and Organismal Biology.

In addition to creativity and excellence in research, successful candidates should demonstrate a desire to teach undergraduate and graduate students as well as a commitment to academic excellence and upholding the shared missions of the Department, College, and the University.

Successful candidates are expected to build an active research group, secure competitive external funding, and participate actively in the scientific community at UNC-CH. All candidates must have earned a Ph.D. or equivalent degree, have post-doctoral research experience, and be committed to teaching at the undergraduate and graduate levels.

The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All

qualified applicants will receive consideration for employment without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.

Applicants will need to submit a cover letter, curriculum vitae, a research statement (less than or equal to 3 pages), teaching and mentoring statement (less than or equal to 1 page uploaded as 'Teaching Philosophy/evaluations"), and 3 representative publications (uploaded as "Other Document", "Other Document 2" and "Other Document 3"). In addition, please provide the names and contact information for four references in the cover letter. The online application will prompt applicants for referee names and email addresses. If added to the application, referees may receive automated emails with instructions for submitting letters of recommendation to the recruitment system at a future phase in the selection process. Review of applications will begin November 3, 2025. The position will be effective on or after July 1, 2026. For further details contact biolsearch@unc.edu.

To apply visit https://unc.peopleadmin.com/-hr/postings/307693 "Shamblin, Lori" <Lori_Shamblin@unc.edu>

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UNorthCarolina TeachingEvolution

The Department of Biology at the University of North Carolina at Chapel Hill seeks applicants for two (2) Teaching Faculty positions to be effective July 1, 2026. These positions will be fixed-term faculty at the rank of Teaching Assistant Professor or Teaching Associate Professor, depending on the selected candidates' qualifications and experience. The successful candidates will join a cohesive and innovative group of colleagues in a department dedicated to excellence in teaching.

Both positions come with a teaching load of three courses per semester, primarily at the fundamental and intermediate undergraduate levels. We seek instructors with expertise from any area of biology, including but not limited to: Anatomy & Physiology, Molecular & Cellular Biology, or Ecology & Evolution. Among these topics, Microbiology is a particular priority, and applicants with expertise in this area are especially encouraged to apply. These positions require a Ph.D., but doctoral candidates who expect to have completed their degree by the appointment start date will be considered. All candidates must have a record of independent college teaching experience. The positions will be for an initial fixed term period of 3 years with potential for renewal; promotion is possible in 6-year increments.

To apply, please visit https://unc.peopleadmin.com/-postings/307693 All interested candidates must submit: a cover letter that includes a summary of your teaching experience; a CV (including courses taught, course title, number of enrolled students, and students' academic level); a 2-page statement of teaching philosophy; any available evidence of teaching effectiveness (e.g. peer observations, teaching evaluations, sample assessments); a list of at least 2 professional references, including contact information. Review of applications will begin November 3, 2025. Closing date: December 31. 2025.

Christina Burch Professor of Biology University of North Carolina @ Chapel Hill cburch@bio.unc.edu

"Burch, Christina L" <CBurch@bio.unc.edu>

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UOklahoma AssistCuratorFishes

Position Title Assistant Curator of Ichthyology and Assistant Professor of Biological Sciences (Tenure Track) Location University of Oklahoma Norman Campus: Sam Noble Oklahoma Museum of Natural History and Dodge Family College of Arts and Sciences: School of Biological Sciences Position Type Faculty Position URL apply.interfolio.com/174674 Position Description

The Sam Noble Oklahoma Museum of Natural History(SNM) and the School of Biological Sciences(SBS) at the University of Oklahoma (OU) invite applications for a full-time 12-month tenure-track split position as Assistant Curator (0.59 FTE)/Assistant Professor (0.41 FTE) with a start date Fall 2026.

We seek an innovative, creative and collaborative colleague with a record of collections-based research in ichthyology who will establish a discipline-leading, student-involved, cross-disciplinary and externally funded research program; build collaborations within and outside the University; and work with colleagues and students toward OU's Lead On Strategic Plan.

The ideal candidate will perform collections-based research in any subfield of fish biology, including but not limited to Systematics, Phylogenetics, Comparative Genomics, Landscape/Population Genetics, Biodiversity, Geographical Ecology, Global Change Biology, and/or Evolutionary or Conservation Biology, and have experience working with museum collections. We are especially interested in candidates who use genetic or genomic tools and datasets in combination with innovative computational, ecological, behavioral and/or comparative approaches to address questions within the context of one or more of the four SBS research initiatives.

The successful candidate will: (1) develop and maintain an extramurally-funded research program; (2) grow and curate the collection of fishes; (3) contribute to museum public exhibit development and support; (4) develop and contribute to museum education and community outreach activities; and (5) contribute to undergraduate and graduate teaching, including instruction of one course per year in Ichthyology, Animal Behavior, Biogeography, Genetics, Evolution, Ecological Modeling, or Bioinformatics.

The SNM is a Provost-direct unit and the designated museum of natural history for the State of Oklahoma. The museum has an outstanding curatorial, collections, education, exhibits and support staff that serve the museum's mission from research to preservation to education. The SBS was recently established through the integration of the departments of Biology and Microbiology & Plant Biology to align programs and research with faculty strengths and the OU Norman Research Strategic Verticals.

OU invests in its faculty by providing support and resources through the Center for Faculty Excellence and Vice President for Research and Partnerships Office. The Dodge Family College of Arts and Sciences supports faculty development through mentoring, new faculty orientation series, and access to research and educational support. We encourage candidates to apply who are seeking to work in a university-based museum and a rapidly growing college with collegial interdisciplinary groups and strong academic units.

Qualifications

Required Qualifications:

Ph.D. in Biology, Ichthyology or other related field at the time of application. Established record of high-quality research and publications. Demonstrated record of, or clear potential for, strong extramural funding. Familiarity with effective teaching practices and mentoring approaches that support students from a wide range of backgrounds. Record of specimen-based collection experience and potential for specimen-based curation and obtaining collection grants. Record of, or potential for, collection interpretation, exhibition development, and science communication. Demonstrated commitment to outreach, community engagement, and service to the museum, school, university, and discipline. Commitment to teaching undergraduate and graduate courses that engage students as they explore museology and biological sciences, provide the skills and knowledge needed to succeed in the museum and bioscience workforce, and encourage students to become active members of the museum and scientific community.

Preferred Qualifications: §Experience leading collaborative projects and working with interdisciplinary teams. §Record of past teaching efforts, evidenced by list of courses taught, example syllabus, and/or teaching evaluations. §Potential for collaborations with others within the Museum and School.

Application Instructions

Applicants are required to submit a current curriculum vita and the following documents (1-3 pages each) to https://apply.interfolio.com/174674: 1) a cover letter describing your interests in and qualifications for the position; 2) a curatorial plan including your museum experience with collections, collection

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UOklahoma Biostatician

Assistant/Associate Professor of Biological Sciences- Biological Statistics

University of Oklahoma, Norman Campus

Position Description

The School of Biological Sciences (SBS) at the University of Oklahoma (OU) invites applications for a full-time, 9-month tenure-track position at the rank of Assistant or Associate Professor with a start date of August 16, 2026.

We seek an innovative and creative educator/scholar who will lead the effort to establish a foundational course in statistics and quantitative analysis to serve as the

requirement for undergraduate majors in the Biology degree program. In addition, the candidate will have the opportunity to develop advanced courses in biostatistics to offer at the senior undergraduate and graduate levels. Teaching load of two courses (1:1) per year.

The successful candidate will also be expected to engage in scholarship focused on Biological Statistics and quantitative reasoning writ large. This research program could include, but would not be limited to the following: Bayesian Statistics, Biosignal Analysis, Statistical Learning/Modelling, imputation approaches, or STEM Pedagogy with a focus on Quantitative Literacy. The candidate's scholarship should complement existing collaborations within one or more of the four synergistic research themes of the SBS (https://www.ou.edu/cas/sbs/research-themes) and create new convergent collaborations across themes and the OU Norman and Health Campuses, as well as nationally and internationally. The SBS is a large and intellectually diverse unit, which aligns instructional programs, research, and faculty strengths within the Vice President for Research and Partnership's Strategic Research Framework, part of OU's Lead On Strategic Plan.

OU invests in its faculty by providing support and resources through the Center for Faculty Excellence and Vice President for Research and Partnerships Office. The Dodge Family College of Arts and Sciences supports faculty development through mentoring, new faculty orientation series, and access to research and educational support. We encourage candidates to apply who are seeking to work in a rapidly growing college with collegial interdisciplinary groups and strong academic units.

Qualifications

Required Qualifications:

§Ph.D. in Biology, Statistics, STEM Education, or other related fields awarded by the appointment start date.

§Experience in course/curriculum design.

§Established record of high-quality scholarship.

Preferred Qualifications:

§Ability to contribute to core quantitative curricula in the SBS.

§Evidence of excellence in teaching, including commitment to or familiarity with effective teaching practices and mentoring approaches that support students from a wide range of backgrounds.

§One or more years of post-doctoral experience.

§Experience leading collaborative projects and working with interdisciplinary teams.

§Potential for collaborations with others within the SBS and across the OU campuses and beyond.

Application Instructions

Applicants should submit 1) a cover letter describing their interest in the position and their fit with the SBS research themes, 2) a full curriculum vitae, 3) a research statement describing their research focus, methods, and future trajectory, 4)â€a teaching plan briefly describing their approach to teaching and student mentorship, and their plans/goals for teaching at OU (including existing and proposed courses) and advising undergraduate and graduate students, 5)â€names and contact information for three confidential letters of recommendation, 6) and up to three selected reprints/preprints as PDF files. Please keep cover letter, teaching, and research statements to 1-3 pages each. Applications should be submitted online via Interfolio at https://apply.interfolio.com/174731 . Screening of candidates will begin October 30, 2025 and will continue until the position is filled.â€â€

Inquiries should be directed to the search committee chair:

Dr. J.P. Masly, Associate Director, School of Biological Sciences, University of Oklahoma (masly@ou.edu)

Equal Employment Opportunity Statement

The University, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, sex, sexual orientation, marital status, genetic information, gender identity/expression (consistent with applicable law), age (40 or older), religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes but is not limited to admissions, employment, housing, financial aid, and educational services.

Why You Belong at the University of Oklahoma

The University of Oklahoma values our community's unique talents,

— / —

UOklahoma MolecularAnthropologist

Assistant or Associate Professor of Anthropology - Molecular Anthropology (Tenure Track/Tenured)

University of Oklahoma Norman Campus: Dodge Family College of Arts and Sciences: Anthropology

Position Description The Department of Anthropology at the University of Oklahoma (OU) and Laboratories of Molecular Anthropology and Microbiome Research (LMAMR) invite applications for a 9-month tenured/tenure-track/ appointment at the rank of assistant or associate professor with a start date of Fall 2026.

We seek an innovative, creative and collaborative Molecular Anthropologist who will establish a discipline-leading, student-involved, cross-disciplinary and externally funded research program; build collaborations within and outside the University; and work with colleagues and students toward OU's Lead On Strategic Plan.

The ideal candidate will specialize in Molecular Anthropology with a focus in Ancient/Modern Epigenetics, Microbiome, Ancient Pathogens, eDNA/sedaDNA, One Health, or Human Biology. This position will contribute substantially to the ongoing research in molecular anthropology at OU.

We are seeking a scholar whose home department would be Anthropology but would also be affiliated with the Laboratories of Molecular Anthropology and Microbiome Research (LMAMR) at OU. LMAMR represents an interdisciplinary partnership that seeks to understand biocultural, ecological, and evolutionary dimensions of life. We study biomolecules retrieved from extant, forensic, historical, archaeological, and environmental materials, with special attention to humans and human-associated organisms, including commensals and pathogens. LMAMR is also home to a world-class ancient DNA laboratory. For additional details, please visit https://lmamr.org/ . A successful candidate will be expected to provide training for graduate students and postdocs and mentor undergraduates in research. Additionally, they will contribute to undergraduate and graduate teaching (one course per semester while associated with LMAMR) in areas such as in existing courses, "What Makes Us Human," "Plagues and People," population genetics, biological anthropology, and/or in their specific area of expertise.

OU invests in its faculty by providing support and resources through the Center for Faculty Excellence and the Vice President for Research and Partnerships Office. The Dodge Family College of Arts and Sciences supports faculty development through mentoring, a new faculty orientation series, and access to research and educational supports. We encourage candidates to apply who are seeking to work in a collaborative multi-PI lab setting and a rapidly growing college with collegial interdisciplinary groups and strong academic units.

Qualifications Required Qualifications:

- Ph.D. in anthropology or other related field in hand by start date.

- Established record of high-quality research and publications.

- Demonstrated record of, or clear potential for, strong extramural funding.

- Commitment to teaching undergraduate and graduate courses that engage students

Preferred Qualifications:

- Experience leading collaborative projects and working with interdisciplinary teams.

- Demonstrated teaching record.

- Potential for collaborations with others within LMAMR and across the university

Application Instructions Qualified individuals may apply at https://apply.interfolio.com/174780 Applicants should submit 1) a cover letter describing your interest in the position and, your fit with the LMAMR, 2) a full curriculum vitae; 3) a research portfolio consisting of up to a two page narrative and up to three representative publications; 4) teaching portfolio consisting of up to a two page narrative and optional syllabus for a course you are interested in teaching; 5) names and contact information for three confidential letters of recommendation

Screening of candidates will begin November 15 and will continue until the positions are filled.

Inquiries should be directed to the search committee chair: Patrick Livingood, Associate Professor University of Oklahoma patrickl@ou.edu

Equal Employment Opportunity Statement The University, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, sex, sexual orienta-

tion, marital status, genetic information, gender identity/expression (consistent with applicable law), age (40 or older), religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes but is not limited to admissions, employment, housing, financial aid, and educational services.

Why You Belong at the University of Oklahoma

The University of Oklahoma values our community's unique talents, perspectives, and experiences. At OU, we aspire to harness our

— / —

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

UPuertoRico RioPiedras EvoDevo

The Department of Biology at the University of Puerto Rico, Río Piedras Campus, invites applications for a tenure-track faculty position in Developmental Biology. We seek an innovative scientist investigating the mechanisms that shape development and evolution across organisms, from molecular and cellular processes to organismal and systems levels.

We welcome applicants using classic or novel organisms and employing diverse approaches, including:

Omics technologies(genomics, transcriptomics, proteomics,metabolomics)

Advanced imaging and quantitative analysis

Evolutionary and comparative developmental biology (Evo-Devo)

Computational biology, big data, or AI-based modeling

The successful candidate will establish an independent, externally funded research program, contribute to under graduate and graduate teaching, and engage in mentorship and collaborative research within a dynamic and inclusive scientific community. The University offers access to state-of-the-art research facilities and a unique setting for exploring tropical biodiversity and evolution. The department of biology is diverse and vibrant with local and national (USA) funding opportunities.

For additional information and instructions on how to apply, please visit: English) https://www.uprrp.edu/wp-content/uploads/2025/10/Tenure-Track-Faculty-Position-Announcement-Development-Biology-signedMGV.pdf Spanish) https://www.uprrp.edu/wp-content/uploads/2025/10/Convocatoria-Biologia-del-Desarrollo-EspsignedMGV.pdf English version:Tenure-Track Faculty Position Announcement - Developmental Biology (PDF)

Spanish version:Convocatoria - Biología del Desarrollo (PDF)

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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URochester EvolutionaryGenomics

Location Rochester, NY

Open Date Sep 16, 2025

Salary Range or Pay Grade $105,000 - $115,000

Deadline Nov 10, 2025 at 11:59 PM Eastern Time

Description

The Department of Biology at the University of Rochester invites applications for a tenure-track Assistant Professor position in evolutionary genetics and genomics. We seek applicants whose research programs use mathematical, computational, and/or quantitative approaches to address important topics in evolutionary biology.

The successful candidate is expected to establish an externally funded research program and contribute to teaching and research mentoring at undergraduate and graduate levels. The Department of Biology is a collegial, multidisciplinary department which affords opportunities for intellectual interactions across diverse research disciplines, with particular strengths in genetics and evolution. The University of Rochester offers strong institutional support, including state of the art computing infrastructure, and a rich environment for interactions beyond our department, including the Goergen Institute for Data Science and the University of Rochester

Medical Center.

Complete applications include: a cover letter, curriculum vitae, a statement of research interests and plans (no more than three pages), a statement of teaching qualifications and interests (no more than two pages), three letters of reference, pdfs of three representative publications, and a one-page statement discussing the ways in which your experiences will shape your pursuits as a member of our faculty and help you add to the University's core values of Meliora (ever better). Instructions for supplying the reference letters are provided on the application website. For full consideration applications should have all application materials submitted by November 1st. The anticipated start date of the position is July 2026.This position is part of a new cluster of faculty positions in Mathematics, Physics, Biology, and the Brain and Cognitive Sciences supported by the Simons Foundation.

The referenced pay range represents the full base range of pay for this job. Individual salaries will be determined within the job's salary range and established based on market data, experience and expertise of the individual, and internal equity considerations.

Qualifications

Candidates should hold a PhD degree.

Application Instructions

As part of your application, please submit the following:

Cover letter Curriculum vitae, including a list of publications A statement of research accomplishments and future plans A statement of teaching experience and interests Three significant/representative publications Three references Optional: A statement discussing the way in which your experiences will shape your pursuits as a member of our faculty and help you add to the University's core values of Meliora (ever better)

While applications after the deadline may be considered, for full consideration, applicants should complete their application before November 1, 2025.

"Hibbins, Mark" <mhibbins@UR.Rochester.edu>

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USheffield VisualSignalEvolution

Project: Perceptual bias and the evolution of organism communication signals

4-year Research Associate position at the University of Sheffield: deadline 16 Nov 2025 https://www.jobs.ac.uk/job/DPB994/research-associate-biodiversity-and-evolution Position overview:

We have an exciting opportunity for a motivated and enthusiastic individual interested in biodiversity, evolution, neuroscience and/or machine learning to join the Leverhulme Trust funded research project 'Perceptual bias and the evolution of organismal communication signals' as a Research Associate. The post is for 4 years.

The project will make use of recent advances in computational neuroscience, machine learning and image analysis to investigate questions linking animal visual signal diversity to biases in visual perception.

You will lead the investigation of research questions probing these links and be responsible for important aspects of project execution including data collection, analysis and interpretation, and manuscript preparation. This is an excellent opportunity to work on a long-term project at the intersection of biological and computer science research domains.

Applicants must hold a PhD (or equivalent experience) in a relevant subject area along with an interest in biodiversity, evolution, neuroscience and/or machine learning. A strong analytical and quantitative skillset and experience of programming languages (e.g. R, Python) are also essential.

This post will be supervised by Dr Christopher Cooney (https://www.cooneylab.co.uk/) and will involve working closely with other project members including co-investigators Prof Gavin Thomas (Sheffield), Dr Julien Renoult (CNRS Montpellier), as well as PhD student and research technician. The research group is embedded within the world-class Ecology and Evolutionary Biology Research Cluster, part of the School of Biosciences at the University of Sheffield (https://sheffield.ac.uk/biosciences/research).

The University of Sheffield builds teams of people from different heritages and lifestyles from across the world, whose talent and contributions complement each other to greatest effect. We believe diversity in all its forms

delivers greater impact through research, teaching and student experience.

To apply and for further details of the role, please follow the link above. Informal enquiries are welcome, please contact: c.cooney@sheffield.ac.uk.

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

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USouthCarolina EvolutinaryBiology

Assistant Professor of Biology (Tenure-track)

The Department ofBiological, Environmental, and Earth Sciences at the University of South Carolina Aiken seeks applications for a full-time, 9-month, tenure-track Assistant Professor of Biology, with an expected start date of August 16, 2026. Primary teaching responsibilities will include undergraduate courses in introductory biology, ecology, and specialty areas within the biology curriculum. The successful candidatewill be expected to develop an active research program that includes mentoring of undergraduate research projects. The department has a history of funded research and places a high value on undergraduate research. Salary is commensurate and competitive with qualifications and experience.

Requirements: Ph.D. in the biological sciences (ABD will be considered with degree conferredby time of appointment), a commitment to excellence in teaching, a proven research and publication record in the ecological sciences that is commensurate with career level, and the ability to develop a research program that includes mentoring undergraduates.

Preferred: Postdoctoral experience, teaching experience at the undergraduate level, a recordof continuous scholarly activity, a research focus on terrestrial ecosystems, and a strong interest in teaching and research at a small comprehensive liberal arts institution.

The Department ofBiological, Environmental, and Earth Sciences is home to 16 full time faculty members and approximately 200 undergraduate majors. We offer a BA in biology and BS degrees in biology, clinical laboratory science, environmental earth systems, and public health. BS biology majors may choose concentrations in molecular biology or environmentalremediation & restoration. To learn more about our department and university, visit: https://www.usca.edu/academics/cse/-bees/ . USCA is an affirmative action, equal opportunity employer and does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of age, ancestry, citizenship status, color, disability, ethnicity, familial status, gender (including transgender), gender identity or expression, genetic information, HIV/AIDs status, military status, national origin, pregnancy (false pregnancy, termination of pregnancy, childbirth, recovery therefrom or related medical conditions, breastfeeding), race, religion (including religious dress and grooming practices), sex, sexual orientation, veteran status, or any other bases under federal, state, local law, or regulations.

The initial screening of applicants will begin on October 17, 2025, and continue until filled. To be considered for this position, applicants must apply online at:https://-uscjobs.sc.edu/postings/194951and upload the following with their online application: a current CV, cover letter discussing qualifications and interest in the position, teaching philosophy, research plan describing involvement of undergraduates at USCA, unofficial graduate and undergraduate transcripts, and full contact information for three professional references. Finalists will be required to provide official undergraduate and graduate transcripts, as wellas three letters of recommendation. Questions may be directed to Dr. Kristina Ramstad, Chair of the Search Committee at KristinaR@usca.edu. The University ofSouth Carolina Aiken (USCA), a public comprehensive university in the University of South Carolina system, offers undergraduate and master's degrees to more than 4,000 students in 60 programs of study. USCA has ranked as one of the best public schools in the South by U.S. News & World Report for the 26th year in a row. Additionally, USCA was recognized for being a Best College for Veterans and a Top Performerin Social Mobility. USCA is South Carolina's COPLAC institution providing a unique and strong liberal arts core within our degree offerings. We boast students from 35 states and 32 countries. USCA has ten NCAA Division II Athletic programs. For more information about USC Aiken visit www.usca.edu . Situated on 450 acres, USC Aiken is located thirty minutes from Augusta, GA (home of the Masters Tournament and Fort Gordon, new home of US Army Cyber Command), one hour from Columbia, SC, and within three hours of Charleston, SC, coastal beaches, and the Appalachian Mountains. Aiken is noted for its famous thoroughbred horses, numerous parks and golf courses, wonderful weather, spacious avenues, and historic homes.

Kristina M. Ramstad, PhD Professor Biological, Environmental, & Earth Sciences University of South Car-

olina Aiken 471 University Parkway | Aiken, South Carolina 29801 p. 803-641-3439

#uscaiken

KristinaR@usca.edu

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USouthFlorida InstructorEvolutionaryPhysio

Full add here: https://fa-ewkd-saasfaprod1.fa.ocs.oraclecloud.com/hcmUI/-CandidateExperience/en/sites/USF/job/-41624/?utm_medium=jobshare&utm_source=-External+Job+Share Position Details

Department: Integrative Biology/ 0-1211-000 College/Division: College of Arts and Sciences Salary Plan: Faculty Salary: $60,000

Duties: The Department of Integrative Biology (IB) at the University of South Florida invites applications for a full-time, continuing, non-tenure earning teaching faculty at the level of Assistant Professor of Instruction. This will be a 9-month appointment to begin August 7, 2026. The successful candidate will be asked to teach 3 courses per semester, including Human Anatomy & Physiology, Animal Science, Introduction to Animal Anatomy, or General Physiology. The successful candidate may also develop an upper-level course within the candidate's specialty. Supplemental summer appointments may be available, depending upon the needs of the University and the availability of resources. The successful candidate would become a voting member of the IB department and have the opportunity to supervise undergraduate research and progress through USF's Professor of Instruction promotional path.

Minimum Qualifications: Applicants must have a Ph.D. in Biology or related discipline from an accredited institution or equivalent qualifications based on professional experience that meet national and/or regional accreditation standards at the time of appointment. Applications from individuals who are ABD will be accepted, but the degree must be conferred by appointment start date.

Preferred Qualifications: Preference will be given to applicants who have experience using evidence-based teaching practices. Experience teaching Biomedical, Evolutionary Medicine, and/or Human Anatomy & Physiology or a similar course preferred. Experience teaching large enrollment courses is desirable.

How to Apply: To apply, visit http://-employment.usf.edu to complete the required information and submit in one PDF file the following: (1) a one-page cover letter, (2) a CV, (3) a teaching statement of two to three pages, and (4) the names, titles, and emails of three references.

Please include your experience as it relates to the qualifications stated above. All the requested documents must be in one PDF file for consideration. Only online applications are accepted for this position.

Position is open until November 30, 2025, with initial review of applications beginning on December 1, 2025.

About USF: The University of South Florida is a top-ranked research university serving approximately 50,000 students from across the globe at campuses in Tampa, St. Petersburg, Sarasota-Manatee and USF Health. USF is recognized by U.S. News & World Report as a top 50 public university and the best value in Florida. U.S. News also ranks the USF Health Morsani College of Medicine as the No. 1 medical school in Florida and in the highest tier nationwide. USF is a member of the Association of American Universities (AAU), a group that includes only the top 3% of universities in the U.S. With an all-time high of $738 million in research funding in 2024 and as a top 20 public university for producing U.S. patents, USF uses innovation to transform lives and shape a better future. The university generates an annual economic impact of more than $6 billion. USF's Division I athletics teams compete in the American Conference. Learn more at www.usf.edu . Conclusion of this search is subject to final budget approval. According to Florida Law, applications and meetings regarding them are open to the public. USF is an Equal Opportunity/Equal Access Institution. For disability accommodations, contact Giovanni Luciano at (gluciano1@usf.edu), a minimum of five working days in advance.

Mark Margres <margres@usf.edu>

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UTuebingen LabManager MolecularBiodiversity

The Cluster of Excellence "TERRA-Terrestrial Geo-Biosphere Interactions in a Changing World" (https://-/www.terra-cluster.org) is seeking to fill the position of

LAB MANAGER FOR MOLECULAR BIODIVERSITY (m/f/d, E11 TV-L, 80%),

from January 2026 on a fixed-term contract from 1 January 2026 to 31 December 2032.

TERRA is an interdisciplinary research initiative of the Universities of Tübingen and Hohenheim and the Senckenberg Society for Nature Research in Frankfurt. We investigate interactions between the geosphere and biosphere and their significance in a changing environment. As part of TERRA, a Molecular Biodiversity Lab (MBL) is being set up at the Department of Biology at the University of Tübingen as a central infrastruc-ture for projects that investigate biodiversity using high-throughput molecular methods (e.g. genetic diversity of plants and animals and diversity of microbial communities).

The duties of the position include: (1) Collaboration in the planning and development of the MBL, (2) management of the MBL, including coordination of its use by different research groups, (3) setting up a pipetting robot and responsibility for its operation, and (4) instructing and training scientists and technicians in the use of MBL technology, as well as implementing and further developing lab protocols for next-generation se-quencing.

We expect you to have completed training as a biological-technical assistant (BTA) or have a comparable qualification with many years of experience in next-generation sequencing and/or laboratory management, or a university degree in molecular biology with substantial laboratory experience. Experience with NGS or la-boratory automation is generally an advantage. The working language at TERRA is English. Therefore, good English skills (at least B2) are essential, and additional German skills (A2 or higher) are an advantage.

We are looking for a team player with good organisational skills, English language skills and an interest in scientific research. We offer a varied and responsible position in an exciting international research environment. Tübingen is a great place to work with a high quality of life.

Please send your application (cover letter, CV, certificates = one PDF file) by 31 October 2025 at the latest to MBL@biologie.uni-tuebingen.de with the subject line 'Application: Your name [TERRA-09]'. Severely disabled persons will be given preferential consideration if equally qualified. Recruitment is carried out by the Universi-ty's Central Administration.

If you have any technical questions, please contact Oliver Bossdorf at oliver.bossdorf@uni-tuebingen.de

– Prof. Dr. Oliver Bossdorf University of Tübingen Plant Evolutionary Ecology oliver.bossdorf@uni-tuebingen.de

GROUP: www.uni-tuebingen.de/plantevoeco HERBARIUM: www.uni-tuebingen.de/herbarium PUBLICATIONS: https://scholar.google.com/-citations?user=hAPepaEAAAAJ Oliver Bossdorf <oliver.bossdorf@uni-tuebingen.de>

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UWyoming AvianResearchTech

We are hiring a 1-year, salaried and benefitted avian research and lab technician to support our NSF-funded research on the evolutionary ecology and eco-physiology of giant hummingbirds in the Andes. This is a full-time (1.00 FTE), 12-month, fixed-term position. The candidate will be based in the lab of Dr. Jessie Williamson in the Department of Zoology & Physiology at the University of Wyoming in Laramie, WY (https://-www.jessiewilliamson.com/).

Position flyer available here: https://drive.google.com/-file/d/1Ozhdem7Rlb3XlCvJ0kXdci7L1x4o65tk/view What the candidate will do: - Supervise wet lab work & coordinate fieldwork - Refine molecular assays for field conditions - Collect data from hummingbirds in the Peruvian Andes - Analyze and interpret data - Train students & early career researchers

What the candidate will gain: - Expertise in lab & field techniques relevant to many life sciences fields - Experience supervising field teams in remote locations - Opportunities to tailor projects and develop publications - Mentorship, professional development, and interdisciplinary networking - Support from an engaged team of collaborative, integrative scientists - Competitive salary

with full benefits

Qualifications: B.A./B.S. in life sciences (M.S. preferred), 1+ years of experience supervising lab and/or field teams, fieldwork & bird handling experience, enthusiasm for creative problem-solving, and positive attitude. Spanish speaking and writing skills and ability to drive manual transmission (stick shift) strongly preferred.

To apply, visit: https://tinyurl.com/-williamsonresearchtech. The position will remain open until filled with a best consideration date of November 1st, 2025. Start date is ~January 2026.

For questions about this position, please contact me at: jessie.williamson@uwyo.edu. Information about the position is also available on my lab's website: https://www.jessiewilliamson.com/opportunities . jessie.williamson@uwyo.edu

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Other

Call ESEB HewittMobilityAward Deadline Jan31

GODFREY HEWITT MOBILITY (GHM) Award - Call for Applications

Godfrey Hewitt (1940-2013) was President of the European Society for Evolutionary Biology (ESEB) from 1999-2001. He was exceptionally influential in evolutionary biology both through his research and through his mentoring of young scientists. He was also a great believer in seeing organisms in their environment firsthand and in exchanges of ideas between labs. Therefore, ESEB annually offers mobility grants for young scientists in his name.

DEADLINE: SATURDAY, 31 JANUARY 2026.

ELIGIBILITY

The award is open to PhD students or postdoctoral scientists who are, at the closing date for applications, within 6 years of the start date of their PhD and ESEB members. In addition, applicants will be considered who are more than 6 years from the start of their PhD if they have had career breaks, worked part-time, or for other reasons have not worked continuously. Applicants who have previously received a Godfrey Hewitt mobility award are not eligible. The maximum single award will be 2,000 Euros.

SCOPE

The Godfrey Hewitt mobility award supports fieldwork or a period of research at a lab that you have not previously visited. There is no restriction on the country of residence or nationality of the applicant. A report will be required after one year.

APPLICATION PROCEDURE

Your application should be sent as a single PDF file to Ute Friedrich at the ESEB office, office@eseb.org. It should include your name, current status and institution, your PhD start date, your ESEB membership number, a description of the work to be carried out (maximum 500 words), an outline budget with brief justification (maximum 100 words) and a signed statement from your

PhD supervisor or postdoctoral adviser (maximum 100 words) explaining why the work cannot be funded from your home institution or your proposed host institution.

Applications will be considered by a committee chaired by Andrea Betancourt. The aim will be to announce decisions before the end of March 2026. The committee will consider the following key criteria:

1. The value of the proposed mobility in terms of its expected output and impact on the applicant's career. The committee prefers projects that are: ——— a. Not a core component of the applicant's existing PhD or postdoctoral project, but a new venture. ——— b. Clearly based on the applicant's own initiative ——— c. Likely to be completed and have definable output within the award period ——— d. Have the potential to lead to larger future projects or to enhance the applicant's career in evolutionary biology

2. The need for the GHM award, i.e. the potential for the funding provided by ESEB to make a difference, in relation to resources already available through the home or host institution.

Please endeavour to address these points in your application. For further guidance from the committee in shaping your proposal, see the GHM award application guidance at https://eseb.org/prizes-funding/godfrey-hewitt-mobility-award/ . Best wishes, Ute Friedrich, ESEB Office Manager

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

ESEB Office <office@eseb.org>

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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 OutreachInitiativeFund Mar15

ESEB Outreach Initiative Fund

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

Applications for funding will be accepted for educational initiatives that promote evolution, public outreach seminars, public exhibitions,workshops,etc.

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

Descriptions of previously funded projects are available at https://eseb.org/prizes-funding/outreach-fund/

Please use the ESEB application form to submit your proposal and note the word limits given herein. The form can be downloaded at the ESEB website:https://-/eseb.org/prizes-funding/outreach-fund/ We request that at least one of the applicants be an ESEB member, and submissions are limited to one per member per call. You can become a member by registering here: https://eseb.org/society/eseb-membership/

Proposals will be accepted until *15th March 2026***and should be submitted by email to the ESEB office (Email: office@eseb.org; Subject: Outreach 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!

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

The applications will be evaluated by the Outreach Initiative Committee:

Florence Debarre, Chair (FR) Trine Bilde (DK) Hannah Dugdale (NL) Andy Gardner (UK) Efe Sezgin (TR)

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

ESEB Office <office@eseb.org>

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Genetics SpecialIssue FitnessLandscapes

Dear Colleagues:

I am writing to share the news of a special issue of GENETICS on “Fitness Landscapes: data, theory, and

applications to be edited by myself and Sergey Kryazhimskiy (UCSD). We encourage you to participate in this initiative and consider submitting a paper for review by March 18, 2026. More information on the special issue can be found here:

https://doi.org/10.1093/genetics/iyaf206 We look forward to hearing from you and/or receiving your manuscript in the coming months.

With all best wishes,

David McCandlish

Special Issues Editor, GENETICS Associate Professor Simons Center for Quantitative Biology Cold Spring Harbor Laboratory 1 Bungtown Road Cold Spring Harbor, NY 11724 mccandlish@cshl.edu

david.mccandlish@alum.swarthmore.edu

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IRIC UMontreal 2026SummerInternships

Life science research internship opportunities

Dear collaborators,

The research institute IRIC of Université de Montréal recently launched the 2026 edition of its IRIC Next Generation Competition. This program offers scholarships to undergraduate students to complete a 12-to-16-week internship at IRIC in life science research during the summer 2026.

This program is open to students (Canadians, permanent residents of Canada or international student already present in Canada and holding a valid study permit for the duration of the internship) enrolled in the following programs notably:

Biochemistry Bioinformatics Biomedical Engineering Biomedical Sciences Biopharmaceutic Sciences Cell Biology Chemistry Computer Sciences Molecular Biology Microbiology and Immunology Physics etc

Two virtual information sessions will take place on Tuesday, November 11th, 12:00 p.m. (Eastern time) in French and Wednesday, November 12th, 12:00 p.m. (Eastern time) in English.

Could you please forward the following invitation with the virtual information sessions as well as the attached document to undergraduate students registered in your department/program?

Thank you in advance for your cooperation!

Feel free to contact me for further information.

Best regards,

Virginie Mondin, Ph.D Coordinator - Academic affairs Institute for Research in Immunology and Cancer

T 514-343-6111, ext 31197

Marcelle-Coutu Pavilion 2950, Chemin de Polytechnique Office 3303 Montréal QC H3T1J4 www.iric.ca I Faire un don

2026IRIC Next Generation Competition

Looking for a summer internship in lifescience research?

The 2026 IRIC Next Generation Competition program offers undergraduate students an enriching opportunity to conduct summer internship of 12 to 16 weeks in research at IRIC at Montreal.

Details, projects and eligibility criteria

Want to know more? Join our virtual information session ! Tuesday, November 11, 12:00 pm (EST) in French Click here Wednesday, November 12, 12:00 pm (EST) in English Click here No registration necessary, just click on the link at the date and time of the meeting.

This program is open to students enrolled in the following programs notably :

Bioinformatics / Biochemistry / Biomedical Engineering / Biomedical Sciences / Chemistry / Informatics/ Molecular Biology / Microbiology and Immunology / Pathology and Cellular Biology / Pharmaceuticals Sciences / Pharmacology / Physics / etc.

Value of the awards :

$5,568- 12-week internship $7,424- 16-week internship

List of projects offered in Summer 2026

APPLICATION DEADLINE:TUESDAY, DECEMBER 2th, 2025, 10:00 A.M. (EST) Apply now

Institute for Research in Immunologyand Cancer Marcelle-Coutu Pavillon 2950, chemin Polytechnique, Montréal (Québec) H3T 1J4

Â©IRIC - 2026

“virginie.mondin” <virginie.mondin@umontreal.ca>

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Many thanks, Nicki

Dr. Nicola Cook Managing Editor

JEB <jeb.office@eseb.org>

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JEvolBiology InternalConflicts

Call for Papers: Special Issue on "Foundations of Internal Conflicts"

We invite you to contribute a manuscript to our Special Issue "Foundations of Internal Conflicts" in the Journal of Evolutionary Biology. To express an interest, or if you'd like to know more about the Special Issue, please contact Martijn Schenkel: martijn.schenkel@wur.nl

Deadline for submission of manuscripts: 28th February 2026

Summary Organisms across the tree of life are afflicted by internal conflicts, where their constituent parts from single genes to swathes of cells are selected towards different ends. These internal struggles drive genetic and cellular selfishness, as seen in e.g. meiotic drivers, imprinted genes, reproductive parasitism, and cancerous cells. The capacity of such selfish elements to distort phenotypic traits and genetic transmission is at odds with organismal adaptation and fitness. Despite their pervasive and profound impact, the study of internal conflicts has long taken place in an isolated manner. Different selfish elements have been studied within different communities, resulting in a range of distinct approaches, rather than a concerted effort fostering common terminology and methodology. This fragmented approach has hindered a proper evaluation of how internal conflicts affect organismal adaptation, both in theory and in practice.

In this special issue, we will explore the fundamentals of the study of internal conflicts with a focus on the following questions:

(1) What would a common methodological framework for studying internal conflicts look like? (2) How can we connect theoretical and empirical work on internal conflicts? (3) Which hitherto unconsidered factors enhance or diminish the impact of internal conflicts on organismal function and adaptation?

All submissions spanning theoretical, empirical, and philosophical approaches are welcome. In particular, we invite primary research articles. Drawing on the most recent insights garnered by our community is essential to answering these fundamental questions.

Guest Editors: Martijn Schenkel Arvid Ãgren Manus Patten Nina Wedell Thomas Hitchcock

LifeHistoryEvolution

I'm excited to share that a new book co-edited by Michal Segoli (Ben-Gurion University) and Eric Wajnberg (INRAE), titled Life History Evolution: Traits, Interactions, and Applications, was published earlier this year by Wiley.

The volume brings together 24 chapters by leading researchers and is organized into three main sections:

Evolution of life-history traits â€exploring variation in traits such as age at maturation, lifespan, offspring number and size, sex ratios, parental care, and more, across a wide range of organismsâinsects to humans.Life-history evolution in species interactions â€examining how these traits evolve in the context of ecological relationships, including herbivore-plant, predator-prey, parasite-host, and mutualistic interactions.Applied perspectives â€highlighting how life-history theory informs our understanding of applied issues such as global warming, pollution, urbanization, biological control, disease, and wildlife management.

The introduction was written by Stephen C. Stearns (Yale University), one of the founders of life-history theory.

Michal Segoli <msegoli@bgu.ac.il>

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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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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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SSE DobzhanskyPrize CallForNominations

The Society for the Study of Evolution (SSE) is now accepting nominations for the Dobzhansky Prize to rec-

ognize the accomplishments and future promise of an outstanding early-career evolutionary biologist.

We seek nominees working in all areas of evolutionary biology, on any taxonomic group/system, using empirical and/or theoretical approaches. We hope the pool of nominees will reflect the many axes and components of diversity in the evolutionary biology community. We are specifically looking for candidates who take creative approaches to answering pressing questions in evolutionary biology. We welcome nominations of researchers around the globe.

The Dobzhansky Prize recipient presents an award talk at the annual Evolution meeting. The prize is accompanied by 5,000 USD and a three-year membership in SSE.

Submit your nomination by December 1, 2025: https://shorturl.at/p70wY SSE Communications <communications@evolutionsociety.org>

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SSE ResearchSynthesisWorkingGroups CallProposals

The Society for the Study of Evolution (SSE) invites proposals for sponsored Research Synthesis Working Groups at the 2026 Evolution meeting (up to two in-person and one virtual). These groups are intended not just as symposia, but as launchpads for novel ideas, new syntheses, and continued collaboration. By bringing together diverse researchers around an emerging or synthetic theme, the working groups will catalyze interaction at the meeting, with the expectation that the collaboration will continue after the meeting concludes. Preference will be given to groups who plan to produce a synthetic review or special feature aimed for either SSE society journal (Evolution Letters or Evolution).

Deadline: January 6, 2026

More information:

https://www.evolutionsociety.org/content/society-awards-and-prizes/sponsored-symposia.html *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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SystematicsAssoc FoundersLecture Oct24

Dear all,

The Systematics Association is pleased to announce this year's edition of our Founders' Lecture series.

This year's speaker will be Prof. Emma Teeling, University College Dublin, who will be speaking to us on: *Bats: Genomes, phylogenies, fossils and cures?*

For the abstract and further details, please visit our web page < https://systass.org/founders-lecture/ >.

When: Friday, October 24 18:00 UTC+1

Where: The Linnean Society, Burlington House, Piccadilly, London, UK

Registration: tinyurl.com/28u2u2z8

We hope you will join us for this event.

Ana Serra Silva Communications Officer for the Systematics Association

Communications SystAss <communications@systass.org>

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UTexas ElPaso Postbac EvolBiology

Are you a recent graduate or about to graduate with your bachelor's degree in Biological Science, Environmental Science, or related fields?

Not sure what your next step is?

The UTEP ROADS Postbaccalaureate program could be for you!

UTEP ROADS is an NSF funded RaMP (Research and Mentoring for Postbaccalaureates) program that aims to provide the next generation of global change scientists

with transformative research training and professional development - all while engaging them within a supportive academic network at the University of Texas at El Paso and beyond.

The ROADS program is seeking applicants who:

Have received a Bachelor's degree in Biological Sciences, Environmental Science (or related field) within the last 4 years (May 2022 - May 2026)

Have a minimum GPA of 3.0 (preferred)

Have US Citizenship or Permanent Residency

Why should you apply?

ROADS students will:

Be awarded one-year of full support ($32.5K stipend, funds for research, travel, and subsistence)

Develop and conduct a year-long research project at UTEP within a faculty members lab

Experience innovative science that focuses on identifying the effects global change has on ecological, evolutionary, and environmental processes in the extreme dryland environments of the Arctic and Desert

Participate in expert led workshops, seminars, and networking events that aim to enhance the professional skills needed to thrive in graduate school or STEM careers

Have an opportunity to publish their findings in scientific journals

Be part of a supportive and collaborative team of mentors and peers!

How can you apply? Applicants must submit:

Online Application and Registration https://-etap.nsf.gov/ Emails of 2 professional references for letters of recommendation

A personal essay on interest in the ROADS program and research background

Unofficial Academic Transcript

Applications for the ROADS Postbaccalaureate program are due March 1st , 2026

Please see the full Application Details on our UTEP ROADS Website!

https://www.utep.edu/science/ramp/ Have additional questions? Please contact ramp@utep.edu

"Schaeffer, Kathleen E" <keschaeffer2@utep.edu>

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WorldFlora OnlineID ToolsSurvey

Dear Sir or Madam, The World Flora Online needs you and the International Society for Horticultural Science (ISHS)! WFO is planning plant identification features that could be incorporated into the WFO platform.

We would really value your input to guide WFO priorities across image recognition, digital keys, and id workflows. We invite you to tell us what you need from future WFO ID tools in a 10???minute survey. We would be extremely grateful if you could cascade this invitation at your institution, or to your research team and collaborators to ensure the survey reaches the widest possible number of people. This flyer may be of use for this or can be printed for local distribution. We are looking from responses from researchers, conservation practitioners, educators, growers, horticulture, IT/developers, students, citizen scientists, and anyone identifying plants. The survey is just 16 questions and should take less than 10 minutes. We will ask you how you use and would like to use WFO for plant identification, as well as what tools you already use. Responses are confidential and analysed in aggregate unless you ask to be kept updated.

Please access the survey by clicking the link below in the language of your choice.

The survey deadline is November 15th, 2025.

English, French, Hindi, Italian, Malay, Mandarin, Portuguese, Spanish With sincere thanks: The World Flora Online Identification Task Force

The Royal Botanic Gardens, Kew is a non-departmental public body with exempt charitable status, whose principal place of business is at Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AE, United Kingdom.

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Eve Lucas <E.Lucas@kew.org>

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PostDocs

AarhusU PopGenomics

TWO YEAR POSTDOC POSITION IN POPULATION AND CONSERVATION GENOMICS

The Department of Biology, Aarhus University, Denmark, invites applications for a two-year postdoc in population and conservation genomics, focusing on genetic load in high-Ne species.

The postdoc will work on the project “The Genetic Load of Plenty: When Too Much Diversity Becomes a Burden”, funded by the Villum Foundation.

The project will explore if species with enormous historical effective population sizes (Ne) accumulate very high amounts of recessive deleterious mutations (masked genetic load). This load could then become realized when populations decline and inbreeding occurs, significantly elevating extinction risk as compared to species with lower Ne. The project will test if there is indeed an association between Ne and genetic load even for high-Ne species and will focus on fishes. European (Anguilla anguilla) and American eel (A. rostrata) will represent species with extremely high historical Ne but now experiencing drastic declines. A number of other marine and freshwater species will represent a gradient of Ne.

In addition to standard bioinformatics work the project encompasses analysis of demographic history and Ne, estimation of inbreeding and genetic load, and eco-evolutionary simulation.

The position is available from 1 March 2026 or as soon aspossible thereafter and is for 2 years.

The deadline for applications is 15 November 2025. For detailed information and for applying for the position, please see https://international.au.dk/about/profile/-vacant-positions/job/two-year-postdoc-position-in-population-and-conservation-genomics For more information and questions, please contact Dr. Michael M. Hansen (mmh@bio.au.dk)

Michael M. Hansen

Professor

Department of Biology

Aarhus University

Ny Munkegade 114-116

DK-8000 Aarhus C

Denmark

E-mail mmh@bio.au.dk

Web http://person.au.dk/michael.m.hansen@biology
Tel.: +45 40247191

Michael Møller Hansen <mmh@bio.au.dk>

AMNH NewYork EvolBiology

RGGS Postdoctoral Fellowships

The Postdoctoral Research Fellowship Programs of the Museum are designed to advance the training of each participant by having them pursue a specific, time-limited project in association with Museum professionals in the museum setting. The applicant's project must fit into one or more of the main research areas of interest in the Museum's Scientific Divisions:Anthropology,Invertebrate Zoology,Paleontology,Physical Sciences(Astrophysics and Earth & Planetary Sciences), or Vertebrate Zoology.

Postdoctoral Fellows are expected to conduct their work at the Museum. Applicants are encouraged to contact potential curatorial sponsor(s) prior to applying. Appointments are typically made for two years. In addition to a competitive salary and benefits, limited relocation, research and publication support is provided. Newly graduated or soon-to-graduate Ph.D. students may apply.Fellows must have received their degrees or deposited their dissertations before they can begin their appointments. There are no citizenship or geographic requirements to apply.

The expected salary for these post-doctoral positions is $71,181. Astrophysics candidates may be eligible for supplemental funding up to a maximum of the level of a NASA Hubble Fellowship (currently $77,690), subject to funding availability. All post-doctoral appointment salaries may vary based on funding sources.

Deadline to Apply: 11/15/2025 at 11:59 PM ET

Link to Website:

https://www.amnh.org/research/richard-gilder-graduate-school/fellowships Link to Application Instructions:

https://www.amnh.org/content/download/432812/-6290821/file/rggs-postdoctoral-fellowship-application-instructions-2025.pdf Contact Email for Questions: fellowships-rggs@amnh.org

Asmeret Bekele Manager of Student Affairs and Fellowship Programs Richard Gilder Graduate School at the American Museum of Natural History 79th St. at Central Park West New York, NY 10024-5192 Tel. 212-769-5017 Fax. 212-769-5257 abekele@amnh.org; http:/-/rggs.amnh.org Asmeret Bekele <abekele@amnh.org>

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AMNH NewYork EvolutionaryBiol

We are pleased to announce that we are accepting applications for our Postdoctoral Research Fellowships Program at the Richard Gilder Graduate School at the American Museum of Natural History.ïÂ¿Â½ Deadline: November 15, 2025.

The Postdoctoral Research Fellowship Program at the American Museum of Natural History provides training to postdoctoral investigators to carry out a specific project within a limited time period. The project must fit into one or more of the Museum's areas of interest: Anthropology, Invertebrate Zoology, Paleontology, Physical Sciences (Astrophysics and Earth & Planetary Sciences), and Vertebrate Zoology. This Fellowship Program is designed to advance the training of the participant by having them pursue a project in association with Museum professionals in the Museum setting

Postdoctoral Fellows of all groups listed above will be hired as full-time employees of the American Museum of Natural History. During their employment, they will receive full medical insurance as well as all other AMNH employee benefits. Limited relocation, research, and publication support is provided. Appointments are typically made for up to two years. Postdoctoral Fellows are expected to be in residence working at the Museum.

Applicants must contact appropriate AMNH curator(s) in their field(s) well before the deadline to discuss the feasibility of their project before applying.

Awardees must have received their degree or deposited their dissertation before they begin their appointment.

Details about the Postdoctoral Research Fellowships Program can be found on https://www.amnh.org/-research/richard-gilder-graduate-school/fellowships Please contact us (mailto:fellowships-rggs@amnh.org) if you need any further information. ïÂ¿Â½ Richard Gilder Graduate School American Museum of Natural History https://www.amnh.org/research/richard-gilder-graduate-school Anna Manuel <amanuel@amnh.org>

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AuburnU SocialInsectBiology

Postdoc Position: Social Insect Biology in the Smith Bee Lab at Auburn University (broad search)

Position Description. Research Areas: collective behavior, nest architecture, spatial organization, social physiology, or any complementary research area.

Members of the Smith Bee Lab are encouraged to develop their own research program within the broad framework of social physiology and colony function. Prior experience working with honey bees is not required - we are actively seeking researchers with complementary skills to join our group, as long as they have a strong interest in the underlying biological concepts. Projects looking to develop methods, analytical tools, or make use of our existing datasets are of particular interest (e.g., 3-dimensional spatial organization of the nest).

Postdoc position has a flexible start-date, but could be as soon as Spring 2026, and is available for up to 4-years, contingent on satisfactory performance. Postdoctoral candidates should have a PhD in any of the following: biology, computer science, data science, engineering, physics, statistics, or a related field.

Note: if you are unsure if you will qualify, please feel free to get in touch. Applicants should email the following as a single PDF to Michael Smith: mls0154@auburn.edu

- Cover letter describing your interest and qualifications for this position, as well as any additional information you'd like us to know about you (~1-2 pages) - Curriculum vitae (CV) - Contact information for three references

If you have questions about this opportunity or the study, please contact Michael Smith, mls0154@auburn.edu. Review of applicants will begin Nov 1st 2025, and continue until a suitable applicant is found.

More information can be found here: https://drive.google.com/file/d/-1p52hwoFYBWOS_EMmPnA87UNcmOdIS6nw/-view?usp=sharing Michael L Smith <mls0154@auburn.edu>

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BiologyCentre Czechia InsectGenomics

Position: Postdoc in Genomics of Convergent Insect Lineages Laboratory of Insect Symbiosis (AleÂ Buèek) Institute of Entomology Biology Centre in ÃeskÉ BudÃ-Czechia https://bucek-lab.org/ Start: early 2026 (exact date negotiable) for 2 years Application deadlines: 1st December 2025 Organisms frequently evolve similar adaptations in response to similar environments. Do these organisms follow parallel or unique (lineage-specific) trajectories? Is macroevolution at the molecular level deterministic or predictable under certain circumstances? We lack these answers due to the scarcity of comparative genomic studies on massively multiply convergent organismal groups.

We are seeking a Postdoctoral Fellow who will address these questions by employing our lab's model system: rove beetles (Staphylinidae: Aleocharinae) that independently adapted more than fifteen times to symbiosis with termites.

The PostDoc is expected to leverage our in-house unpublished genomic data currently at the stage of scaffolded near-chromosome level assemblies covering six independent origins of termitophily and their sister or closely related free-living lineages. The candidate is expected to design experiments and analyses that complement and expand the comparative genomics approach. The only restriction to the creativity of the successful candidate will be the use of the beetle-termite model system.

We require - curiosity and enthusiasm about insect molecular evolution - motivation and ability to lead a research project - PhD degree in biology, bioinformatics, or related fields - proficiency in bioinformatics, experience with comparative genomics is highly desirable

We offer - stimulating research environment of an international team (Colombian, British, Danish, Indian, Czech) focused on macroevolution of termites and their parasites

- living environment of a green campus within the most bicycle-friendly city in Czechia - starting monthly net salary based on previous experience at least 1,600 EUR (˜ 120% of avg. net salary in the region, living cost is lower than in western Europe) with 5% growth after first year

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

Inquiries for further details are welcome.

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

Inquiries for further details are welcome.

Ales Bucek <bucek.ales@gmail.com>

CEBC France AlbatrossQuantitativeGenetics

I am looking to hire a postdoctoral researcher to work on quantitative genetics of albatross populations using pedigree and genomic data, as part of a funded project on the demographic impact of evolution on long-lived seabirds.

The position is funded for two years, preferably starting early 2026 (flexible). The position will be based at CEBC, Villiers-en-Bois, France (seehttps://www.cebc.cnrs.fr/?lang=en). The campus is located in a forest in the countryside, 1h drive from the Atlantic ocean. Gross salary between 2 991 euro and 4166 euro (depending on experience), with social benefits. Baseline working time is 38.5h/week, with ˜44 days of paid leave/year (not counting public holidays).

The project is based on long-term, individual-based, monitoring of three albatross populations, in the French sub-Antarctic territories. The postdoc is expected to 1) process RAD-seq and lcWGS data and combine them with the existing pedigrees and life-history dataset; 2) fit quantitative genetic model to address questions related to recent genetic change, evolvability and inbreeding depression, in albatross populations. Other potential work directions include analyses of selection, demographic projections, extra-pair reproduction, method development... based on the postdoc's interests.

The candidates should:

- Hold a PhD in a relevant field - Have experience handling genomic data and fitting quantitative genetic mod-

els - Have experience publishing in peer-reviewed journals - Be independent and rigorous

For more information and to apply online see https://-emploi.cnrs.fr/Offres/CDD/UMR7372-TIMBON-003/-Default.aspx Application deadline December 31st 2025.

If you have further questions on the project or position, please contact Dr. Timothée Bonnet at timothee.bonnet@cebc.cnrs.fr (replies might be slow due to remote fieldwork).

Timothée Bonnet <timothee.bonnet@cebc.cnrs.fr>

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CornellU EvoDevo

Postdoc Position in Evolutionary Developmental Biology

Department of Ecology and Evolutionary Biology, Cornell University

Applications Due: 01 Nov 2025

The Babonis Lab at Cornell University seeks to hire a motivated postdoctoral research associate who will use a broad range of cellular, molecular, and functional genomic techniques in a wide array of marine invertebrate species to interrogate the evolution and development of novel traits. The successful candidate will be expected to develop and optimize protocols for various 'omic techniques (single cell transcriptomics, proteomics, etc) and other techniques for assaying protein function in non-model organisms at different life stages. This position will also require the development and maintenance of transgenic animals that will be used to examine the evolution of cell identity within and across species.

To qualify, applicants must have a Ph.D. and expertise in molecular biology, transgenesis, genome editing, and protein biochemistry. The ideal candidate will also have significant experience with: genome-wide DNA and RNA sequencing and analysis techniques, marine animal husbandry, and embryological manipulations.

To apply, please visit: https://academicjobsonline.org/-ajo/jobs/30571 For inquiries, please contact:

Leslie S. Babonis, PhD (she/her) Assistant Professor Curator of Marine Invertebrates Ecology & Evolutionary Biology Cornell University E137 Corson Hall Ithaca, NY 14853

babonislab.com LSB257@cornell.edu

Leslie Babonis <lsb257@cornell.edu>

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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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Gloucester MA MarineAnimalEvolution

Gloucester Marine Genomics Institute (GMGI) is an exciting independent research institute addressing critical challenges facing our oceans, human health, and the environment through innovative scientific research and education. GMGI is looking for a Postdoctoral Scientist to join our team studying the biology of exceptionally long-lived marine animals. Our goal is to translate evolutionary insights from these exceptional animals into interventions that promote human health span and combat age-related diseases, using zebrafish as a development platform. This position will mine the genomes of long- and short-lived fishes and clams to identify evolutionary mechanisms that set lifespan. These mechanisms will then be genetically modeled in zebrafish to extend healthy aging. The project will use extensive computational methods, modern genetic tools, and develop new assays to modulate and test the molecular mechanisms of aging.

The ideal candidate will have strong leadership skills, excellent communication skills and the ability to work with a multi-disciplinary team of collaborators. This is an extraordinary opportunity for a dynamic and motivated scientist to learn a powerful genetic model and advance aging research in an entrepreneurial and exciting work environment.

Responsibilities:

Lead research projects in comparative genomics of exceptionally short- and long-lived species.

Generate comparative resources through sequencing, assembly, and annotation of diverse genomes using modern bioinformatic tools.

Use existing phylogenetic analytical tools and develop novel ones when necessary to glean evolutionary insights into the regulation of lifespan from diverse 'omics' data.

Curate diverse biological datasets to form the basis of meta-analyses to identify shared signals underlying the evolution of lifespan.

Develop evolutionary signals underlying lifespan variation into genetic interventions to evaluate their effect on aging and healthspan in zebrafish.

Develop and apply assays to measure and quantify biological aging in zebrafish, including methylation clocks, histology, and compound neuro-muscular functionality.

Contribute the generation and maintenance of transgenic zebrafish lines, including microinjection, mutant screening, and genotyping.

Analyze experimental data with high proficiency using appropriate bioinformatic and statistical approaches.

Lead the publication of results in peer-reviewed scientific journals and present research findings at scientific conferences.

Contribute to grant proposals, institutional fund-raising activities and community outreach activities.

Mentor interns and research staff as needed.

Qualifications:

PhD in molecular/cell biology, bioinformatics, or a related field, with particular emphasis on phylogenetics.

Experience with standard molecular biology techniques such as DNA/RNA isolation, PCR/qPCR, molecular cloning and CRISPR gene editing.

Experience generating and analyzing 'omics data with

particular expertise in analyzing non-model species.

Strong computational skills and experience with standard bioinformatic and statistic software packages.

Proficient with the Linux environment and knowledge in command line interface, writing shell scripts, and applying scripts of commonly used languages for biological data analysis (i.e. Python, R) Strong publication record representing innovative, high-quality research.

Experience working with aquatic models is desirable.

Experience with methylation clocks is desirable.

Excellent communication and teamwork skills.

Demonstrated record of leadership, integrity and flexibility.

Enthusiasm and commitment to GMGI's mission for science and education.

This position will report to the Research Scientist.

It's our goal as an employer to provide an enriching and supportive environment for our employees. We are proud to offer a benefit package that includes:

Health and Dental Insurance

Medical and Dependent Flex Spending Accounts

Long Term Disability

Life Insurance

Paid Time Off

403(b) Retirement Plan

12 Paid Holidays

Applicants must be authorized to work in the US.

About GMGI

Gloucester Marine Genomics Institute (GMGI) was launched in 2013 in the belief that the ocean represents a new source of opportunity. As a not-for-profit whose ambitious mission is to "address critical challenges facing our oceans, human health and the environment through innovative scientific research and education" GMGI is demonstrating that there is vast potential in marine science discovery powered by genomics.

GMGI is proud to be an equal opportunity employer, and all aspects of employment are based on merit, competence, performance and business need.

In addition to researching diversity in our oceans, GMGI is committed to supporting diversity in our workforce and classrooms. We know that having varied backgrounds and experiences stimulates discussion and new ideas. We are committed to taking action on diversity, equity,

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GoetheU FrankfurtAmMain MechanisticBiodiversityModelling

If you thrive on curiosity, teamwork, and the thrill of building something new from the ground up, this one's for you. A brand-new research group has just come to life at Goethe University Frankfurt in Germany, and it could use a right hand team spirit. The Computational Integrative Biodiversity (CIB) group at the new Center for Critical Computational Studies (CÂ³S) and affiliated with the Senckenberg Biodiversity and Climate Research Centre is looking for an enthusiastic postdoctoral researcher who enjoys thinking across scales and disciplines, bridging Biodiversity and Mechanistic, Process-Based Eco-evolutionary models and data, and occasionally questioning the assumptions of both.

Postdoctoral Researcher (m/f/d), E13 TV-G-U 100% Computational Integrative Biodiversity (CIB), Center for Critical Computational Studies (C3S) Goethe University Frankfurt am Main, Germany

Start: as soon as possible. Duration: 3 years with possible extension Location: Westend Campus, Frankfurt am Main, Germany Link for position: https://www.uni-frankfurt.de/48794987/-Zentrale_Einrichtungen Further links: https://www.c3s-frankfurt.de / https://www.hagen.bio

Summary: CIB group integrates mechanistic biodiversity modelling with geohistorical and climatological data across spatial and temporal scales. The postdoc will develop an independent research line, publish, acquire third-party funding, and contribute to teaching.

Responsibilities:

* Conduct independent research on climate-biodiversity interactions; collaborate across disciplines. * Apply and develop process-based and empirical quantitative models; run simulations; analyze outputs. * Integrate geohistorical, climatic, ecological, and evolutionary datasets. * Contribute to proposals and outreach; co-supervise students. * Support teaching: tutorials, exercises, specialized courses, exam grading.

Requirements:

* PhD in biology, ecology, macroecology, environmental sciences, geoinformatics, paleobiology, geoecology, evolutionary research, or related field. * Strong skills in computational modelling and data analysis; calibration, parameterization, simulation, and output evaluation. * Very good programming in at least one of R, Python, C++, Julia. * Record of peer-reviewed publications; excellent written and spoken English (German is an advantage, not required). * Conceptual, strategic, and analytical thinking; team spirit.

Offer: 100% E13 TV-G-U salary grade; flexible hours; LandesTicket Hessen for public transport. Interdisciplinary environment at C3S; support for early independence.

How to Apply: Email a single PDF (max 5 MB) including cover letter, CV, publication list, third-party funding info, short motivation on research and teaching interests, and contact details of two references.

To: application@c3s.uni-frankfurt.de Use CIB_2025_C3S in the subject, so that your application can be considered. Deadline: 12 Nov 2025

Contact: Prof. Dr. Oskar Hagen Computational Integrative Biodiversity (CIB), C3S Goethe University Frankfurt am Main application@c3s.uni-frankfurt.de

Notes: Do not send original documents; application costs are not reimbursed.

Prof. Dr. Oskar Hagen Professor for Mechanistic Modelling of Biodiversity and Ecosystems Goethe University Frankfurt (GU Frankfurt) Center for Critical Computational Studies (CÂ³S) Senckenberg Biodiversity and Climate Research Centre (SBiK-F) IKB-Gebäude, 2. Stock Eschersheimer Landstraße 121 60322 Frankfurt am Main www.hagen.bio "Hagen, Oskar" <hagen@c3s.uni-frankfurt.de>

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HongKong U Neuroethology

*Postdoctoral position in neuroethology and genomics of coral reef fish. *

Applications are invited for an appointment as Postdoctoral Fellow in Neurogenomics at the School of Biological Sciences at the University of Hong Kong (https://www.hku.hk/) and the SWIRE Institute of Marine Science (http://www.swims.hku.hk/), to commence as soon as possible, for 2-3 years in the lab led by Dr. Celia Schunter (https://www.schunterlab.com/).

We are seeking a postdoctoral researcher who will be involved in a collaborative research project spanning neurobiologists, molecular scientist and behavioural ecologists to work on the brain of the cleaner wrasse (*Labroides dimidiatus*).

Applicants should possess a Ph.D. in Neuroethology/Neurobiology*/*Molecular Ecology or similar. In this role you will be able to lead experiments, collect and analyze the data, mentor others, write and publish and be part of an international collaborative team. Large-scale, collaborative, international projects are already underway, ensuring a quick and productive start.

Required criteria: - Ph.D. in neuroethology/neurobiology/molecular biology (or related topics) - Good problem-solving skills - Willingness to work on interdisciplinary research

Desirable: - Knowledge of marine ecology, fish biology - Experience with imaging tools - Prior experience working with neural tissues - Proven ability to manage and coordinate collaborative projects

Interested candidates should send their CV, a cover letter summarizing research interests, professional experience, career goals and contact information for three references to Dr. Celia Schunter (schunter@hku.hk). Review of applications will begin immediately and continue until the position is filled.

Celia Schunter <celiaschunter@gmail.com>

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

INRAE France NematodePopulationGenomics

Dear colleagues,

We are looking for a highly motivated young postdoc to work on the population genomics of resistance-breaking tropical Root-Knot Nematodes as well as their range expansion following climate change.

The Model We will study virulent and avirulent populations of four root-knot nematode species, which belong to the most problematic nematode genus (Meloidogyne) regarding global agricultural production: Meloidogyne incognita, M. luci, M. javanica and M. arenaria

The four species are - polyploid : 3n for M. incognita & M. luci; 4n for M. arenaria and M. javanica - of hybrid origin with shared A and B subgenomes of unknown parents - fully parthenogenetic with no meiotic recombination and no out-crossing - with 45-50 tiny holocentromeric chromosomes and weird telomeres

The main goal is to identify short and long genomic variants associated with virulent populations in the four different species. These variants will serve as a starting material for development of virulence markers useful for early detection and deployment of appropriate control methods.

The candidate must: - be skilled in population genomics / genetics - own a PhD degree in a topic related to the project - the PhD diploma must have been delivered no more than 3 years ago

The position must start no later than the 1st of April 2026

More information available at: https://edanchin.org/-job-opportunities/postodc-pop-genomics/ Please do not hesitate to share.

Best regards Etienne Danchin

Etienne G.J. Danchin http://edanchin.org Genomics & Adaptive Molecular Evolution Institut Sophia Agrobiotech INRAE - Univ. Cï¿½te d'Azur - CNRS

400 route des Chappes, BP 167 06903 Sophia-Antipolis Cedex France

http://www.isa-game.fr/ Tel. +33 492 386 402

Etienne Danchin <etienne.danchin@inrae.fr>

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InstAgroRennes France PlantEvolutionaryEpidemiology

Postdoc position (Rennes, France)

Post-doctoral researcher in behavioral plant disease epidemiology and evolution

Behavioral epidemiology studies the interaction between human behavior and the spread of disease. A number of modeling studies helped understand how human behavior (in particular decision-making regarding disease control) can be influenced by epidemiological dynamics and, in turn, how behavior itself affects the spread of diseases. While plant diseases are among the main threats to global food security, there are few models linking crop grower behavior and plant disease epidemics.

In that context, the BEEP project (ANR 2024-2028 - Behavioral Epidemiology and Evolution of Plant Pathogens) aims to develop a theory of behavioral epidemiology specific to plant health, with an evolutionary perspective. The project explores the key mechanisms allowing the adoption, rejection and diffusion of control methods to maintain disease incidence under an acceptable level and maximize plant health in the long-run.

This postdoctoral position will contribute to developing a spatiotemporal theory for perennial crops, such as citrus trees. Specifically, we will use citrus greening disease, also known as Huanglongbing (HLB), as a case study. Growers' behaviors include disease surveillance and removing infected trees. These control methods may put evolutionary pressure on pathogens to become less detectable, potentially at the expense of becoming less transmissible. One key question is whether partial initial control by growers could enable pathogens to evolve and undermine a more widely adopted control policy in the event of an outbreak.

As a postdoctoral researcher, you will develop and analyze a model accounting for spatial heterogeneity among growers, including both small and large orchards, in the landscape. Depending on your skills and preferences, you can formulate the model as an ordinary differential equation (ODE)-based metapopulation system or a more detailed spatial stochastic model. In either case, the model must be based on sound mathematical principles, be interpretable in biological terms, and offer general insights into the control of evolving plant pathogens.

Keywords Plant pathogens, epidemiological modeling, spatial-temporal model, metapopulations, behavioral dynamics, socio-ecological dynamics, game theory, adaptive dynamics, evolutionary invasion analysis, trade-offs.

Activities — — - Design of spatial-temporal models applied to plant disease epidemics x behavior x pathogen evolution — — - Mathematical and theoretical analysis of simplified model dynamics — — - Numerical analysis of model dynamics, including code development (e.g., Python, Julia, R) — — - Writing scientific articles; participating in international conferences — — - Collaborative working with project partners (Rennes, Sophia Antipolis, Montpellier, UK, Germany)

Skills — — - PhD in theoretical evolutionary biology or mathematical ecology and familiar with evolutionary questions — — - Experience in dynamical systems analysis applied to population dynamics or epidemiology is required; knowledge on game theory is a plus; interest but not necessarily experience with spatial-temporal models is required; interest or experience with challenging models with data is a plus — — - Strong programming skills (e.g., Python, Julia, R) — — - Strong written and oral communication abilities, proficiency in English — — - Strong autonomy, taste for theory, and collaborative mindset

Conditions — — - Starting date: Fall 2025 (flexible) — — - Duration: 24 months — — - Location: Institut Agro, Rennes, France — — - Qualification: PhD in theoretical evolutionary biology or mathematical biology — — - Salary: 3100 euros/month (gross) — — - The position will be supervised by Frédéric Hamelin (Rennes, France), Virginie Ravigné (Montpellier, France) and Nik Cunniffe (Cambridge, UK). Close collaborations are expected locally with members of Hamelin's lab, and with other participants of the BEEP project. To apply

— — - please submit your CV and a motivation letter, detailing your previous research experience and professional goals, and contact information for 2 referees, to frederic.hamelin@institut-agro.fr before November 15th. Supervisors' Google Scholar pages

— — - Frédéric Hamelin: https://scholar.google.com/-citations?user=qdYPYeoAAAAJ&hl=fr&oi=ao — — - Virginie Ravigné: https://scholar.google.com/-citations?user=36NLzVYAAAAJ&hl=fr&oi=ao — — - Nik Cunniffe:

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KielU Germany FungiHorizontalChromosomeTransfer

At Kiel Universityï¿½in northern Germany, the following position will be available from 1 January 2026:

*Postdoc *(m/f/d)

as part of an ERC project. The position is initially limited to three years.

The aim of the project is to uncover the genetic basis of the *horizontal transfer of accessory chromosomes* between fungal strains and species.

Our recent work shows that transfers of entire chromosomes occur frequently, and in a chromosome-specific manner, within the genus /Metarhizium/, a group of entomopathogenic fungi widely used as biological control agents (see: https://www.pnas.org/doi/10.1073/-pnas.2316284121). We will leverage this high frequency to investigate the molecular mechanisms of horizontal chromosome transfer, a phenomenon also described in several important plant pathogens and therefore of broad relevance.

Further details can be found here: https://fungal-evolutionary-genetics.de/open-positions/

For more information, please contact Dr. Michael Habig (mhabig@bot.uni-kiel.de).

Dr. Michael Habig Kiel University Am Botanischen Garten 1-11 D-24118 Kiel Germany Tel.: +49 431 880 5116 https://fungal-evolutionary-genetics.de/

LundU EvolBiology TrinidadianGuppies

We are seeking a skilled and highly motivated postdoctoral researcher to become part of our research team. The preferred starting date is between 1 December 2025 and 1 February 2026, for a duration of two years.

We study how the environment affects contemporary evolution and its predictability, using laboratory and field data of Trinidadian guppies. Global change rapidly

alters species? environments, raising concerns about their ability to evolve fast enough to avoid extinction. Whether species will persist or disappear is often unclear as existing methods to predict contemporary evolution work poorly when applied to natural populations. Recent research suggests that environmental variability is an important reason why evolution in the wild is so difficult to predict.

We thus study how the environment affects estimates of heritability, mean fitness, and selection, and thereby potentially the predictability of trait evolution. To do so, we combine quantitative genetic experiments in a newly established, state-of-the-art fish research laboratory with analyses of long-term field data, using the wellknown Trinidadian guppy system. The environmental aspect we mainly manipulate in the laboratory is food availability, because changes in food availability are among the most widespread effects of anthropogenic change.

You will join Assistant Professor Anja Felmy?s research group at Lund University to work on projects that involve statistical and quantitative genetic analyses of both laboratory and field data. You will also be involved in data collection by conducting experiments in the fish laboratory. While the focus of the position must be aligned with the group?s scientific vision, the successful applicant will be able to influence his or her specific research questions.

The application deadline is 31 October 2025. Further information and instructions for applying can be found here: https://lu.varbi.com/en/what:job/jobID:865295/ If you have further questions on the project or position, please contact Dr. Anja Felmy at anja.felmy@biol.lu.se

Anja Felmy <anja.felmy@biol.lu.se>

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MaastrichtU EvolutionLadyBirdDefence

A postdoc is available on evolutionary aspects of chemical defence in ladybird beetles with Dr John Sloggett at Maastricht University in the Netherlands (j.sloggett@maastrichtuniversity.nl).

You can view the details at

https://vacancies.maastrichtuniversity.nl/job/-Maastricht-Postdoctoral-Researcher-in-Chemical-Ecology/1329272957/ Deadline is 2nd November!

Dr John J Sloggett

Associate Professor (UHD) Ecophysiology & Chemical Ecology Maastricht Science Programme

j.sloggett@maastrichtuniversity.nl

www.maastrichtuniversity.nl Visiting address: Paul-Henri Spaaklaan 1, 6229 EN Maastricht, The Netherlands

Mailing address: P.O. Box 616, 6200 MD Maastricht, The Netherlands

T +31 43 38 81 180

Please consider your environmental responsibility before printing this e-mail.

"Sloggett, John (MSP)" <j.sloggett@maastrichtuniversity.nl>

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MaxPlanck Ploen Two EvolBiology

The Max Planck Institute for Evolutionary Biology in Plön 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.

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POSTDOC POSITION 1 - EVOLUTIONARY GENOMICS

The research group "Biological Clocks" at the Max Planck Institute for Evolutionary Biology is working at the intersection of evolutionary biology, ecology and biological time-keeping. We have a set of >1000 genomes of the intertidal midge Clunio marinus (Diptera: Chironomidae). Recently, we have expanded our focus to the evolution, ecology and conservation of other species of the genus Clunio, as well as other chironomids.

In the context of these emerging new projects, we are looking for a: *Postdoctoral Fellow (m/f/d) in Evolutionary Genomics, Comparative Genomics and/or Conservation Genomics*

For details see: https://www.mpg.de/25524526/ —-

POSTDOC POSITION 2 - MOLECULAR BIOLOGY & CELL SIGNALLING

(in an evolutionary context)

The research group "Biological Clocks" at the Max Planck Institute for Evolutionary Biology aims to uncover the molecular basis of circalunar clocks. We use the intertidal midge Clunio marinus (Diptera) as a model organism and apply methods ranging from molecular biology and evolutionary genomics to behavioral experiments and ecological field work.

We are looking for a *Postdoctoral Fellow (m/f/d) to explore the role of cell signalling in the circalunar clock*

For details see: https://www.mpg.de/25524509/ For more information, please contact Dr. Tobias Kaiser (kaiser@evolbio.mpg.de).

Tobias Kaiser <kaiser@evolbio.mpg.de>

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MichiganStateU EvolutionaryBiology

The Ecology, Evolution, and Behavior (EEB) program at Michigan State University invites applications for a Postdoctoral Fellowship in Ecology, Evolution, and Behavior. The MSU EEB Presidential Postdoctoral Fellowship is a two-year position that includes a generous salary and research stipend. Fellows are fully participating members of EEB. They are expected to develop cutting-edge research programs and innovative community engagement initiatives, and will be mentored by two or more EEB core faculty members. A list of possible faculty mentors can be found here: https://eeb.msu.edu/-people/core-faculty.aspx. Candidates should contact potential faculty mentors before applying.

The position is two years, subject to review after one year, with an annual salary of $65,000 plus benefits, as well as a research stipend of $8,000 per year. Postdocs are expected to be based on MSU's campus and up to $1,000 of moving expenses may be reimbursed from the research stipend in the first year. We encourage applications from candidates in any early-career stage, from finishing PhD students to current postdoctoral scholars. International candidates are eligible. Applications are due November 10, 2025.

For more information on the MSU Foundation EEB Postdoctoral Fellowship, including detailed application instructions, please see https://eeb.msu.edu/initiatives/-postdoctoral-fellowship/index.aspx .Michigan State University is an Equal Opportunity/Affirmative Action employer. E-mail any questions to committee chair Dr. Kevin J. Liu (kjl@msu.edu).

"Liu, Kevin" <kjl@msu.edu>

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Netherlands GenomicsGastropods

Postdoc in Genomics and Pelagic Gastropods (2 years, fully funded)

Are you a motivated postdoc with *experience in evolutionary genomics* and an interest in advancing genomics for better understanding of key species and processes taking place in our ocean? Pelagic gastropods are some of the most abundant animals on our planet and are vulnerable to ocean acidification and warming. At the same time, the presence of a fossil record makes them well-suited for evolutionary and phylogenomic analyses (e.g. Peijnenburg et al. 2020 ?The origin and diversification of pteropods precede past perturbations in the Earth?s carbon cycle?).

Building up on a worldwide collection of samples and ample genomic and transcriptomic data present in the research group, there is great potential for valuable discoveries by taking our genomic research to the next level. We are looking for someone capable of spearheading this effort and, in this way, building their profile as an independent researcher. If you would like to discuss potential projects and research ideas, do not hesitate to contact Katja Peijnenburg (Katja.Peijnenburg@naturalis.nl).

Join the Marine Evolution & Ecology research group at Naturalis Biodiversity Center (Leiden, the Netherlands)! https://www.naturalis.nl/en/-science/marine-evolution-ecology More info: https:/-/www.naturalis.nl/en/about-us/job-opportunities/-postdoctoral-fellow-genomics-pelagic-gastropods apply by 20 November 2025

What you bring to the table You have a passion for using *your technical and analytical skills* to address important questions in evolutionary biology and/or marine science. You are proficient at *interdisciplinary communication* and able to explain your approaches and

the implications of your work to non-genomics experts. You are capable of conducting independent research, working in an organized manner, and structuring your approach effectively. At the same time, you know when to seek help when necessary. You enjoy collaborating with colleagues, supervisors, and external partners, and you actively maintain both your internal and external networks. You are skilled at identifying opportunities and engaging others with your ideas. Additionally, you can translate complex topics into compelling narratives, making them accessible even to those outside of the scientific community.

In addition, you have: - A completed PhD in evolutionary genomics, bioinformatics or a related field - Experience in generating and analyzing ?omics data, particularly in non-model species. - Strong bioinformatics expertise: e.g., genome assembly and/or phylogenomic analysis. - Solid grounding in evolutionary biology; familiarity with marine or invertebrate genomics is a plus. - A strong publication record representing innovative, high- quality research - Excellent English speaking and writing skills. - Experience in mentoring students or early-career researchers, or willingness to develop these skills.

About us Naturalis Biodiversity Center in Leiden is the Dutch national research institute for biodiversity and systematics. With our collection of 42 million specimens, one of the world's largest natural history collections, and our state-of-the-art research facilities we offer the (inter)national research infrastructure for species, identification and monitoring. We closely collaborate with many Dutch universities, research institutes, industry, and government. We host over 120 researchers including 15 academia embedded professors and 40 PhD students. We present the history of our planet, and the diversity of life on Earth, through permanent and temporary museum exhibitions, educational programmes, and online presence, with more than 400,000 visitors per year. All in all, a unique combination of science and culture in the Netherlands and elsewhere in the world!

The research department is organised in nine research groups comprising researchers and their postdocs and PhD-students. The current position will be in the research group Marine Evolution & Ecology, led by Katja Peijnenburg. Naturalis has a completely new lab building, including state-of-the-art molecular facilities, microCT scanners and electron microscopy. At Naturalis, you will be part of our PhD- and postdoc community a close-knit group of around 50 PhD candidates and postdocs with whom you can share experiences and participate in training sessions and workshops. And of course, for those interested, there are plenty of social activities outside of work as well.

We offer A contract (36 hours per week) for a period of two years, to be extended depending on available funding.

The starting date is preferably beginning of 2026 but this can be flexible. The successful candidate will be employed by Naturalis

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NortheasternU MarineSymbiosis

The Distel Laboratory at Northeastern University's Marine Science Center (Nahant, Massachusetts, USA) seeks a postdoctoral researcher to study the ecology, evolution, and cell biology of symbioses between wood-eating shipworms (family Teredinidae) and their intracellular bacterial endosymbionts.

Shipworms provide a powerful model for exploring symbiont acquisition and intracellular infection, as both hosts and symbionts can be cultured under controlled laboratory conditions. Their bacterial partners produce diverse carbohydrate-active enzymes (CAZymes) that degrade lignocellulose, and encode antimicrobial compounds that may structure and defend the symbiosis. The successful candidate will investigate host-symbiont interactions using microscopy, moleculargenetics, and metagenomic approaches.

Applicants should hold a Ph.D. in microbiology, molecular biology, marine biology, or related disciplines and demonstrate experience in microbial genomics, microscopy, or symbiosis research.

The position is initially for one year, renewable based on performance and funding, with a start date at or before January 2026.

For more information, orto apply, go to: https://northeastern.wd1.myworkdayjobs.com/en-US/careers/details/Postdoctoral-Research-Associate–Distel-Laboratory_R136498-1 Daniel L. Distel, PhD (He, Him, His) Director Ocean Genome Legacy Northeastern University Marine Science Center 430 Nahant Rd Nahant, MA 01908 (617) 373-2576 d.distel@northeastern.edu https://cos.northeastern.edu/people/dan-distel-2/ "Distel, Dan" <d.distel@northeastern.edu>

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RobertKochInst Germany Fellowships Phylogenomics phylodynamics

The Phylogenomics Group at the Center for Artificial Intelligence in Public Health of the Robert Koch Institute is looking for excellent candidates for a Humboldt Fellowship through the Henriette-Herz-Scouting program. Guidelines on the recommendation procedure can be found here: https://www.humboldt-foundation.de/fileadmin/Bewerben/Programme/-Henriette-Herz-Scouting-Programm/henriette-herz-scouting_en_guidelines_recommendation_procedure.pdf Beyond scientific excellence and a PhD in a relevant field, the requirement is to not have completed any research stays in Germany and to not have German citizenship. Within the area of phylogenomics/phylodynamics of infectious diseases, the research topic is open.

If interested, please contact me via email with your CV attached: kuehnertd@rki.de

For more details on the group see https://www.rki.de/-EN/Institute/Organisation/Departments/ZKI-PH/-ZKI-PH2/zki-ph2-phylogenomics-node.html "Kuehnert, Denise" <KuehnertD@rki.de>

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TexasStateU PDF PhD CnidarianEvol

PhD and Postdoctoral Opportunities in Ecological and Evolutionary Immunology

The Symbiommunity Lab (PI Lauren Fuess) at Texas State is recruiting candidates for two open PhD positions (fall 2026 admission) and one open postdoctoral position (start by August 2026). Our group studies the causes and consequences of immune variation, with a particular focus on the roles of symbiotic interactions. Most of our current funded work is focused on Cnidarians, but opportunities to work in other taxa may arise. To learn more about our research, visit our webpage: fuesslab.wp.txstate.edu. Texas State University is an emerging research university on track to reach R1 status in 2026. In expanding our research scope, the university has designated four key focus areas, one of which is water resources. This emphasis acknowledges the historic strength of the Biology Department in aquatic research. Furthermore, following recent hires, our department also has robust expertise in symbiosis biology and evolutionary ecology. Texas State is located in the beautiful Texas Hill Country, proximal to two major cities: Austin and San Antonio (both approximately 30 min drive).

PhD Positions- Admitted PhD students will work on projects related to ecological and evolutionary immunology, primarily in cnidarian systems. Students in the Symbiommunity Lab receive training in a range of integrative approaches including microscopy, biochemical assays, next generation sequencing (transcriptomics, genomics, single cell sequencing, etc), and physiology. Opportunities exist to work on several NSF funded projects (https://tinyurl.com/yzxyy4u2). Students will receive a competitive package consisting of 9 months guaranteed stipend at a rate of $3,512.85/month. Stipends will be provided for a minimum of 4 years for students with a MS degree, 5 years for those with a BS. Tuition support and summer salary are also provided through funded grants. Support packages are provided as a combination of departmental support (TAs) and external funding (RAs).

Postdoctoral Positions- The selected postdoctoral researcher's primary role will be to support a recently funded NSF project investigating the link between bleaching recovery and disease susceptibility in cnidarians (NSF Award 2440978). Opportunities will exist it contribute to other projects focused on understanding the roles of symbiotic interactions in driving variation in host immunity across scales. The postdoctoral researcher will be responsible for leading studies investigating the association between bleaching recovery and disease susceptibility in cnidarians. This project will involve experimental work with the Aiptasia model system including husbandry, experimental design, and bioinformatic and biochemical sample analysis. The primary project is laboratory based, though opportunities for field work related to other projects may arise. The postdoc will also have opportunities to collaborate on other ongoing projects involving diverse cnidarian systems. Mentorship is a key component of work in the Symbiommunity lab. The selected applicant will be expected to contribute to the mentoring of other students in the lab, including co-supervising undergraduate research projects. The postdoc position is available for

a minimum of two years, subject to annual performance review. This duration could be extended contingent upon funding.

For more information on both positions please visit our webpage at: https://fuesslab.wp.txstate.edu/-opportunities/. Full application instructions are found there. Application review will begin on November 1st and continue until suitable applicants are identified. Questions can be emailed to PI Lauren Fuess (lfuess@txstate.edu).

Dr. Lauren E. Fuess Assistant Professor Department of Biology

5307 Ingram Hall Texas State University San Marcos, TX 78666

lfuess@txstate.edu fuesslab.wp.txstate.edu

"Fuess, Lauren" <lfuess@txstate.edu>

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UArizona WildAnimalMicrobiomes

Subject: Postdocs:UArizona.WildAnimalMicrobiomes.

*Research Topics: Stress physiology, microbial ecology, microbiome, wild rodents, bioinformatics

*Location: Petrullo Lab Department of Ecology and Evolutionary Biology University of Arizona

*Description: The Petrullo Lab is hiring a postdoctoral researcher to join our NIH-funded study of the relationship between stress physiology and the gut microbiome in wild rodents.

The overarching goal of this project are to use field-based experimental manipulations in wild animals to elucidate connections between ecological stimuli of the host HPA axis (e.g., population density, food availability) and downstream changes in gut microbiome communities. Other goals include:

1) identify precise microbial traits that respond to activation of the host HPA axis, including changes in microbe-microbe interactions 2) investigate immune mechanisms mediating host-microbe responses 3) begin linking these mechanisms to host health and fitness outcomes

The postdoc will be involved in field work, wet lab work, bioinformatics, and other project management roles related to this work. The postdoc will also have the opportunity to develop their own independent research questions and projects using these and other data related to host-microbe interactions within an ecological and evolutionary context.

*Qualifications: - Ph.D. in Biology, Ecology or related field - Demonstrated record of publications in related areas - Prior fieldwork experience, especially working with small mammals, a plus - Research/professional experience with bioinformatic approaches relevant to microbiome analyses - Enthusiasm for joining a fast-growing and multi-disciplinary lab - Excellent leadership, communication, and collaborative skills

*Position: -Fully-funded by NIH -multi-year (3 year) possible position -Ideal start date is some time Spring 2026 (flexible)

*How to Apply: Please send your CV and a cover letter (including a brief description of relevant experience and research interests) to Lauren Petrullo (laurenpetrullo@arizona.edu)

*Deadline: Please apply by December 1st, 2025, for full consideration.

*Contact: Lauren Petrullo, Ph.D. Assistant Professor Department of Ecology & Evolutionary Biology University of Arizona https://www.laurenapetrullo.com laurenpetrullo@arizona.edu

"Petrullo, Lauren - (laurenpetrullo)" <laurenpetrullo@arizona.edu>

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UCalifornia Davis EvolutionaryVectorGenetics

MULTIPLE Postdoctoral Research Fellow Positions Parasite/Vector Genetics & Ecology University of California, Davis

The Vector Genetics Lab (VGL) at the University of California, Davis currently has three post-doctoral positions available for highly motivated candidates with a background in ecology, population genetics, genomics, or bioinformatics. The VGL focuses on problems in the fields of evolutionary genetics, ecology, and vector-borne disease control. See details at: https:/-/vectorgeneticslab.ucdavis.edu/ Ongoing projects: The VGL is currently engaged in a large project focused on the biology of malaria (parasites & vectors) at sites in

the Gulf of Guinea, West Africa. These include the islands of Annobón, Sāo Tomé, Príncipe, and Bioko, as well as coastal Equatorial Guinea. Current research centers on our collaboration with the University of California Malaria Initiative (UCMI) (stopmalaria.org). The overall goal of UCMI is to contribute to the elimination of malaria in Africa by using genetically engineered mosquito (GEM) vectors, and the VGL's role is to conduct field trials of these GEMs. This cutting-edge approach involves the release of GEMs with Plasmodium-resistant genes propagated by a CRISPR/Cas9 gene drive.

Subject areas: - Speciation, interspecific hybridization, and introgression - Island biogeography, landscape ecology, genetics, genomics, mathematical modeling - Evolution of natural and synthetic selfish genetic elements, including resistance to gene drive - Evolutionary genetics of parasites in the genus Plasmodium and mosquitoes in the genus Anopheles - Environmental impact and post-release monitoring of GM mosquitoes into Gulf of Guinea field sites - Assessment of fitness of GM mosquitoes in a field context.

Responsibilities: Successful candidates will work as members of a large team of fellow scientists and students. Each post-doctoral fellow is expected to take the lead in a scientific project in agreement with the PI. Collaboration, including sharing of time and expertise, is expected and mandatory. Mentoring at least one undergraduate research student each year is expected.

Required Qualifications: - Have recently received their Ph.D. in Ecology, Population Genetics/Genomics, Bioinformatics, or related discipline (theoretical and/or applied) - Demonstrated record of research productivity and publications - Available to participate in on-site field work in the Gulf of Guinea for minimum periods of one month - Excellent written and spoken communication skills

Preferred Qualifications: - Experience working in Linux/Unix environments - Experience with genomic, biodiversity, and/or biogeographic data analysis - Experience working with environmental DNA, ingested DNA and/or meta-barcoding - Experience with coalescence/IBD methods - Programming experience (e.g. C/C++, Python, Perl, R) and database experience (MySQL) - Strong mathematical/statistical skills - Spanish and/or Portuguese language skills

Position Information: Salary Range: $69,073-$82,835 contingent on candidate experience. Full Time Duration: Two years with the possibility of extension based on funding. Location: University of California, Davis, California USA Benefits Eligible including Medical, Dental, Vision, 401(k), etc.

How to apply: Applicants should submit the following materials: - A cover letter describing your research interests and why you are interested in this position - A curriculum vitae - Contact information for 3 referees

Send the above combined into a single PDF to VGL Administrator Christine Coleman at cmhandy@ucdavis.edu. Review of applications will start immediately. These positions will be open until filled. Appointments are for a duration of two years with the possibility of extension based on funding.

Applications not organized as described above will not be considered.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/-4000376/NondiscrimAffirmAct . Christine Handy Coleman <cmhandy@ucdavis.edu>

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UCalifornia Riverside EvolutionaryGenomics

TWO YEAR POSTDOCTORAL POSITION IN EVOLUTIONARY GENOMICS AT UNIVERSITY OF CALIFORNIA, RIVERSIDE

The Purcell lab at the University of California, Riverside is seeking a motivated Postdoctoral Fellow to lead research on the evolution of a supergene polymorphism shared across hundreds of ant species and 20 MY of evolutionary history. The focal supergene is associated with complex social traits, including variation in ant colony queen number, sex allocation, and queen size. Please check out some of our recent publications for more information:

https://scholar.google.com/citations?user=-JFmZEsIAAAAJ&hl=en&oi=ao We are also interested in investigating the evolution of chromosome structure, especially in regions with long-term recombination suppression. The successful candidate will be able to contribute to the analysis of a large, multi-species

genomic dataset (including short-read and long-read WGS, RADseq, and RNAseq) and to writing resulting scientific articles. Training is available, but prior experience with genetics, genomics, and bioinformatics is preferred. Applicants with prior research experience studying supergenes, inversions, sex chromosome evolution, and/or social arthropods are also preferred. Members of the research group and department are friendly and collaborative, and we are looking for a team member who will appreciate regular interactions with labmates and colleagues.

The ideal candidate will be able to: - Analyze genomic data on a high performance computing cluster - Interact and share their knowledge with graduate and undergraduate researchers - Identify new research avenues to pursue with available data and - Write scientific articles

The postdoctoral fellow would also have the opportunity, if desired, to participate in outreach and to formally mentor undergraduate researchers. The fellow would join an active, collegial institution with a vibrant community of evolutionary genomics researchers spanning multiple departments. If interested, please send a cover letter describing your prior experience, interests, and potential fit to the position along with your CV and contact information for two referees to Jessica at jpurcell@ucr.edu. Review of application materials will begin on November 3, 2025, but applications will be considered until the position is filled.

The preferred start date for this two year position is January 2026, but there may be some flexibility for the ideal candidate.

"jessica.purcell@ucr.edu" <jessica.purcell@ucr.edu>

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UFlorida OrganEvoDevo

Postdoc Position in Developmental and Evolutionary Genetics

Department of Molecular Genetics and Microbiology, University of Florida

Applications Due: 16th November 2025

A postdoc position is available in the Hopkins Lab at the University of Florida. The successful candidate will use computational and experimental approaches to study the architecture and evolution of gene circuits that underlie organ function and development in Drosophila and beyond.

We are an evolutionary and developmental genetics lab, broadly interested in the evolution of cell types and organs. Our work focuses on three sets of questions: how are cell types and their functions encoded in the genome; how does organ-level physiology emerge from the contributions of multiple specialised cell types; and what are the genetic mechanisms through which organs and cell types evolve? We employ a comparative, multi-species approach, with a particular focus on the genetically tractable Drosophilidae family and on rapidly evolving organ classes, such as sensory organs and the prostate-like secretory tissues of the reproductive system. Our work makes use of a wide range of computational and experimental approaches, including gene regulatory network inference, comparative genomics, genome editing, and single-cell 'omics.

Based in the University of Florida's Genetics Institute, our immediate lab neighbours have interests in evolutionary biology, comparative genomics, developmental biology, and functional genetics, opening up rich opportunities for interactions and collaboration with like-minded researchers.

Multiple years of funding are available from start up funds. The preferred start date for this position is Spring 2026, but there may be some flexibility for the ideal candidate.

For more information and instructions on how to apply, please visit the following link: tinyurl.com/vcsjpmzz

For enquiries, please contact Ben Hopkins (br.hopkins@ufl.edu).

Ben R. Hopkins, PhD Assistant Professor Department of Molecular Genetics and Microbiology University of Florida Gainesville, FL www.hopkins-lab.com "Hopkins, Ben" <br.hopkins@ufl.edu>

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UGoettingen ForestInsectEvolution

At the University of Göttingen -Public Law Foundation-, Abt. Forstentomologie der Fakultät für Forstwissenschaften und Waldökologie, there is a position as

Postdoctoral researcher (all genders welcome) Entgelt-

gruppe 13 TV-L/100% to be filled. Starting date is as soon as possible. The position is limited to 3 years with the possibility for an extension for another 3 years.

The newly established Department of Forest Entomology studies the ecology and evolution of forest-dwelling insects, focusing on species with ecological and economic impacts. We are particularly interested in insect interactions with their biotic and abiotic environment. We study insect responses to temperature, photoperiod and other factors, in order to understand seasonal adaptations (e.g., dormancy, diapause) and strategies to cope with extreme conditions (e.g., responses to heat or cold). We aim to understand how abiotic environmental conditions affect the performance and distribution of insects, and how this knowledge might be leveraged for sustainable forest management strategies in a changing climate. We also study associations of insects with players of different trophic levels. Particularly, we are interested in symbiotic interactions among insects, fungi, and bacteria but also with other organisms, and how the different players affect each other's performance. This information will help to understand how such symbioses impact the health of forest trees. We use molecular tools to infer the regulatory mechanisms of insect adaptations to their biotic and abiotic environment and to understand their evolutionary trajectories. We apply molecular approaches to study the genetic structure of various species and use these tools to unravel biodiversity patterns, aiming to sustain forest ecosystem services by considering environmentally-friendly approaches and protecting nature.

Your tasks

* Establish an independent research group focusing on the main research fields of the Department of Forest Entomology * Initiate collaborative research within the Department of Forest Entomology, both in the laboratory and the field * Publish results in international scientific journals and present them at conferences * Apply for third-party funding * Supervise the ecophysiology and molecular laboratories * Co-supervise Bachelor, Master, and PhD students * Contribute to teaching courses on the ecology and evolution of forest insects (4 contact hours/"Semesterwochenstunden")

Your profile

* Completed university degree (Master, Diploma) and PhD in biology, ecology, zoology, entomology, forestry, genetics or a related field (your PhD has to be completed by the start of the employment) * Research focus on insects, preferably with experience in 1-2 of the above mentioned research fields * Interest in experimental work in the laboratory and the field * Knowledge of molecular methods, statistics, and/or bioinformatics * Motivation and creativity reflected by a strong publication record * Teaching experience at university level * Communication skills; working independently and as part of an international team * Fluent written and spoken English (German skills are not mandatory) * Driver's license Class B

What we offer

* Work at a vibrant and diverse, newly established department with plenty of possibilities to collaborate across the faculty and university * Cutting-edge research on insects in forest ecosystems in a changing world * Cutting-edge ecophysiology and molecular laboratories * Become an independent group leader in a department with a strong publication record. Follow your own career path and develop your research profile (with the possibility to acquire the Venia legendi, i.e., habilitation/postdoctoral lecture qualification) * Flexible working hours and home office possibility * Extensive training opportunities as part of the university's qualification program and the faculty's postdoc network * A wide range of benefits (childcare options during school holidays, sports activities for university employees) as well as a company pension plan (VBL) and annual bonus in accordance with TV-L

With its almost 300-years old university, Göttingen is a vibrant German town with a vivid academic atmosphere. According to international rankings, the University of Göttingen is one of the leading universities in both Germany and Europe for Forest, Agricultural and Biological Sciences. The excellent environment with leading scientists in these fields provides a unique opportunity to pursue one's own research within a dynamic and interdisciplinary research environment.

Your application should include (in the following order, compiled in one pdf file): a cover letter, a letter of motivation (1 page), your research

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UGraz BehavEvol BroodParasitism

A full-time postdoc position is available in the Group of Molecular Ecology at the Institute of Biology of the University of Graz, Austria. The position is available

for 24 month starting January - February 2026. PI is Dr. Holger Zimmermann, in the lab of Prof. Kristina Sefc (https://biologie.uni-graz.at/en/institute-of-biology/-our-research/ag-molecular-ecology-kristina-sefc/).

We are looking for a highly motivated behavioral ecologist interested in reproductive behavior and physiology to work on a project investigating the adaptations to brood parasitism in the Lake Tanganyika cuckoo catfish. The cuckoo catfish is the only verified non-avian obligate brood parasite among vertebrates and exploits several species of maternally mouthbrooding cichlids in Lake Tanganyika for its reproduction. The project is particularly interested in the adaptations in colour and surface structure of cuckoo catfish eggs (project DOI: https//doi.org/10.55776/PAT1680024) and includes extended field work at Lake Tanganyika, Zambia, as well as lab-based experiments and analytical work.

Ideal candidates have experience in colour pigment biology (especially carotenoids), skills in microscopy (including TEM & REM), and are experienced in experimental work both in the lab and in the field. A basic SCUBA licence (allowing dives down to 20m) is a must to conduct the field work. Candidates should have experience in conducting field work independently, have a good foundation in data curation and analysis, and excellent writing skills.

The research team is based at the Institute of Biology at the University of Graz, Austria (https://biologie.uni-graz.at/en/institute-of-biology/). Graz is a beautiful mid-sized city in the south-east of Austria, which offers high standard yet affordable living, and offers lots of possibilities for outdoor and cultural activities.

To apply, please email a cover letter, summarizing your relevant experience, and your CV (including a list of publications) to holger.zimmermann@uni-graz.at. Applications are welcome from now on until November 15th, 2025. The starting date for the position is between January 1st and February 1st, 2026. Gross salary (before tax) is approx. 4,932 EURO per month (14 times a year).

If you have any questions or would like to have more information about the project, please contact me (holger.zimmermann@uni-graz.at).

"Zimmermann, Holger (holger.zimmermann@uni-graz.at)" <holger.zimmermann@uni-graz.at>

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UHawaii DrosophilaMicrobiota

Postdoctoral Research Position, Drosophila microbiota

The Jani lab at the Pacific Biosciences Research Center of the University of Hawai??i, M??noa, is recruiting a postdoctoral researcher to work on a project that aims to understand the stability and function of animal-associated microbiota when faced with pathogens and environmental perturbations. The project leverages both laboratory Drosophila melanogaster and wild Hawaiian Drosophila species to understand interactions between the microbiome and pathogens in the context of environmental stressors. The successful candidate will design and execute laboratory studies on the microbiota of Drosophila ; conduct bioinformatics and data analyses; expand the field aspect of the project. There are opportunities to expand the research based on the incumbent???s specific research interests as they align with the overall project objectives. To apply, go to the job listing on the U. Hawaii website. Email questions to jania-at-hawaii.edu.

Andrea Jani <jania@hawaii.edu>

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UHelsinki AdaptivePlasticity

The Karagic Research group at the Institute of Biotechnology in the University of Helsinki is looking for highly motivated Postdoctoral Researcher. The start date of the employment is early 2026 and the employment length is 3 years. More info at https://jobs.helsinki.fi/-job/Helsinki-Postdoctoral-Researcher-in-Evolutionary-Biology%2C-group-Karagic/1328581857/?feedId=-350602&utm_source=CareerSite_UniversityOfHelsinki

Summary of the project Adaptive phenotypic plasticity the ability of organisms to modify their traits in response to environmental change is central to evolutionary biology and conservation. This project combines experimental evolution, single-cell sequencing (scRNA-seq, scATAC-seq), and whole-genome resequencing to resolve the genetic, regulatory, and

transcriptional basis of adaptive plasticity and its evolution. The postdoc will take a leading role in, focusing on experimental evolution under novel and variable light environments, integrating multi-omics datasets, and investigating how adaptive plasticity evolves under different selective pressures. For more information, please visit Nidal Karagic's laboratory web page: https://www.adaptive-plasticity.com Research group descriptions Phenotypic plasticity, the ability of an organism to change its characteristics with changes in the environment, is an important mechanism by which populations can survive and flourish. Especially in our time, where human-induced environmental changes occur all around the globe, it is important to understand how populations can produce different characters from the same genetic code to deal with these environmental changes. Additionally, our understanding of how this ability evolved is still limited. Karagic's Research group's goal is to clarify 1) what are the mechanisms that allow populations to change (i.e., to show plasticity) and 2) how does this ability evolve? A common model for plasticity research, the Trinidadian guppy Poecilia reticulata, offers a great opportunity to resolve these questions, due to their proven ability to show plasticity in many traits.

About you - You have a PhD degree. - You have experience with bioinformatic analysis, behavioral and/or experimental evolution experiments. - You have experience handling and taking care of live fish. - You have demonstrated research experience in the field of evolutionary biology or visual ecology. - You are ambitious and motivated to tackle challenging problems. - You can work together in a team towards a common goal while pulling your share of the load.

What we offer - The salary is based on Collective Agreement for Finnish universities, and it is approximately 3 500 euro per month depending on candidates experience and merits. - A dynamic and international research environment at the Institute of Biotechnology, HiLIFE, University of Helsinki - Access to cutting-edge facilities in genomics, single-cell sequencing, and computational biology. - Mentorship and career development opportunities, including leadership training programs - Opportunities for international research exchanges with collaborators in the USA and Norway. - A three-year contract with the possibility of extension, starting in early 2026. - 5-7 weeks of paid holidays per academic year. - Occupational health care.

How to apply Please submit your application through the Universities portal at this link < https://jobs.helsinki.fi/job/Helsinki-Postdoctoral-Researcher-in-Evolutionary-Biology%2C-group-Karagic/1328581857/?feedId=350602&utm_source=-CareerSite_UniversityOfHelsinki >, which includes the following documents in English, as a single PDF file:

- cover letter - CV - PhD degree diploma

Applications are to be sent as a single PDF-file using the University's recruitment system via the button "Apply now" as soon as possible, but no later than 31st of October 2025. If you have any questions, feel free to reach out to Group Leader Nidal Karagic, nidal.karagic@helsinki.fi

About the University of Helsinki, the Helsinki Institute of Life Science and the Institute of Biotechnology

University of Helsinki is one of the world's leading universities for multidisciplinary research. Helsinki Institute of Life Science HiLIFE is an independent research institute that supports high-quality life science research across university campuses and faculties. Institute of Biotechnology BI, a part of HiLIFE, is an internationally renowned

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UHelsinki PDF PhD TreeEpigenomics

The Ord lab (Faculty of Biological and Environmental Sciences, University of Helsinki) is seeking to recruit a doctoral or postdoctoral researcher in forest tree epigenomics and adaptation. The doctoral position is funded for 3.5 years with possibility of extension to 4, while the postdoctoral position is funded for 2years initially with possibility of extension.

DNA methylation (DNAme), a component of the epigenome, comprises layer of heritable variation which may evolve more rapidly than the underlying DNA sequence and potentially underlies phenotypic adaptations. Adaptations mediated by DNAme may be particularly important in forest trees which, as long-lived, sedentary organisms, may encounter a wide variety of conditions across a single lifetime. Silver birch (Betula pendula) has a wide distribution range across Eurasia and Scandinavia, and yet populations are highly admixed with limited isolation-by-distance. It is therefore a promising candidate for studying the potential epigenomic basis of adaptation to local conditions. Specifically, the project

will use a combination of population (epi)genomic, association mapping and controlled experiments to test whether DNAme contributes to the control of leaf architecture and whether this variation is potentially adaptive in the context of drought.

The application deadline is 7thNovember 2025.

More information about the positions including how to apply can be found via the following link:

https://jobs.helsinki.fi/job/Helsinki-Doctoral-Researcher-or-Postdoctoral-Researcher-in-Epigenomics-of-forest-tree-adaptation/1328595057/
For informal enquiries, please contact James Ord (james.ord[at]helsinki.fi).

James Ord Centre of Excellence in Tree Biology Faculty of Environmental and Biological Science University of Helsinki Viikinkaari 1 00790 Helsinki

"Ord, James" <james.ord@helsinki.fi>

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UMichigan HerpetologyGenomics

Postdoctoral Researcher - Population Genomics, Speciation & Biodiversity of Lizards/Snakes

A postdoctoral position in population genomics of squamate reptiles is available in Dan Rabosky's lab at the University of Michigan, Ann Arbor. The postdoctoral researcher will analyze genomic datasets at the species and population levels for squamate reptiles (lizards and snakes) from Australia and/or the Neotropics. Research on this project may include, but is not limited to:

1. How ecological processes and organismal traits interact to influence the genetic structure of natural populations. 2. Ecological biogeography, speciation, and biodiversity of Australian arid-zone lizards, particularly skinks. 3. Patterns of hybridization across reptiles and their implications for speciation and regional community structure.

For applicants with interests in herpetology, the project provides an opportunity to engage in broad comparative studies across dozens of taxa, focusing on the world's most iconic hotspots for squamate biodiversity. The project also offers potential for collections- and field-based research on reptiles. The successful applicant will join a dynamic community of researchers affiliated with the U-M Museum of Zoology, home to one of the world's largest herpetological research collections.

The ideal candidate will have demonstrable experience in the generation and/or analysis of intra- or interspecific genomic datasets (e.g., target sequence capture, whole-genome sequencing, ddRAD). Strong bioinformatics and data management skills are essential. The project may involve genome assembly and integration of WGS datasets of varying coverage with existing ddRAD data. Candidates should have a solid understanding of the practical workflows involved in genomic data analysis from sample preparation and sequencing to variant calling and dataset curation. Familiarity with standard population-genetic and/or phylogenetic analyses is expected, along with the ability to manage routine challenges associated with processing low- to moderate-coverage WGS data for comparative or population-level inference.

We especially encourage applications from individuals with strong computational and quantitative skills who are eager to engage with the genomic and analytical aspects of the project, even if they have less direct experience generating genomic data.

Applications should be sent to Dan Rabosky (mailto: drabosky@umich.edu) and should include a cover letter describing research interests and future goals, a CV, and contact information for three references. Questions about the position can be directed to the same address. Review of applications will begin on **November 5, 2025**, and will continue until the position is filled. The position is available immediately, but the start date is negotiable.

Daniel L. Rabosky Professor and Curator Dept. of Ecology and Evolutionary Biology & Museum of Zoology University of Michigan Ann Arbor, Michigan Email: drabosky@umich.edu

Dan Rabosky <drabosky@umich.edu>

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UppsalaU Sweden EvolutionInsectAMR

We are seeking a postdoctoral researcher in Molecular Ecology for 2.5 years to join the program Animal Ecology at the Department of Ecology and Genetics, Uppsala University, Sweden. They will join the lab group

of Elin Videvall, who studies wildlife microbiomes, and also work closely with Frank Johansson, who studies aquatic invertebrates. The project involves collaboration with Richard Svanbäck and Katerina Guschanski. The host department is located adjacent to the facilities of the Swedish national resource for genome sequencing (https://www.scilifelab.se/) and has access to bioinformatic tools and computational resources through UPPMAX (https://www.uppmax.uu.se/).

Project description The postdoc will lead the project "Invertebrates as vectors of antimicrobial resistance genes in urban landscapes". The overall aim is to provide insights into the role of invertebrates (Chironomidae: non-biting midges) in the spread and dynamics of antimicrobial resistance (AMR) from wastewater treatment plants. We will use a unique combination of field surveys and laboratory experiments. Fieldwork will document the spatial patterns of AMR in urban environments, while controlled laboratory experiments will help elucidate the mechanisms and processes of AMR transmission across food webs. The majority of the work will involve metagenomic analyses and laboratory experiments on chironomids.

Duties Duties include assembly and binning of metagenome-assembled genomes (MAGs) from shotgun metagenomic data, perform taxonomic assignment and identify plasmids and antimicrobial resistance genes. The analyses consist of applying multivariate statistical methods. In addition, the postdoctoral researcher will design and conduct controlled laboratory experiments on chironomids and other aquatic insects to study the transfer of AMR across individuals, generations, and species. This part of the work involves rearing of aquatic invertebrates collected from the field, maintaining factorial experimental setups, and analyzing AMR transmission in these invertebrates using agar plate assays.

Qualifications desired Ph.D. degree or a foreign degree equivalent required. We are looking for a highly motivated, independent, and proficient researcher to drive the project forward. The ideal candidate is a collaborative team player with a strong interest in microbial transmission in animals (horizontally and vertically). They should have experience in one or several of the abovementioned tasks, and demonstrated proficiency in academic English writing and publishing in peer-reviewed journals. The candidate should ideally have experience in the analysis of metagenomic shotgun data. Familiarity with metagenome-assembled genome (MAG) reconstruction and antimicrobial resistance (AMR) gene identification is highly desirable. Strong skills in scripting languages (e.g., Python, R, or Bash) and experience working in Unix/Linux environments are advantageous. Experience in laboratory culturing of aquatic invertebrates and in conducting controlled life-cycle and/or factorial laboratory experiments will be considered an asset. Experience with agar plate assays is also desirable.

About the employment Temporary position for 30 months. Starting date 2026-02-01 or as agreed (flexible). Location: Uppsala.

Please submit your application by 05 December 2025. Full details at: https://www.uu.se/en/about-uu/join-us/jobs-and-vacancies/job-details?query=867654 For questions about the position, please contact Dr. Elin Videvall, elin.videvall@ebc.uu.se or Prof. Frank Johansson, frank.johansson@ebc.uu.se.

< https://www.videvall.com/ >

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 Elin Videvall <elin.videvall@ebc.uu.se>

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UppsalaU TreeComparativeGenomics

Dear all,

Together with Martin Lascoux, we are offering a two-year postdoctoral position in comparative genomics and demography inferences in fruit trees at the Evolutionary Biology Centre, Uppsala University, Sweden. The postdoc position is part of the FruitDiv EU-Horizon project. The postdoctoral fellow will analyse whole genome data from wild relatives of cultivated fruit species (CWR). The sampling is paneuropean and will allow comparisons with recent studies in forest trees (Milesi et al., 2024). Special attention will also be paid to the importance of introgression between CWR and cultivated species. Please share this advertisement with anyone you think might be interested.

For more information and to apply:

https://www.uu.se/en/about-uu/join-us/jobs-and-vacancies/job-details?query=867093 All the best,

Pascal and Martin

Pascal Milesi Associate Professor, SciLifeLab Group Leader Docent in Evolutionary Functional Genomics

Plant Ecology and Evolution program Department of Ecology and Genetics, Uppsala University Norbyvï¿½gen 18D 752 36 UPPSALA Sweden

+46 (0) 7 69 31 25 89

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 att lï¿½sa mer om hur vi gï¿½r det kan du lï¿½sa hï¿½r: 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 Pascal Milesi <pascal.milesi@scilifelab.uu.se>

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UVienna GenomeTopologyCephalopod

Postdoc position at the University of Vienna: Genome topology dynamics in cephalopod development and evolution

A postdoc position is available at the Department for Neurosciences and Developmental Biology at the University of Vienna in the group of Oleg Simakov (https://-/neurodevbio.univie.ac.at/simakov-research/). The group's long-standing interests center around comparative genomics of animals and, more recently, emergence of evolutionarily irreversible genomic configurations and their role in shaping animal regulatory genome architectures (summarized here https://link.springer.com/-article/10.1186/s13227-025-00242-w).

The postdoc position is funded by a WEAVE grant with Eve Seuntjens (KU Leuven) and Simon Sprecher (U Fribourg) and will be strongly embedded into the collaborative network of the three labs with the other members of the international teams in Belgium and Switzerland. The project will study changes in regulatory landscape during neuronal development across several cephalopod species. Particular emphasis will be on the generation of comparative tissue and single-cell HiC datasets for these species, and computational comparisons. For current work from the lab in this area, please see this preprint: https://www.biorxiv.org/content/10.1101/-2025.08.29.672809v1 . Previous experience with HiC or similar techniques is strongly desired.

Interested applicants should send their CV and letters of recommendation directly to Oleg Simakov (oleg.simakov@univie.ac.at) and Nina Znidaric (nina.znidaric@univie.ac.at) mentioning "PDWEAVE" in the subject. Monthly salary grades for postdocs (including social and health insurance) are found at https://www.fwf.ac.at/en/funding/steps-to-your-fwf-project/further-information/personnel-costs . Location of work will be at the University Biology Building and Vienna Zoo in Vienna (Austria).

Oleg Simakov <oleg.simakov@univie.ac.at>

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UWisconsin Madison OriginsOfLife

The Wisconsin Center for Origins Research (WiCOR) seeks a postdoctoral fellow to participate in Center research in any discipline related to our two main research questions: 1. How do habitable planets form? 2. How does life emerge on habitable planets? WiCOR is a multidisciplinary research center at the University of Wisconsin-Madison with six member departments and faculty and research staff from across 12 campus units. Join our team as the first WiCOR postdoctoral fellow and become a part of this exciting and impactful work.

The successful Candidate will have a PhD in any scientific field related to WiCOR research (including, but not limited to, astronomy, biology, chemistry, botany, geology, planetary science, and atmospheric and oceanic sciences), will have received a PhDwithin five years of the appointment start date, and will have no more than 3 years of previous postdoctoral experience. Candidates should submit a CV, a publication list, a 2 page summary of previous research, and a list of 3 potential letter writers who can be contacted to submit letters of recommendation. Candidates should also submit a statement of research interests (3 pages maximum) that describes their research plans and how their research relates to at least one of the six WiCOR research themes (see www.wicor.wisc.edu for more information). In this statement candidates should list at least two WiCOR members with whom they would be interested in collaborating and describe a plan for these collaborations.

This position is a one year onsite position renewable for a second year by mutual agreement. The deadline for application is November 15, 2025. A start date of September 1, 2026 is anticipated, but this date can be negotiated.

All application materials should be sent as a single PDF to wicor@wisc.edu.

Sincerely,

Susanna

Susanna L. Widicus Weaver Vozza Professor of Chemistry and Astronomy University of Wisconsin-Madison 1101 University Avenue Madison, WI 53706 Office: 6219 Chamberlin Hall Office Phone: 608-262-5060

David Baum <dbaum@wisc.edu>

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UWyoming HummingbirdEvolutionGenomics

Postdoctoral Research Associate - Evolution, genomics, eco-physiology, ornithology, bioinformatics, Andean hummingbirds

*Location: Williamson Lab Department of Zoology & Physiology University of Wyoming

*Description: The Williamson Lab at the University of Wyoming invites applications for a highly qualified and motivated Postdoctoral Research Scholar to lead genomic and transcriptomic data analysis for an NSF-funded project on the eco-physiological mechanisms of adaptation in mountain hummingbirds. The successful candidate will analyze whole genome and RNAseq datasets to examine population structure, genome-environment associations, differential gene expression, and genomic offset, and will use results to generate predictive models. The position involves analyzing existing data, leading publications, collecting and curating new data in the lab and field, and applying and expanding existing analytical tools in population and conservation genomics, as well as assisting with mentorship of graduate and undergraduate students. In addition to working on questions of interest to the lab, the postdoc will also have the flexibility to develop independent research projects using our integrative and growing datasets, while collaborating with an engaged research group.

Postdoc flyer: https://drive.google.com/file/d/-133ZJUYKmUFNDrNtbFwkyZJcq-Y4zwTdN/view

*Minimum Qualifications: - Ph.D. (by appointment start date) in biology, ecology and evolution, physiology, wildlife biology, or related field - Published manuscripts (or papers in review) demonstrating proficiency in analyzing genomic and transcriptomic data, or similar.

*Desired Qualifications: - Experience in the application of bioinformatics methods, population genomic analyses, and/or genotype-environment analyses - Coding experience - Wet lab experience - Strong written and oral communication skills - Experience and demonstrated ability to effectively work independently and within a team - Effective time management skills, clear organization, and prioritization of time-sensitive tasks

*Position: - Two-year appointment, fully funded by NSF - $65,500/year salary - University of Wyoming benefits - Conference and travel support - Ideal start date is early Spring 2026

*How to Apply: Applications should be submitted through the University of Wyoming: https://-tinyurl.com/williamsonpostdoc . To apply, complete the online application and upload the following in a single pdf file: - A cover letter detailing why you are interested in the position, with relevant qualifications - A current CV with contact information for three references - At least one representative publication demonstrating analysis of genomic and/or transcriptomic data

*Deadline: The position will remain open until filled. Complete applications received by November 1st, 2025 will receive full consideration.

*Contact for questions: Jessie Williamson, Ph.D. Assistant Professor Department of Zoology & Physiology University of Wyoming https://www.jessiewilliamson.com jessie.williamson@uwyo.edu

Jessie Williamson <jessie.williamson@uwyo.edu>

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VirginiaStateU BioluminescentFungalOmics

Postdoctoral Associate or Research Assistant Professor Position: Comparative -Omics of Bioluminescent Fungi

Dr. Xianfa Xie's Lab at the Center for Biotechnology, Genomics, and Bioinformatics (CeBiGeBi) and the De-

partment of Biology at Virginia State University invites applications for a postdoctoral or research assistant professor position in carrying out a U.S. NSF-funded project to study the comparative genomics, epigenomics, transcriptomics, proteomics, and metabolomics of bioluminescent fungi. The Xie Lab and the CeBiGeBi, of which Dr. Xie is the Founding Director, employ innovative approaches to study scientifically interesting questions that are also of importance to fundamental understanding of the natural world and/or practical relevance to human society. With affiliated faculty members from biology, chemistry, agriculture, mathematics, and computer science, the CeBiGeBi particularly emphasizes interdisciplinary research and creating synergy among researchers from different departments and colleges across the campus. We are looking for a creative, skillful, and dedicated scientist to fill this position. The fungal comparative -omics project involves collaborations with researchers both within and outside the U.S. But there may be opportunities to contribute to other research projects in the lab and at the Center as well, including microbiome and cancer -omic studies, and collaborate with other research universities in the region.

Minimum qualifications:

1. An earned Ph.D. degree in any field of biological sciences (including genomics and bioinformatics), bioengineering, or computer science;

2. Extensive and successful research experience in genomic and transcriptomic data generation and analysis, including using short-read (Illumina) and long-read (Nanopore/PacBio) sequencing technologies, genome assembly and annotations, and comparative genomic and transcriptomic analyses;

3. Strong quantitative and computational skills in Python, R, and bioinformatics platforms;

4. Excellent written and oral communications skills, particularly for scientific writing and presentations;

5. Ability to work both independently and in a teamsetting with great interpersonal skills.

Preferred qualifications:

1. Successful experience with epigenomic, proteomic, and metabolomic data generation and analysis, as well as biochemical analysis;

2. Working experience with fungi and field study skills;

3. Knowledge and skills in machine learning or artificial intelligence;

4. Prior experience in mentoring graduate and undergraduate students for research in a diverse environment.

The position is available now and renewable for up to three years until the project ends. But it is preferred that the successful candidate is eligible and will be able to work in the U.S. at any time.

The starting salary will be up to $65,000 per year, with full benefits (including medical, dental, and vision insurances, social security benefits, etc.) provided. The University is conveniently located in Central Virginia, with only two hours of drive to Virginia Beach (and less than three hours to the Outer Banks), Shenandoah National Park, the North Carolina Research Triangle, and Washington DC. The area also offers mild weather (but still enjoyable four seasons), affordable living, a rich history, great cultural events like the annual "Richmond Folk Festival", many music/artistic venues, good restaurants, and a lot of places for hiking, biking, kayaking, tubing, skating, and not too far away skiing in the Appalachian mountains.

The reviewing process starts now and will continue until a suitable candidate is identified. If interested, please send the following documents via email to xxie@vsu.edu at your earliest convenience:

1. A cover letter to explain why you are interested in this position with a summary of your qualifications, as well as any additional information you would like us to know;

2. An updated curriculum vitae (C.V.);

3. Contact information for three professional references.

Any question or inquiry please also send to the above email.

Thanks!

Xianfa Xie, Ph.D.

Director, Center for Biotechnology, Genomics, and Bioinformatics

Associate Professor, Department of Biology

Virginia State University

xiexianfa@gmail.com

WesternAustralianMuseum MolecularSystematist

Molecular Systematist, Western Australian Museum

We are looking for a Molecular Systematist for a project on carabid beetles of the Pilbara region of Western Australia. We seek someone with experience in phylogenomics and laboratory techniques, who works in the area of biodiversity (e.g. phylogenetics, biogeography, speciation research). Experience in entomology is welcome but not necessary. There is substantial scope for this person to develop the project into research areas of personal interest if it includes carabids and phylogenetics.

This is a 3-year position, based at the Western Australian Museum, in Perth. This project is in collaboration with Kip Will (University of California, Berkeley) and Renee Catullo (University of Western Australia). Project funding covers genomics, fieldwork, and a research assistant to manage the collection.

This position includes 4 weeks paid annual leave and 2 weeks sick/carers leave, plus 12% superannuation (a retirement account, which foreign nationals may withdraw in some circumstances when leaving Australia - see ato.gov.au).

For details please visit https://search.jobs.wa.gov.au/-page.php?pageID=160&windowUID=0&AdvertID=-392581 For additional information please contact Nik Tatarnic at nikolai.tatarnic@museum.wa.gov.au

Nikolai Tatarnic Terrestrial Invertebrates Curator

Collections and Research Centre 49 Kew Street, Welshpool Perth / Boorloo, WA 6106

Postal address: Locked Bag 49, Welshpool DC WA 6986

P. 08 9212 3791 museum.wa.gov.au

Join us @wamuseum

The WA Museum values sustainability. Please consider the environment beforeprinting this email.

Nikolai Tatarnic <nikolai.tatarnic@museum.wa.gov.au>

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WorkshopsCourses

FUBerlin ProgrammingForEvolBiology Feb17-Mar6

Course on Programming for Evolutionary Biology

When: 2026 February 17th - March 6th 2026

Location: Berlin, Germany

Application deadline: first come first serve (we still have a few remaining seats)

Detailed information about the course content and how to apply: http://evop.bioinf.uni-leipzig.de/ Founded in 2012, our well established course is back with novel content! In this intensive 16 days course, students will learn how to survive in a Linux environment, get hands-on experience in two widely used programming languages (Python and R), and statistical data analysis. The classes will be given by experts in the field and consist of lectures and exercises with the computer. The aim of the course is to provide the students with the necessary background and skills to perform computational analyses with a focus on solving research questions related to genomics and evolution. The philosophy of the course will be "learning by doing", which means that the computational skills will be taught using examples and real data from evolutionary biology for the exercises. During the course, students will also propose projects of their own interest and perform them as final projects in small groups under the supervision of a teaching assistant. This course is open for students from all countries and targeted toward PhD students and postdocs of evolutionary biology or related research fields with no or little programming experience who want to become proficient in computational evolutionary biology in a couple of weeks.

The course takes place at the Free University of Berlin. For any questions related to the course, please send an email to: evop@bioinf.uni-leipzig.de

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

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Online AnalysisDNAMethylation Oct27

Hi everyone

Instats is excited to offer a 1-day seminar, Analysis of DNA Methylation 2.0, livestreaming on 27 October and led by Dr Aline Muyle from the Institute of Evolutionary Science of Montpellier (ISEM). With next-generation sequencing now enabling nucleotide-level, genome-wide insight even in non-model organisms, this workshop empowers researchers to tackle whole-genome bisulfite sequencing (WGBS) and long-read datasets from PacBio and Oxford Nanopore. Dr Muyle will guide you through end-to-end bioinformatic workflows she employs in her own research covering quality control, alignment, methylation calling, differential methylation analysis, haplotype-specific inference, and links to gene expression and natural selection while providing all scripts and example data so you can immediately adapt methods to your own projects. Designed for PhD students, faculty, and professional scientists in ecology and evolution, the course blends concise lectures with hands-on coding sessions to deliver both conceptual understanding and practical skills that translate directly to publication-ready results.

https://instats.org/seminar/analysis-of-dna-methylation-20 Sign up today to secure your spot, and please share with colleagues who might benefit!

Best wishes

Michael Zyphur Professor and Director Institute for Statistical and Data Science https://instats.org Michael Zyphur <mzyphur@instats.org>

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Online AnalysisOfDNAMethylation Oct27-29

Dear all,

I would like to share information about an online workshop on DNA methylation and its bioinformatic analysis, which will take place from October 27 to 29, 2025 (afternoons). The course will cover both short-read (BS-seq) and long-read (ONT and PacBio) approaches, combining theoretical lectures with hands-on practical sessions. This workshop will provide an overview of current research questions and the main analysis pipelines used in the field. It is particularly suitable for PhD students and postdocs who wish to acquire or strengthen their bioinformatics skills in DNA methylation data analysis. More information and registration: https://instats.org/-seminar/analysis-of-dna-methylation-20 Please feel free to contact me if you have any questions.

Best regards,

Aline Muyle CNRS researcher Ãquipe Stratégies Reproductives des Plantes (SRP) Bâtiment 22, Institut des Sciences de l'Ãvolution de Montpellier (ISEM) Université de Montpellier, campus Triolet, cc065 34095 Montpellier cedex 05 France ISEM Webpage < https:/-/isem-evolution.fr/en/membre/muyle/ > Researchgate < https://www.researchgate.net/profile/Aline_Muyle > Linkedin < https://www.linkedin.com/in/aline-muyle-07157170/ >

Aline Muyle <aline.muyle@cnrs.fr>

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Online BayesianStats Jan14-Apr22

Dear evoldir community,

Spots are still available for Modern Statistical Thinking for Biologists, running online from 14 January till 22 April. The course follows the principle that statistics is not merely applied maths: it is a distinct way of thinking about the world. And it is best learned through honing our logical thinking skills and our intuitions about data, rather than through rote memorisation of tests or through excessive mathematical detail. The course therefore has no prerequisites in terms of maths skills.

Importantly, we will approach statistics through the Bayesian framework. Even though Bayesian methods are used throughout biology, they are particularly prevalent in ecology and evolutionary biology. This is because this framework is particularly well adapted to the noisy and complex data sets routinely produced in these fields. It is sometimes also considered to be more intuitive for beginners. The course is therefore open both to those who are beginners in any kind of statistics, as well as those who already have a background in frequentist methods and would like to learn about the Bayesian perspective specifically.

The course is composed of weekly Zoom sessions with lots of interaction and lots of group work in breakout rooms. The concepts learned are immediately applied to real data sets from the biological sciences. There are also weekly assignments, to which the participants receive individual written feedback each time. Towards the end of the course, the students will have the opportunity to put what they have learned to the test in two projects: one on data provided by the instructor and another on each participant's own data.

The course takes on 15 participants on a first-come-first-served basis. For registration and for more information, see here:

https://www.mondegoscience.com/courses/modern-statistical-thinking-for-biologists If you have any questions, don't hesitate to drop me a line on-rosina@mondegoscience.com.

Have a lovely week,

Rosina.

Rosina Savisaar <rosinasavisaar@gmail.com>

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Online BEAST2Bayesian Phylogenies

Dear colleagues,

You can now register for the Transmitting Science' course "Bayesian phylogenetic inference with BEAST2". Limited spots.

Registration and more information: https://-www.transmittingscience.com/courses/evolution/-bayesian-phylogenetic-inference-with-beast2/ Instructors: Dr. Joï¿½lle Barido-Sottani [1] (Ecole Normale Supï¿½rieure de Paris, France) and Dr. Bethany Allen [2] (ETH Zurich, Switzerland)

Course Overview:

Bayesian phylogenetic inference is a powerful tool for reconstructing phylogenies while accounting for complex evolutionary dynamics. It allows prior knowledge to be integrated into the inference, and also provides a detailed picture of the uncertainty present in the dataset. However, the number and complexity of the available models and options can be daunting for users, and can make it difficult to apply inference tools effectively in practice.

In this workshop, participants will learn the theoretical concepts underlying the different models involved in Bayesian phylogenetic inference, and get hands-on experience using these models in BEAST2. Particular attention will be given to more complex tree models, such as the fossilized birth-death model used to integrate past information into phylogenies, as well as rate-heterogeneous models which allow for variations in evolutionary dynamics across clades. Finally, the course will give practical information on setting up and troubleshooting analyses in BEAST2.

Best wishes

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 Links:

[1] https://www.transmittingscience.com/-instructors/joelle-barido-sottani/ [2] https:/-/www.transmittingscience.com/instructors/-bethany-allen/ Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

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Online EnvironmentalMetagenomics Oct13-17

Dear all,

there are only a few seats remaining for the Physalia online course on Environmental Metagenomics!

Dates: 13-17 October (9 am -1 PM Berlin time)

Course website: (https://www.physalia-courses.org/-courses-workshops/environmental-metagenomics/)

This hands-on course will guide you through state-of-the-art bioinformatic approaches for analysing microbial communities, from read-based taxonomic profiling to genome-resolved metagenomics (MAGs), using both short- (Illumina) and long-read (Nanopore) sequencing data.

By completing this course, attendees will: - Understand the basics of metagenomic sequencing and bioinformatic approaches for the analysis of metagenomic data - Be able to plan and execute a metagenomic sequencing project - Have an up-to-date knowledge on the bioinformatic tools and best practices for the analysis of metagenomes - Be able to choose the right tools and approaches to answer your specific research question - Have confidence to learn new methods needed to answer your research question

For the full list of our courses and workshop, please visit: (https://www.physalia-courses.org/courses-workshops/-environmental-metagenomics/)

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 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 viruses, worms, Trojan horses and/or any other harmful computer program, and it corresponds to the recipient to have the necessary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

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Online GenomicDataVisualisation Dec15-17

Dear all,

Data visualisation is at the heart of modern genomics from expression analysis to comparative genomics.

Join our online course "Genomic Data Visualisation with R" (15-17 December) to learn how to create impactful and publication-ready visualisations using R.

Over three intensive days, participants will explore:

1 - Expression plots (volcano, PCA, peak profiling, heatmaps)

2 - Genome-level visualisations (coverage, Manhattan, metagenomics, time-series)

3 - Comparative genomics plots (phylogenetic trees,

Venn and UpSet diagrams, synteny, ideograms)

Learn more and register here: (https://www.physalia-courses.org/courses-workshops/genomic-data-viz/)

This course is ideal for researchers already familiar with R who want to enhance their ability to turn genomic data into clear, informative, and visually engaging figures.

For the full list of our courses and workshops, please have a look at: (https://www.physalia-courses.org/-courses-workshops/genomic-data-viz/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

(https://www.linkedin.com/in/physalia-courses-a64418127/)

“info@physalia-courses.org” <info@physalia-courses.org>

Online GWAS Jan26-30

Dear all,

We’re pleased to announce the online 7th edition of the Physalia online course “Introduction to Genome-Wide Association Studies (GWAS)”, taking place from 26-30 January 2026.

Course website: (https://www.physalia-courses.org/-courses-workshops/course49/)

This course will guide participants through the entire GWAS workflow - from study design and data preparation to statistical analysis, interpretation, and pipeline automation. Through a combination of lectures and hands-on sessions, participants will gain the practical skills needed to confidently perform and interpret GWAS analyses on their own datasets.

Whether you’re new to GWAS or looking to refine your analytical workflow, this course offers a comprehensive, interactive, and applied learning experience led by experienced instructors.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course49/)

Best regards, Carlo

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Online IntroAnalysisProteomics Feb9-13

Introduction to Processing and Analysis of Spatial Multiplexed Proteomics Data (SPMP01) https://-www.prstats.org/course/introduction-to-processing-and-analysis-of-spatial-multiplexed-proteomics-data-spmp01/ Dates:9-13 February 2026 Format:Live online, 5 days Ã- 5.5 hours per day Fee:450 (standard) | 400 (early bird, first 5 spots) Time zone:UK (GMT+1); all sessions are recorded and made available for 30 days

Why This Course Matters Spatial multiplexed proteomics techniques such as CODEX, CycIF, and MxIF/MACSIMA are revolutionising how we understand tissue microenvironments, cellular interactions, and spatial heterogeneity in biological systems. However, converting raw multiplexed imaging data into actionable biological insight requires expertise in image processing, spatial statistics, phenotyping, and bioinformatics pipelines. SPMP01bridges that gap. Over five intensive days, you will learn both the theoretical foundations and the hands-on computational skills needed to process, analyse, and interpret spatial multiplexed proteomics data. Whether your work lies in basic biology, cancer immunology, neuroscience, or spatial systems biology, this course equips you to handle complex image-based proteomics datasets.

What You’ll Learn Participants will move from foundational concepts to applied workflows across these core topics:

Overview and comparison of spatial multiplexed imaging platforms (CODEX, CycIF, MxIF / MACSIMA)

Image processing workflows: tile stitching, illumination correction, alignment, and region-of-interest generation

Handling multi-resolution image formats (e.g., .tif, .ome.tif, .ome.zarr), and visualization strategies

Single-cell segmentation: algorithms (e.g. Cellpose,

Stardist, Mesmer), mask QC, and error diagnostics

Feature extraction and cell phenotyping (marker intensity gating, clustering, annotation)

Spatial neighbourhood and cell-cell interaction analysis: quantifying local and global neighbourhood statistics

Batch processing and scalable workflows (using Nextflow pipelines such as MCMICRO)

Best practices for reproducibility, data storage, workflow modularity, and integration with R/Python pipelines

Through guided coding sessions and worked examples, you will apply these methods to real multiplexed imaging datasets and gain experience interpreting spatial proteomics results.

Format & Support

Each day blends lectures, demonstrations, and hands-on practical work

Participants are encouraged to bring their own data for discussion (time permitting)

All course materials, scripts, and datasets are shared with attendees

Livestream sessions are recorded and made available the same day

Post-course email support is offered for 30 days to assist with implementation and troubleshooting

Who Should Attend This course is aimed at researchers, computational biologists, bioinformaticians, and technical scientists who work with or plan to work with spatial omics and proteomics imaging data. Prior experience with R or Python is advantageous. Basic knowledge of statistics and familiarity with image data (microscopy) will help, but are not strict prerequisites. A comfortable level of computing literacy (e.g. command line use) is expected.

Instructors Dr Victor Perez Meza an expert in fluorescence microscopy, image artefact correction, and multiplexed imaging workflows MSc Miguel Angel Ibarra Arellano specialist in reproducible bioimage analysis, neighbourhood spatial statistics, and spatial omics tools Their combined experience ensures a mix of methodological insight and practical, cutting-edge implementation.

Who Will Benefit (Use Cases) Participants in SPMP01 will be better equipped to:

Process and clean raw multiplexed imaging datasets

Segment individual cells reliably and assess segmentation quality

Assign cell phenotypes and derive per-cell morphological or marker statistics

Quantify spatial relationships and neighbourhood structure in tissue

Develop reproducible pipelines for spatial proteomics workflows

Integrate processed spatial data into downstream statistical or machine learning analyses

In fields such as cancer microenvironment analysis, immunology, neuroscience, and developmental biology, these capabilities are invaluable for linking cellular spatial patterns to functional and phenotypic insights.

Registration & Details Spaces are limited to ensure a high-quality interactive experience. The early bird rate (400) is available to the first five registrants. Standard registration is 450. Visit the course page for full schedule, registration, and further details: SPMP01 - Introduction to Processing and Analysis of Spatial Multiplexed Proteomics Data

Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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

Online ManualGenomeCuration Nov24-28

Dear all,

We are excited to announce the second edition of our Manual Genome Curation using PretextView course, held online from 24-28 November, in collaboration with the Wellcome Sanger Institute.

Course website: (https://www.physalia-courses.org/-courses-workshops/genome-curation/)

This hands-on course introduces biologists and bioinformaticians to the principles and practice of manual genome curation, including:

Interpreting Hi-C heatmaps to identify and fix assembly errors

Generating curated genome FASTA files using the Rapid Curation pipeline

Handling challenging genomes, including microchromosomes, high heterozygosity, and sex chromosomes Participants will gain practical experience using PretextView,

understand the steps necessary to deliver high-quality chromosome assemblies, and explore additional tools for effective genome curation.

If you are interested in Genome Assembly using PacBio data, please have a look: (https://www.physalia-courses.org/courses-workshops/pacbio/)

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

Best regards,Carlo

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Online MicrobiomeAnalysis Feb2-6

Dear all,

Registration is now open for the online course "Orchestrating Microbiome Analysis with R and Bioconductor", held from 2-6 February 2026.

Course website: (https://www.physalia-courses.org/-courses-workshops/microbiomebioconductor/)

This five-day course introduces participants to microbiome data analysis using R/Bioconductor. Through lectures and hands-on exercises, participants will learn how to import, process, and analyse microbiome datasets, explore diversity patterns, perform differential abundance analyses, and integrate multi-omics data using freely available tools.

The course is designed for attendees with prior experience in R.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo

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Online PopulationGenomics Oct20-23

Dear all,

Only a few seats remain for the upcoming Physalia online course "Population Genomic Inference from low-coverage Whole-Genome Sequencing data" (20-23 October).

Course website:https://www.physalia-courses.org/-courses-workshops/course64/ This hands-on course will guide participants through the concepts, workflows, and tools (including ANGSD and related software) for analysing low-coverage genomic data from raw reads to population structure, demographic inference, and selection analyses.

If you work with population, evolutionary, or medical genomics data, this is your last chance to join us and gain practical experience in probabilistic approaches for low-coverage data analysis.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards,

Carlo

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

Online RADseqUsingStacks Oct27-31

Dear all,

We would like to announce that only a few seats remain

available for upcoming Physalia online course: RAD-Seq Data Analysis.

Dates: 27-31 October

Course. website: (https://www.physalia-courses.org/-courses-workshops/course16/)

This five-day course will provide both conceptual background and hands-on training using Stacks for the analysis of Reduced representation genome sequencing data (RAD-seq, ddRAD, 2bRAD, GBS, etc.). We will cover the entire workflow: from data preprocessing and quality assessment, to loci assembly (de novo and reference-based), marker selection, and applications in population genetics, association studies, and phylogenetics.

The course combines lectures, discussions, and practical coding sessions, with ample opportunity to discuss and work on your own data.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course63/)

Best regards, Carlo

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Online scRNAseq Nov17-21

Dear all,

Don't miss your chance to join our "Single-cell RNA-seq Analysis with R/Bioconductor" course taking place online from 17-21 November.

Course website: (https://www.physalia-courses.org/-courses-workshops/course18/)

This hands-on workshop will take you from raw single-cell data to powerful biological insights. You'll learn to perform quality control, normalization, clustering, batch correction, and trajectory inference, and more, all using R and Bioconductor.

For the full list of our courses and workshops, please have a look at: (https://www.physalia-courses.org/-courses-workshops/course18/)

Best regards, Carlo

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Online TransposableElements Nov3-7

Dear all,

There are only a few seats left for the upcoming Physalia online course "Bioinformatic Analysis of Transposable Elements" taking place 3-7 November.

Course website: (https://www.physalia-courses.org/-courses-workshops/course24/)

This 5-day hands-on course covers the full spectrum of transposable element (TE) analysis, including:

TE discovery and annotation

TE classification and manual curation

TE insertion polymorphism analysis

Differential expression and functional genomics of TEs The course combines short lectures with extensive practical sessions, allowing participants to work on real datasets and discuss their own projects.

This course is designed for biologists at any career stage interested in TE analysis and de-novo annotation of repetitive elements in non-model genomes.

For the full list of our courses and workshops, have a look at: (https://www.physalia-courses.org/courses-workshops/course24/)

Best regards, Carlo

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Online WikiPlantBiodiversity Oct13-14

Kia ora!

Please join us for a "Wiki for Botanists", a free one-hour online introductory session on Tuesday 14 October 3pm New Zealand Standard Time (i.e. 4am Hamburg, 10am Perth, and 1pm Sydney, which is Monday 13 October 7pm Los Angeles, 9pm Chicago, 10pm New York).

The workshop will be run by biodiversity Wikipedians Siobhan Leachman and Heidi Meudt. Our aim will be to convince attendees how impactful engagement with the Wikiverse is, giving a brief introduction to Wikipedia, Wikidata and Wikimedia Commons.

Our focus will be on topics relevant to plant biodiversity, especially botanists, collectors, taxa, specimens, scientific publications, and research, but the online introductory workshop will be open and relevant to all scientists, researchers, students, retirees and biodiversity enthusiasts, so please spread the word to your networks. During this session, we will also assist those who do not yet have Wikipedia usernames to create them.

For more details, please visit this page:

https://en.wikipedia.org/wiki/Wikipedia:Meetup/-Online/Introductory_Wiki_webinar_14_October_2025
The virtual online introductory workshop is open to all who are interested, but registration is required! Please register to get the Zoom link here: https://tepapa.zoom.us/meeting/register/-_g4sKy2KTYGMIhtNIAxGeA#/ Ngâ mihi, nâ Heidi Heidi Meudt(she/her) KairauhÃ Mâtai Tipu| Curator Botany Museum of New Zealand Te Papa Tongarewa PO Box 467, Cable St Wellington 6140, New Zealand M+64 21 733 403 |Eheidim@tepapa.govt.nz blogs|ORCID| Bionomia | Google Scholar Wikimedia (Stitchbird2) |Wikidata (Q21394578) iNaturalist |

Te Papa Natural History

Heidi Meudt <HeidiM@tepapa.govt.nz>

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UAutonomaMadrid Spain EvoDevo Dec15-19

Dear all,

We invite you to attend the course New Technologies for Developmental Evolutionary Biology Studies (3rd edition), which will take place December 15th-19th 2025 at Universidad Autï¿½noma de Madrid, Spain. This link < https://sites.google.com/view/-evodevo2025/home > provides all the information about the course, which is partially sponsored by the Centro de Investigaciï¿½n en Biodiversidad y Cambio Global (CIBC-UAM < https://www.uam.es/uam/cibc >), the Sociedad Espaï¿½ola de Biologï¿½a Evolutiva (SESBE < https://sesbe.org/ >) and the Departamento de Biologï¿½a < https://www.uam.es/ciencias/facultad/-departamentos/biologia > (UAM).

This course, with a strong theoretical foundation and an intense practical component, aims to update students' knowledge in evolutionary developmental biology and stimulate their creativity, expanding the range of techniques to be used in their research projects.

Topics covered:

* comparative transcriptomics * single cell transcriptomics * bulk transcriptomics * spatial transcriptomics * ATAC-seq technique * phylogenomics * comparative genomics * gene regulation * plastic phenotypes * evolutionary novelties

Eligibility and application process

Candidates must send an email to the following address, ecoevodevo.cibc@gmail.com, indicating their name, position, and their home institution. In addition, they should attach a letter of motivation to attend the course, by november 15th. Students will be selected based on their motivations and interests. Admitted students will be informed on november 17th. The acceptance email will provide the necessary instructions for registration and payment of fees.

Important Program Dates:

application opens: october 20th, 2025 application due: november 15th, 2025 decisions sent: november 17th, 2025 early registration: november 24th, 2025 late registration: november 30th, 2024 program begins: december 15th, 2024

Course Fees: CIBC members:

* early registration: 200 euros (before november 24th) * late registration: 230 euros

non-CIBC members:

* early registration: 230 euros (before november 24th) * late registration: 260 euros

The Spanish Society for Evolutionary Biology (SESBE < https://sesbe.org/ser-miembro/ >) will fund the registration of five participants who are members of the society (become a member here) < https://sesbe.org/-ser-miembro/ >.

All the information for the course is avalable at: https:/-/sites.google.com/view/evodevo2025/home Kind regards,

The organizers: Cristina Grande, Patricia ï¿½lvarez-Campos, David Foronda y David Buckley

David Buckley Dpto. Biologï¿½a (Genï¿½tica) y Centro de Investigaciï¿½n en Biodiversidad y Cambio Global (CIBC-UAM) Universidad Autï¿½noma de Madrid (UAM) c/ Darwin 2, 28049-Madrid, Spain

https://www.researchgate.net/profile/David_Buckley4 https://scholar.google.com/citations?hl=en&user=-qEFTmfkAAAAJ David Buckley Iglesias <david.buckley@uam.es>

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UPretoria ConGen PopGenomics Dec7-16

Population Genomics Data Analysis Course & Workshop (register now as few places are left!)

Themes: Population Genomics, Molecular Ecology, Conservation Genetics. Next Gen Sequencing Data & key computational approaches.

Instructors include experts: Eric Anderson, Ellie Armstrong, Paulette Bloomer, Jessica Da Silva, Paul Hohenlohe, Marty Kardos, Brenna Forester, Chris Funk, Paul Grobler, Will Hemstrom, Gordon Luikart, Monica Mwale, Rena Schweizer, Robin Waples, Paulette Bloomer, Sandi Willows-Munroe, and more.

When: December 7 - 12, 2025. Plus an optional December 13 - 16 field trip to Kruger National Park

Where: University of Pretoria, South Africa (https://-www.up.ac.za/).

Details and registration: see https://www.umt.edu/-congen/africa/ Course Objective: To teach conceptual and practical aspects of data analysis to understand the evolutionary and ecological genomics of natural and managed populations. Emphasis is on next-generation sequence data analysis and interpretation of output from important statistical approaches, software, and bioinformatic pipelines. You???ll learn crucial steps of filtering (Hemstrom et al. 2024, Nature GR). Sessions allow hands-on analyses of your data with instructors.

Who should apply: Advanced Undergrads, M.S. & Ph.D. students, post-docs, PIs (agency biologists), and faculty??? who have some understanding of population genetics & ecology.

BEFORE the course: Tutorials are given on Zoom before the course to help you learn Linux & R. Links to video recordings of past ConGen lectures. A field trip to amazing Kruger National Park is the 4 days after the course.

Publication: We will likely publish together a meeting review (as below) to help advance the field and improve your ability to publish. Schweizer et al. 2021: doi.org/10.1093/jhered/esab019; Stahlke et al. 2020: doi.org/10.1093/jhered/esaa001; Hendricks et al. 2018: doi.org/10.1111/eva.12659

Leif Howard Research Assistant Flathead Lake Biological Station

“Howard, Leif” <leif.howard@flbs.umt.edu>

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UPretoria Genomics Dec7-12

Genomics Data Analysis Course & Workshop

Themes: Population Genomics, Conservation Genetics, and Molecular Ecology. Understanding Population Structure, Ne, Gene Flow, Selection, and Environmental Influences on Genomic Variation - using Next Gen Sequencing Data & key computational approaches. Includes RADseq, genome sequencing & assembly, pylogenomics & SNP typing from raw reads to genotypes and many analyses to prepare you for future genomics data analyses. When: December 7 - 12, 2025. Plus optional December 13 -16 field trip to Kruger National Park

Where: University of Pretoria, South Africa (https://-www.up.ac.za/).

Details and registration: see https://www.umt.edu/congen/africa/ Who should apply: Advanced Undergrads, M.S. & Ph.D. students, post-docs, PIs (agency biologists), and faculty who have understanding of population genetics & population ecology, R and Linux (see below).

BEFORE the course: Tutorials are given on Zoom 3-4 weeks before the course to help you learn Linux & R. Links to video recordings of past ConGen lectures. A field trip to amazing Kruger National Park is the 4 days after the course to learn wildlife and habitat ecology, and local research.

"Luikart, Gordon" <gordon.luikart@mso.umt.edu>

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Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to me at Golding@McMaster.CA. In addition, if it originates from 'blackballed' addresses it will be sent to me at Golding@McMaster.CA. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

To be removed from the EvolDir mailing list please send an email message to Golding@McMaster.CA. Note that 'on vacation', etc, style messages are automatically filtered and should not be transmitted to the list (I hope), but should you wish to avoid the e-mail's your code can be temporarily changed to 000000.

To send messages to the EvolDir direct them to the email evoldir@evol.biology.McMaster.CA. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. . . . plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be send to me at Golding@McMaster.CA and processed later. In either case, please do not expect an instant response.

Afterword

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LaTeX do not try to embed LaTeX or TeX in your message (or other formats) since my program will strip these from the message.