E v o l D i r

October 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

Brisbane MarineBiology Nov25-28

Dear all,

The Countdown is On!

The 3rd West Pacific Marine Biology Symposium, co-hosted by CNRS and the University of Queensland, is just around the corner!

Early bird registration closes 30 September 2025! Don't miss your chance to be part of this world-class gathering of marine biologists.

CLICK HERE TO REGISTER < https://-westpacificmarinebiology.network/wpmbn/meetings/-3rd-wpmbn/registration/ >

25-28 November 2025

The University of Queensland, Brisbane, Australia

Symposium Themes, including, but not limited to:

* Molecular, cellular, microbial biology * Developmental biology * Genomics and other omics * Holobionts and microbiomes * Eco-evo-devo * Organismal & cellular communication * Organismal & cellular behaviour * Sensory systems * Biochemistry including biogeochemistry * Ecophysiology

Join leading researchers, connect with peers, and be part of the conversations shaping the future of marine biology.

We welcome researchers at all career stages to join a vibrant, collaborative community. Optional field trips to Heron Island and Moreton Bay research stations offer added opportunities for exploration. More details found [HERE < https://westpacificmarinebiology.network/-wpmbn/meetings/3rd-wpmbn/pre-and-post-trips/ >]

We look forward to welcoming you to Brisbane!

On behalf of the Organising Committee 3rd West Pacific Marine Biology Symposium https:/-/westpacificmarinebiology.network/wpmbn/meetings/-3rd-wpmbn/ Enquiries: marine-events@uq.edu.au

marine-events@uq.edu.au

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Cambridge BiodiversityGenomics Oct27-29 Deadline

Registration deadline for in-person attendance is fast approaching (Monday 29th September) for our conference "Understanding Life: Using Large-scale Biodiversity Reference Genomes" to be held on 27th-29th October at the Wellcome Genome Campus, near Cambridge, UK.

More information on the conference can be found here: www.bit.ly/4j3vAZ9 This conference aims to bring to-

gether researchers interested in large-scale genomics to understand the magnificent biodiversity on our planet. It will be of interest if you work on generating sequence data, developing methods or tools for genome processing, or use genomics to understand mechanisms of evolution.

This conference will have both in-person and virtual attendance.

Registration deadline (In-person): 29 September Registration deadline (Virtual): 20 October Scientific sessions will include: - Genome evolution - Symbiosis genomics - Genomics of speciation - Ecological genomics

There will also be several workshops lead by specialists in the fields bringing together working groups and consortia associated with biodiversity reference genomes: - AI and annotation - Sequencing the holobiont - how to disentangle species - Curation of assemblies - Advances in Genomic Technologies - Project Psyche Showcase - Bat1K showcase - Aquatic symbiosis genomics - Let's be FAIR: using pipelines in genomics research - Population genomics and conservation

Keynote speakers: Ute Hentschel Humeida - GEOMAR Helmholtz Centre for Ocean Research, Germany Arnau Sebé-Pedrós - Centre for Genomic Regulation, Spain

Confirmed session speakers: Aoife McLysaght - Trinity College Dublin, Ireland Niklas Wahlberg - Lund University, Sweden Claire Mérot - University of Rennes, France Mike Sweet - University of Derby, UK

Hope to see you in Cambridge next month!

Peter Mulhair, on behalf of the Organising Committee peter.mulhair@liverpool.ac.uk

"Mulhair, Peter" <Peter.Mulhair@liverpool.ac.uk>

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Copenhagen SMBE2026 Jun28-Jul2

Dear colleagues,

On behalf of the organising committee, we are happy to announce that the Call for Symposia, for the Society for Molecular Biology and Evolution (SMBE) 2026 Annual Meeting is now open.

The meeting will take place in Copenhagen, Denmark, from June 28th to July 2nd, and we look forward to welcoming researchers from around the world for an inspiring scientific programme.

We warmly invite you to submit a symposium proposal and help shape the scientific content of SMBE 2026.

Key dates

* Call for symposia: Open September 1, 2025 * Call for symposia: Close October 15, 2025 * Announcement of accepted symposia: November 3, 2025

For further details, including submission guidelines, please visit the conference website:https://-smbe2026.org/symposia/ We look forward to receiving your proposals and to welcoming you to Copenhagen in 2026!

Best regards,

Tom Gilbert

Professor, University of Copenhagen Conference Chair SMBE 2026 Organizing Committee

Tom Gilbert <tgilbert@sund.ku.dk>

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Copenhagen SMBE CallSymposia DeadlineOct15

Society for Molecular Biology and Evolution

Dear SMBE Members,

We are happy to announce that the Call for Symposia for the Society for Molecular Biology and Evolution (SMBE) 2026 Annual Meeting is now open.

The meeting will take place here in Copenhagen, Denmark, from June 28th to July 2nd, and we look forward to welcoming researchers from around the world for an inspiring scientific programme.

We warmly invite you to submit a symposium proposal and help shape the scientific content of SMBE 2026.

Key dates

Call for symposia: Open September 1, 2025Call for symposia: Close October 15, 2025Announcement of accepted symposia: November 3, 2025

For further details, including submission guidelines, please visit the conference website:

https://smbe2026.org/symposia/ We look forward to receiving your proposals and to welcoming you to Copenhagen in 2026!

Best regards,

Tom Gilbert Chair, SMBE 2026 Organizing Committee

Society for Molecular Biology and Evolution +1.785.289.2056 smbe@am.kwglobal.com https://www.smbe.org/smbe/ https://bsky.app/profile/official-smbe.bsky.social This email was sent on behalf of Society for Molecular Biology and Evolution located at 301 Concourse Boulevard, Suite 210,Glen Allen,VA23059. To unsubscribe click here. If you have questions or comments concerning this email contact Society for Molecular Biology and Evolution at smbe@am.kwglobal.com.

Society for Molecular Biology and Evolution <smbe@am.kwglobal.com>

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Freiburg Germany EvolSocialInsects Aug16-20

Dear Colleagues,

We are pleased to inform you that the abstract submission is open for the 20th International Congress of the International Union for the Study of Social Insects (IUSSI), which will be held in Freiburg, Germany, from 16 to 20 August 2026.

This congress is a premier gathering for researchers and scholars focused on the study of social insects, including ants, bees, wasps, and termites. It offers a unique opportunity to share the latest research, foster interdisciplinary collaborations, and engage with leading experts in the field.

Deadlines: - Abstract submission for posters and talks: 31 December 2025 - Early bird registration: 15 February 2026

For more information on symposia, travel, and the scientific program, please visit the official conference website: https://iussi2026.org/ We encourage you to mark your calendars and plan to join us for this exciting event. We look forward to welcoming you to Freiburg in 2026!

Best regards, The IUSSI 2026 organizing committee

Volker Nehring <volker.nehring@biologie.uni-freiburg.de>

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Kunming 4thAsiaEvo AnimalAppendageEvoDevo Dec8-11

Title: Kunming 4thAsiaEvo AnimalAppendageEvoDevo Dec8-11

The 4th AsiaEvo Conference is to be held at Kunming, China from December 8th-11th: https://2025asiaevoconf.casconf.cn/page/-1871808601803329537 The confirmed keynote speakers include Profs. Mark Stoneking, Michael Lynch, Min Zhu, Scott Edwards, Shigeru Kuratani and more: https://2025asiaevoconf.casconf.cn/page/-1876555451991199744 I am organising a symposium with my student Wen Kang 'The Evolution and Development of Animal Appendages' with three invited speakers: Cheng-Ming Chuong from USC, Xing Xu from IVPP, Chinese Academy of Sciences and Antonia Monteiro from NUS

Appendages represent one of the most extraordinary examples of evolutionary innovation, underpinning the adaptive diversification of animals across disparate ecological niches. From the emergence of paired fins in jawed vertebrates to the remarkable morphological radiation of tetrapod limbs, arthropod appendages, and integumentary structures such as scales and feathers, appendages have played a pivotal role in shaping animal form and function. This symposium integrates paleontology, classical evolutionary developmental biology (evo-devo), and cutting-edge genomic and cellular approaches to unravel the mechanisms underlying appendage origin, development, and evolution.Modern evo-devo research has redefined appendages as dynamic secondary body axes characterized by distinct proximo-distal patterning mechanisms. This expanded framework encompasses not only classical limbs but also genital structures, tails, and even "virtual appendages" like butterfly eyespots. Despite their vast morphological diversity, appendages share deeply conserved developmental pathways, including HOX, Hedgehog, BMP, and WNT signalings, that have been repeatedly co-opted and modified throughout evolution. Also, key evolutionary transitions, such as the fin to limb transition in vertebrates, the scale to feather transformation in avian ancestors, and the modification of arthropod appendages into specialized structures like insect wings and beetle horns, provide critical insights into how developmental constraints and

innovations drive evolutionary change.Overall, this symposium aims to offer deep insights into the developmental and evolutionary mechanisms in different types of appendages and ultimately advance the understanding of life's morphological innovations.

Please submit your abstracts of oral or poster presentation to the session, look forward to see you in Kunming, the 'spring city' this winter.

Qi Zhou zhouqi1982@zju.edu.cn qizhoulab.org

Zhejiang University

Zhou Qi <zhouqi1982@zju.edu.cn>

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London UK OrganismalResilience Nov20

Note the extended deadline for registration and abstract submission

Dear all,

Join us at the Linnean Society in London for a hybrid (in-person and online) one-day symposium focused on the mechanisms and consequences of variation in organismal resilience.

The mechanisms that allow organisms to both buffer system function from perturbation, and dynamically respond to change are the foundation of organismal resilience. Understanding these mechanisms and how they evolve is one the most pressing challenges in modern biology. Meeting this challenge will require perspectives that span all levels of biological organization, from genes to populations to ecosystems, and collaboration and integration across many different biological disciplines. Organisms are the nexus that unites lower-level genetic, cellular, and physiological processes that underlie resilience to concepts of resilience at the population, community, and ecosystem levels. Why are some individuals and taxa more resilient than others? And how does individual and species-level variation in resilience relate to the resilience of populations, communities, and entire ecosystems? This symposium will address these and related questions to advance our understanding of organismal resilience, and its potential to buffer organisms from environmental change.

This is a hybrid day meeting, offering the option of both in-person tickets or online attendance.

Confirmed speakers: Patricia Schulte (University of British Columbia, Canada) Christopher Wheat (Stockholm University, Sweden) Rose Thorogood (University of Helsinki, Finland) Luis-Miguel Chevin (Centre d'Ecologie Fonctionnelle et Evolutive, CNRS Montpellier, France) Maren Vitousek (Cornell University, USA) Shane Campbell-Staton (Princeton University, USA) Glenn Yannic (Université Savoie Mont Blanc & Laboratoire d'Ecologie Alpine, France) Chloe Haberkorn (Stockholm University, Sweden)

We will host a poster session, and short talks (˜15 minutes) will also be selected from submitted abstracts, with an emphasis on early-career researchers. These short talks can be presented remotely for online attendees. If you would like to contribute a poster or submit an abstract for consideration for a short talk, please submit a title and abstract (max 200 words), with lead author affiliation and career stage, to evojlinnsoc@linnean.org by 17.00 (BST) Tuesday 30 September 2025.

Date: 20 November 2025

Venue: Linnean Society of London, Piccadilly London W1J 0BF, United Kingdom

Registration and abstract submission deadline: 30 September 2025

Further details and registration information can be found here: https://members.linnean.org/-events/6862a9bfe5e1810008367c26/description
General questions can be directed to Zac Cheviron (zac.cheviron@umt.edu).

This event is supported by Oxford University Press and the Company of Biologists.

Hope to see you in London, Zac Cheviron and Karen Sears (organizers)

ZACHARY CHEVIRON

PROFESSOR DIVISION OF BIOLOGICAL SCIENCES ECOLOGY AND EVOLUTION WILDLIFE BIOLOGY PROGRAM

FACULTY DIRECTOR PHILIP L. WRIGHT ZOOLOGICAL MUSEUM

Interdisciplinary Science Building 317 | Missoula MT ph: 406-243-4496 | web: chevironlab.org | e: zac.cheviron@umt.edu

U N I V E R S I T Y O F M O N T A N A

- The University of Montana acknowledges that we are in the aboriginal territories of the Salish and Kalispel people. We honor the path they have always shown us in caring for this place for the generations to come.

zac.cheviron@mso.umt.edu

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Montpellier Primates Jun29-Jul3

[EFP 2026] Call for Symposia Now Open

Dear colleagues,

We are pleased to invite proposals for symposia to be included in the scientific programme of the 11th European Federation for Primatology (EFP) Conference, which will take place in Montpellier, Southern France (29th June - 3rd July 2026).

We welcome symposia that address timely and innovative topics in primatology and related disciplines, bringing together researchers to spark discussion, collaboration, and new ideas. This is your opportunity to shape the scientific programme and highlight cutting-edge research in the field.

To submit your proposal, please complete this Google form < https://docs.google.com/forms/d/e/1FAIpQLSc8ytiPw2RH3wXtX9S7HtvTfie_pQiYj0aLWjgpkI1mpzF5Q/viewform?usp=header >. All submissions will be reviewed by the Scientific Committee, and selected symposia will be included in the final conference programme.

Key dates:

- Submission deadline for symposia: 17th November 2025

- Notification of acceptance: January 2026

For more information about EFP 2026, please visit our conference website < https://www.alphavisa.com/efp/2026/ > and follow us on Bluesky (@efp2026.bsky.social < https://bsky.app/profile/efp2026.bsky.social >).

For your information, abstract submission will open on Monday, 17 November 2025. You may join the EFP 2026 mailing list by clicking on this link < https://docs.google.com/forms/d/e/1FAIpQLSc1VJl2T7LdeQAvGET-gkQQzn1d4x_6wfaV7X0kH2_KB–ywg/viewform?usp=header > and providing your contact e-mail address.

Thank you for your contribution, and we look forward to your proposals!

Warm regards,

Alice Baniel, Marie Charpentier, and Elise Huchard (on behalf of the Organising Committee)

Alice Baniel <alice.baniel@gmail.com>

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Online AnimalBehaviour Nov13-14

Dear Colleagues,

We are *Animal Behaviour Live*, an international online platform dedicated to promoting **sustainable, inclusive, and accessible scientific events**, fully streamed on YouTube.

We are excited to announce that the **sixth edition** of our **Annual Online Conference** will take place on **13-14 November 2025**.

As always, the conference is **completely free** and open to all members of the global research community. To accommodate participants across time zones, the event will be split into **six sessions (three per day)**:

- **Session 1**: 06:00 - 10:00 UTC - **Session 2**: 14:00 - 18:00 UTC - **Session 3**: 22:00 - 02:00 UTC

Across these sessions, participants can enjoy: 6 plenary talks, 24 short presentations, a poster session running throughout the conference, workshops and a few fun surprises!

Register / Submit an abstract (deadline: 7 September 2025) / More info: (https://ablaoc25.sciencesconf.org)—

The conference is organised by a small team of early-career researchers on a voluntary basis. Its success relies on the enthusiasm and support of the community **you!** If you know colleagues or collaborators who may be interested, please help us spread the word.

- Forward this email to anyone who might be interested - Share the **conference flyer** (download it here https://f2fgt.r.a.d.sendibm1.com/mk/cl/f/sh/SMK1E8tHeG13E8ldhwQ1MX5GoAnY/QOkk5hl3iTTJ) - Share our announcements via your social media channels (https://linktr.ee/animalbehaviourlive).

If you have any additional questions, please contact us at animalbehaviourlive@gmail.com. You can also follow us on social media for active updates and reminders on events.—

Thank you very much for your support we hope you will join us online this November!

Best wishes,

The organising committee

Meet the team https://f2fgt.r.a.d.sendibm1.com/mk/-cl/f/sh/SMK1E8tHeGtwrHLH9Fdu79VCaZTc/-gmUHm3dCBoUL Animal Behaviour Live <animalbehaviourlive@gmail.com>

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Online AntiMicrobialPeptides Oct13-15

Online Registration is available for the SMBE Satellite Meeting: Evolutionary Biochemistry of Insect Antimicrobial Peptides

The SMBE Satellite Meeting on Evolutionary Biochemistry of Insect Antimicrobial Peptides will be held on Oct 13-15, 2025. Registration to attend online is still open. Online registrants can listen to all talks and participate in breakout sessions. To register for the online version of the conference, please visit the link below:? https://uh.edu/nsm/biology-biochemistry/news-events/smbe-meeting/ A limited number of in person registrants can still be accepted to attend the conference in Houston, TX. If you are interested in attending in person, please contact InsectAMPs@bucknell.edu as soon as possible.?

Additional information:

Microbes that cause disease to humans, livestock, crops, and wild species are incredibly diverse and rapidly evolve resistance to existing antibiotic drugs. Naturally occurring insect antimicrobial peptides have tremendous promise to help address the challenge of antibiotic resistance, but realizing this potential requires transdisciplinary collaboration across disciplines including genomics, microbiology, biochemistry, data science, and engineering. The conference will promote growth in this area by bringing together researchers from a variety of disciplines and career stages to understand modes of action and potential applications of insect AMPs as novel antibiotic agents.

Research areas covered by this conference will include: - Phylogenetic and comparative genomics of arthropod antimicrobial peptides - Novel antimicrobials, biomimetics design, and peptide biochemistry - Microbiology, in vitro and in vivo experimentation - Machine learning and data science - Translational research

There will be multiple breakout sessions at the conference, which we intend to use to develop at least one white paper on Insect Antimicrobial Peptides and Antibiotic Drug Design.

rpmeisel@Central.UH.EDU

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Online ESEB InternalConflictsSTN Sep19

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 September 19th at 13:00 UTC (i.e., 1400 in London, 1500 in Amsterdam, 2200 in Tokyo, 0900 in New York, 0600 in Los Angeles, etc.). Our speakers for this seminar are:

Laurence Hurst (University of Bath): What a piece of work is the human embryo

Phil Madgwick (Syngenta): Maladaptation: natural selection in the wrong direction?

We expect the meeting to take approximately 1.5 hours.

Meeting details:

Link: https://georgetown.zoom.us/j/98175742214?jst=-2 Date: September 19th, 2025

Time: 13:00 UTC

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

Sincerely,

Manus Patten, Arvid ï¿½gren, Thomas Hitchcock, Martijn Schenkel, and Nina Wedell

The Internal Conflicts and Organismal Adaptation STN

–

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>

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

Online MolEvolutionSperm Sep17

Dear colleagues,

We would like to invite you to our upcoming online "Bring-Your-Own-Fluid" (BYOF) seminar organized by the Social Transfer Network, an ESEB-funded Special Topic Network. The next online seminar will take place on September 17th at 15:00 UK time (16h in Europe, 10am in New York, 07am in Los Angeles, etc.).

BYOF refers to either the social fluid you might study or your cup of coffee or tea on your desk. Our intention with these seminars is to build an interdisciplinary community on the topic of socially transferred materials, to learn from one another and to advance research across the study of social transfers.

In this seminar series, we have three exciting flash talks, about 7 min each + Q&A, followed by discussion.

Our speakers for this seminar are:

Sinead English & Joshua Benoit: Milk in utero - social fluid transfer in pregnant flies and cockroaches

Dillan Saunders: Variation in maternal provisioning as a driver of changes in early development

Arthur Matte: The origins and molecular evolution of sperm

We expect the meeting to take approximately 1 hour.

Meeting details: Link: https://-us02web.zoom.us/j/82976401049?pwd=-HFiC0aIOfgYO2YK2TwoLu89v3Bejl1.1 Date: September 17th, 2025 Time: 15:00 UK / 16:00 Europe / 10:00 Eastern / 07:00 Pacific

If you would like to get on our mailing list and take part in upcoming events, please visit https://forms.gle/-cJG3gBUmAHMBviUr5 for more information, and check out our website at https://www.socialtransfer.net Sincerely,

Adria LeBoeuf, David Skerrett-Byrne, Jenny Stynoski, Joris Koene, Katharina Gapp, and Sanja Hakala

The Social Transfer Network

Adria C LeBoeuf <acl79@cam.ac.uk>

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Online SORTEE Oct15-16 Registration

2025 SORTEE Conference: Registration Reminder & Volunteers needed

Dear Colleague,

This is just to remind you about registration for the 2025 Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology (SORTEE) Conference. You can register at: https://sortee.org/upcoming/ .The conference will run continuously from 15 October 07:00 UTC to 16 October 10:00 UTC to cover all time zones.

The 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 are also seeking volunteers to help ensure the event's success. If you are available to assist between 19:00 PM UTC on October 15th and 06:00 AM UTC on October 16th (see time zone converter), please email us at conference@sortee.org!

We look forward to seeing you in October!

Sincerely, The SORTEE Conference Committee

REGISTER HERE

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

SORTEE Conference Committee <conference@sortee.org>

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

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

Paris EnvironmentalGenomics Feb18-20

Dear all,

France Gï¿½nomique and the National network GREENomics are pleased to inform you of their upcoming Symposium on Environmental and Agronomical Genomics, which will be held in Paris, France from February 18 to 20, 2026. All information here: https://eags2026.sciencesconf.org/ The following topics will be covered:

Monitoring of ecosystems functioning and health / Eco exposome Exploring ecosystems using metagenomics Exploring diversity and evolution of Life Ancient DNA and paleo-environments Environmental genomics and participatory science, openness to society Pangenome and structural variants Technological advances: producing and analyzing genomic data + IA Genomics of plants and animals and their microbiota Agrogenomics and diversity Genomics of biological interactions: holobionts, pathogens, symbionts Epigenomics/ epiallelic diversity International biodiversity genomics programs

Registration and call for abstracts are now open!

Abstract submission deadline: October 15, 2025 Registration deadline: January 14, 2026 Five free registrations for early career scientists who submit an abstract.

We would be grateful if you could share this information within your departments and laboratories interested in the topics covered.

We look forward to seeing you all in Paris, The OC (eags2026@sciencesconf.org): Lucie Bittner,ISYEB, Paris Denis Milan,INRAE, Genotoul, GeT-PlaGe, Toulouse Eric Pelletier, Genoscope, CEA, Evry Aude Perdereau,France Gï¿½nomique, Evry Catherine Sarlande, Genoscope, CEA, Evry Jean-Christophe Simon,INRAE, IGEPP, Rennes

Patrick Wincker,Genoscope, CEA, Evry

Jean-Christophe SIMON, PhD INRAE, UMR IGEPP (Institut de Gï¿½nï¿½tique, Environnement et Protection des Plantes) Domaine de la Motte, 35653 Le Rheu Cedex, France Tel. +33 (0)223485154 Email: jean-christophe.simon@inrae.fr

Jean-Christophe Simon <jean-christophe.simon@inrae.fr>

SanDiego PAG33 Jan9-14

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QUcgVHJhdmVsIGdyYW50czoNCmh0dHBzOi8vaW50bHBhZy5vcmcv
bC1ncmFudHMNCg0KV2Ugd2lsbCBhbHNvIGJlIG9yZ2FuaXNpbmcg
YXQgQ2FzYSBHdWFkYWxhamFyYSBvbg0KdGhlIFN1bmRheSBua
YXRpb24gYWJvdXQgdGhhdCB3aWxsIGJlIGFycml2aW5nIGluDQph
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emllIE1hYnJ5DQoNCkNvbXBhcmF0aXZlIEdlbm9taWNzIC0gQW5pb
ZWFkb3dzICYgSm9obiBOZWRkZXJtZXllcg0KDQpPbmUgSGVhbHF
YW5nZWxvcyBEaW1vcG91bG9zICYgQXVkcmV5IExpbg0KDQpXaW
dmUgRGFs77+9biAmIE9saXZlciBSeWRlcg0KDQoNCg0KTG92ZSBE
QHpvb2xvZ2kuc3Uuc2U+DQoNCih0byBzdWJzY3JpYmUvdW5zdWJ
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SmokyMountains Tennessee SEPEEG EvolGenet Oct3-5

The 52nd annual Southeastern Population, Ecological, and Evolutionary Genetics meeting (SEPEEG) will be held on the weekend of October 3-5 at the Great Smoky Mountains Institute in Tremont, TN. Registration for

the meeting is filling up fast, but there are still a few slots left for talks and posters. The registration site is here: SEPEEG2025 (Southeastern Population Ecology and Evolutionary Genetics Meeting, 2025) < https://-sepeeg2025.blogspot.com/ >.

Venue: Great Smoky Mountains Institute at Tremont, Tremont, TN Dates: Oct 3-5 Cost: $200. Registration deadline: Sept. 12

Please forward this mail to potentially interested parties, in your department, at your institution, or whomever!

Address questions to the organizers, Ben Fitzpatrick (benfitz@utk.edu) or Charlie Baer (cbaer@ufl.edu).

See y'all at SEPEEG!

-Charlie and Ben

cbaer@ufl.edu

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Tremont Tennessee SEPEEG Oct3-5 DeadlineExtended

The registration deadline for SEPEEG (Southeastern Population, Evolutionary, and Ecological Genetics Meeting) has been extended, to Wed, Sept. 24. That is a hard deadline set by the Nice Folks at Tremont. Registration site is here: SEPEEG2025 (Southeastern Population Ecology and Evolutionary Genetics Meeting, 2025) < https://sepeeg2025.blogspot.com/ >. The talk slots are sold out, but there is still room for posters.

Also: we are happy to announce that this year's Keynote Address will be given by Megan Behringer of Vanderbilt University (title TBA, but it'll be good!).

Venue: Great Smoky Mountains Institute at Tremont, Tremont, TN Dates: Oct 3-5 Cost: $200. Registration deadline: Sept. 24

Please forward this mail to potentially interested parties, in your department, at your institution, or whomever!

Address questions to the lead organizer Ben Fitzpatrick (benfitz@utk.edu) or Charlie Baer (cbaer@ufl.edu).

See y'all in the Smokies!

-Charlie and Ben

"Baer,Charles" <cbaer@ufl.edu>

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

cbaer@ufl.edu

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

Valencia Pangenome2025 Dec2-5

Dear colleagues,

The Pangenome2025 meeting will be held in Valencia (Spain) in December, 2-5. The meeting main topic will be "The microbial pangenome in One Health" and will include invited and contributed talks. Invited speakers include Howard Ochmann (Univ. Texas), Hervï¿½ Tettelin (Univ. Maryland), Josï¿½ Penades (Imperial College London and Cardenal Herrera Univ. Valencia), and Paul Turner (Yale Univ.), among others. The deadline for abstracts submission is October, 10. Additional information for registration, prizes, and programme can be found at https://alocongress.com/pangenome . The Organizing Committee

Prof. Fernando Gonzalez Candelas Catedrï¿½tico de Genï¿½tica / Professor of Genetics Unidad Mixta Infecciï¿½n y Salud Pï¿½blica FISABIO/Univ. Valencia Universitat de Valencia Phone: (+34) 963543653 - 961925961 C/ Catedrï¿½tico Jose Beltran, 2 FAX: (+34) 963543670 E-46980 Paterna (Valencia) SPAIN e-mail: fernando.gonzalez@uv.es ORCID: orcid.org/0000-0002-0879-5798 http://www.uv.es/gonzalef Clausula de confidencialidad: (ACGUV 227/2014: Art. 7.1) http://-www.uv.es/websiuv/clausula_confidencialitat.html Fernando Gonzalez UV <fernando.gonzalez@uv.es>

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ViladoConde Portugal ARGEvol Nov12-14

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GradStudentPositions

AuburnU BehaviorEvolution

The Mizumoto Lab is recruiting one graduate student (either PhD or master's level). The student is expected to develop a research question on the diversity/evolution of termite social/collective behavior in a phylogenetic framework. Research topics include, e.g., image analysis of tunneling behavior, movement tracking of tandem running behavior, developing a mathematical model of social evolution, and social parasitism interactions. We study diverse termite species across local, national, and international ranges, but particular focus can be on Reticulitermes spp in the Southeastern US region, compared with species in other regions. This research involves fieldwork, behavioral observations, video tracking, computational data analysis, and simulation modeling. Graduate students are fully funded through re-

search assistantships and will conduct research under the guidance of Dr. Nobuaki Mizumoto. Students are expected to present their research at national and international conferences, publish papers in international peer-reviewed journals, and actively participate in laboratory and departmental events.

For consideration, please send the following materials to nzm0095@auburn.edu 1. CV listing relevant coursework, skills, and research experience 2. Cover letter (1-2 page) addressing research interests and research experience, mentioning at least one paper from the lab website. 3. Transcript 4. Contact information of three references (letters will be required during the formal application process)

The position starts in January 2026. Review of materials starts mid-September and continues until the position is filled. Selected applicants will be interviewed over Zoom. Auburn University is an R1 research university located in a beautiful college town, offering many opportunities for nature-related activities. The Mizumoto Lab is part of the Department of Entomology & Plant Pathology, known for its friendly environment and rich tradition. Auburn hosts several labs studying social insects (ants, bees, termites), providing excellent opportunities to develop future research networks. Auburn University is committed to an inclusive and diverse campus environment. Traditionally underrepresented groups are encouraged to apply.

Contact Nobuaki Mizumoto, Assistant Professor Department of Entomology & Plant Pathology Auburn University, Auburn, AL, US E-mail: nzm0095@auburn.edu Website: mizumoto-lab.com/

Nobuaki Mizumoto Assistant Professor Dept. of Entomology & Plant Pathology Auburn University 376A Funchess Hall Auburn, AL 36849 334-844-5032 mizumoto-lab.com

Enjoy asynchronous communication. No need to immediately respond to my messages outside your regular work hours.

nzm0095@auburn.edu

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AucklandUT EvolutionSpiderBehaviour

PhD position: Homemakers; web building behaviour in New Zealand sheet-web spiders

Spiders' webs are both tools for foraging and arena in which to negotiate and contest reproductive opportunities. Most research into these extended phenotypes has been conducted on more regularly arranged orbwebs. Such structures differ markedly to the webs of the North Island sheet-web spider Cambridgea foliata which builds large, non-sticky and three-dimensional webs (<1m2) both deep in native forest and modified habitats. These webs are built, extended and then tended to over months, representing a significant energetic investment, and can persist between years across changes of inhabitants.

However, little is known of how these webs are built, how spiders respond to damage and accumulation of litter, and about the various smaller arachnids, including kleptoparasites, that live within the larger web. This study will investigate web building behaviours and web morphology of this widespread endemic in order to characterise how natural and sexual selection influence site selection, web size and possible mending and cleaning behaviours. It will also characterise the diversity of web commensals in webs collected from both native and more disturbed habitats.

This PhD position involves a combination of field and lab work. You will be supervised by Dr Leilani Walker and Professor Hannah Buckley with opportunities to collaborate with other researchers.

We are seeking an independent and highly motivated candidate with:

* An Honours or MSc degree in animal behaviour, evolution and ecology or invertebrate zoology * Experience in ecological field work and/or lab and field experiments. This would include work at night. * Strong statistical analysis skills (preferably in R) * Excellent communication skills in English (written and spoken) * An open mind and a general willingness to learn and work in a team * A full driver's license

This is a fully funded PhD position for 3 years (an annual stipend of $33,726 plus tuition fees and research costs). We encourage both international and domestic students to apply for this position, which will be based in the School of Science at the Auckland University of

Technology in T?maki-Makaurau/Auckland, Aotearoa New Zealand. T?maki-Makaurau is the largest city in Aotearoa. While boasting a vibrant city centre, a range of natural environments from beaches to native forest are only a short drive away.

Interested candidates should send applications as a single PDF document comprising 1) a letter of motivation that clearly outlines your interest in the advertised project, 2) a curriculum vitae, including scientific publications if applicable, 3) academic transcripts, and 4) contact details for two academic references to Dr Leilani Walker (leilani.walker@aut.ac.nz). Applications will be received until the position is filled.

[AUTMaori] < http://www.aut.ac.nz/ > Leilani Walker She/her Lecturer Environmental Science Auckland University of Technology

[Facebook] < https://www.facebook.com/autuni > [Twitter] < https://twitter.com/AUTuni > [YouTube] < https://www.youtube.com/user/AUTUniversity >

E leilani.walker@aut.ac.nz

leilani.walker@aut.ac.nz

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CentralMichiganU CichlidCompetitionSpeciation

The Dijkstra lab at Central Michigan University is recruiting PhD students to start in Fall 2026. The positions are fully funded by our new NSF award focusing on the behavioral and neurogenomic basis of aggression biases and its role in speciation in African cichlid fish. If you're passionate about behavioral neuroscience, animal behavior, stress biology, or evolution, we welcome your inquiry.

Interested candidates should contact Dr. Peter Dijkstra (dijks1p@cmich.edu) with (i) a statement of interest detailing how you might fit in the lab, (ii) CV, (iii) transcripts (unofficial is sufficient), and iv) contact information of 3 references. Please compile as a single pdf and include "PhD Student Application 2026" in the email subject line. Review of applications will start by Oct. 20.

For more information about the Dijkstra lab, please visit https://sites.google.com/site/peterdijkstrausnl/home Peter Dijkstra Professor Department of Biology Central Michigan University

"Dijkstra, Peter Douwe" <dijks1p@cmich.edu>

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ColumbiaU NY BirdSpeciation

Doctoral position

Delmore lab (delmorelab.com)

Department of Ecology, Evolution, and Environmental Biology (E3B)

Columbia University

The Delmore lab is recruiting a PhD student to start in Fall of 2026. We seek one highly motivated student with experience in population genetics, and bioinformatics, and working with wild birds.

The successful applicant will join a project that leverages a natural hybrid zone between two subspecies of Swainson's thrushes to investigate the genomics of speciation, the genetic basis of migration, and the consequences of hybridization. They will build on existing work in the system (e.g., Blain SA et al 2025. Repeatable selection on large ancestry blocks in an avian hybrid zone Molecular Biology and Evolution; Justen et al 2024. Mapping seasonal migration in a songbird hybrid zone PNAS).

The position will involve additional field sampling and sequencing. Plus population genetic analyses using NGS data. If interested, the successful applicant could extend field work beyond sampling to include experimental approaches (e.g. tracking birds, song playback).

Funding is available through TAships/RAships. The applicant will also be encouraged to apply for external funding.

Qualifications

- BSc or MSc in evolutionary biology, bioinformatics, or equivalent

- Strong background in population genetics or quantitative genetics

- Experience combining bioinformatics with population genetics

- Field experience in capturing and banding wild birds

Application

Please send a CV and a short description of your interest in the position and any relevant research experience to ked2195@columbia.edu, along with the names and emails of 203 people I could contact for reference letters.

–

Kira Delmore | Associate Professor Department of E3B | Columbia University 1014A Schermerhorn Extension | 1200 Amsterdam Avenue | New York, NY 10027 1 (979) 900-2129 | ked2195@columbia.edu | delmorelab.com

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

Kira Delmore <ked2195@columbia.edu>

CSIC Barcelona GeneticBasisEvolution

The Institute of Evolutionary Biology seeks a PhD student

The Institute of Evolutionary Biology (IBE) is a joint Institute of the Spanish National Research Council (CSIC) and Pompeu Fabra University (UPF), located in Barcelona. IBE's research is focused on the processes and mechanisms that generate biodiversity and on understanding the genetic basis of evolution. The IBE is part of the Barcelona Biomedical Research Park (PRBB), a stimulating international research environment with state-of-the-art facilities.

The Evolutionary Microbiology Lab The Evolutionary Microbiology lab's (https://www.ibe.upf-csic.es/-evolutionary-microbiology-group) goal is to study the molecular mechanisms that facilitate adaptation to changing environments, as well as the limits of adaptation, using a combination of computational approaches, experimental evolution (of bacteria and single proteins) and omics (sequencing, transcriptomics). The group is part of the Biodiversity Program at IBE. We are a small, but collaborative and dynamic group. The candidate will benefit from a vibrant and interdisciplinary academic environment with excellent opportunities for education, training and collaboration.

Project description Environments change constantly, but bacteria can rapidly adapt to stressful conditions. How can bacteria adapt so quickly? While most research on bacterial adaptation centers on well-established model organisms, in our lab we investigate the mechanisms of adaptation in understudied bacterial species. The candidate will use experimental evolution to investigate how bacteria with multipartite genomes adapt to nutrient limitation under both constant and fluctuating environmental conditions. The evolution experiments will be coupled with whole-genome sequencing to identify the genetic changes underlying adaptation. Particular emphasis will be placed on studying the role of copy number variations in driving adaptation to nutrient scarcity.

Specific Tasks - Experimental evolution of bacterial populations - Transcriptome/genome sequencing and analysis - Directed laboratory experiments to test hypotheses derived from the evolution experiments

Requirements - The successful candidate should hold a Master's degree in a relevant area such as evolutionary biology or microbiology and have a genuine interest in evolutionary biology - Experience with standard molecular biology techniques (microbiological culture using sterile technique, PCR, cloning, DNA and RNA isolation, sequencing, etc.) - Programming skills and experience analyzing next-generation sequencing data are an asset - The candidate should be self-motivated, curious, organized and able to work independently and as part of a team. - Proficiency in English (oral and written)

What do we offer? A fully-funded four-year PhD position, funded by a Proyecto de Generación de Conocimiento (AEI). Starting date: March, 2026 Salary: 24.500 euro /year gross salary Location: Institute of Evolutionary Biology (Passeig Marítim de la Barceloneta, 37 - 49, Barcelona, Spain)

Application process Application deadline: 30th September 2025 Interested candidates should e-mail Macarena Toll Riera (macarena.toll@ibe.upf-csic.es) with the subject line "PhD student position" and a motivation letter describing their interest in the project, their CV and contact information of two potential references.

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

Denmark DTU Palaeogenomics

PhD scholarship in Palaeogenomics and Bioinformatics

DTU Health Tech, Kgs. Lyngby, Denmark

This 3-year PhD position offers a unique opportunity to work at the intersection of palaeogenomics, bioinformatics, and evolutionary biology. The project focuses on developing novel computational methods to improve genomic analyses of degraded or low-quality DNA, enabling robust population genomic inference for extinct species.

Applicants should hold (or soon obtain) a two-year MSc degree in bioinformatics, computational biology, evolutionary genomics, or related fields. Strong programming skills and familiarity with NGS data and genome assembly are expected.

The position is full-time, starting 1 February 2026 (or by agreement).

Full details and application link: tinyurl.com/BioExtPhD

Application deadline: 24 October 2025.

Contact: Michael Westbury (micwe@dtu.dk)

Mick Westbury <micwe@dtu.dk>

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FloridaStateU HostMicrobeSymbiosis

PhD Position in Host-Microbe Symbiosis

The Stoy Lab at Florida State University is recruiting graduate students to start in Fall 2026. Our research focuses on investigating the evolutionary drivers of species-rich symbiotic mutualism. We are interested in understanding why some mutualisms involve many partners while others are highly specialized, and the consequences of these divergent evolutionary pathways. We use an evolutionary genetics approach leveraging two complementary systems. One arm of our research program uses the naturally occurring interactions between Coreid insects and their bacterial Caballeronia symbionts. The second arm uses experimental evolution of mutualistically cross-feeding yeast. Students will have opportunities to develop research projects that leverage these tools, population genetics, and molecular genomics to investigate the evolution of mutualism.

Interested candidates should email kstoy@fsu.edu with a CV and an explanation of their previous research experience, future research interests, and projects you would like to pursue in the Stoy Lab. I will meet with all candidates by zoom during the Fall 2025 semester. Candidates would apply to the Ecology and Evolution graduate program at FSU, a collegial, exciting, and interdisciplinary environment. FSU is in Florida's panhandle, which is teeming with interesting natural habitats and unique biodiversity. Candidates will be funded through TAships/RAships and encouraged to apply for independent funding. For more information about our lab and research visit the Stoy Lab Website. < https://-ksstoy.wixsite.com/stoylab >

For more information about E&E at FSU, please visit: https://www.bio.fsu.edu/ee/ For details about applying to the graduate program, please visit: https://-www.bio.fsu.edu/grad/eegrad/ For more information contact kstoy@fsu.edu

Kayla Stoy, PhD Assistant Professor Department of Biological Science Florida State University

Kayla Stoy <ks24bw@fsu.edu>

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GeorgeWashingtonU EvolutionaryBiology

The Zhang Lab (visit https://zhanglabgwu.weebly.com/ for more information) is currently seeking a highly motivated PhD student to join our team in the Department of Biological Sciences at George Washington University, with the expected start date in the fall of 2026. The deadline for application is December 1 st, 2025.

The Zhang lab focuses on understanding two fundamental evolutionary processes: adaptation and speciation. Current research topics in the lab include, but are not limited to, understanding evolutionary responses to environmental change and the mechanisms of speciation. We are broadly interested in how populations adapt to shifting climates and novel habitats, and how these adaptive processes contribute to the origin and maintenance of biodiversity. Projects in the lab often integrate ecological fieldwork, genomic analyses, and experimental approaches to address questions such as: How do environmental gradients shape patterns of adaptation? What genetic and phenotypic mechanisms underlie reproductive isolation? And how do interactions between species (e.g., hosts, natural enemies) influence evolution-

ary trajectories?

The successful applicant has the chance to develop their own projects that are within PI's realm of interests in evolutionary biology. Experience in field work, programming language (e.g. R, python, unix), molecular biology skills (DNA-based lab work), and quantitative analysis are strongly preferred. This position is guaranteed for five years of funding including summer stipends. It consists of two years of TA and three years of fellowship. Detailed application documents can be found here (http://bulletin.gwu.edu/arts-sciences/biological-sciences/phd/#admissionstext).

Prior to applying to the department of Biological Science at GWU, please contact Dr. Zhang at linyi.zhang@gwu.edu. In the email, please include (1) CV, (2) an unofficial transcript, (3) a brief statement describing your research interests, relevant research experience, and motivation for joining the lab, (4) your referees' contact information, (5) a writing sample.

Linyi Zhang, Ph.D.

Assistant Professor

Department of Biological Science,

George Washington University

800 22nd NW, SEH 6520

Washington DC 20052

linyi.zhang@gwu.edu

Dr. Linyi Zhang Assistant professor, Department of Biological Sciences George Washington University https://zhanglabgwu.weebly.com/ "Zhang, Linyi" <linyi.zhang@email.gwu.edu>

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IndianaU ChemicalSignalEvolution

The Darragh lab (https://kathydarragh.com/) at Indiana University, Bloomington is recruiting PhD students to start in Fall 2026. Our research focuses on the evolution of chemical signals. We take a range of approaches including studying the behavioral function of chemical signals as well as investigating the underlying genetic and molecular mechanisms of biosynthesis of the chemical compounds. To do this, we combine techniques such as protein expression, enzyme assays, RNAseq, behavioral trials, gene family analyses and comparative studies, mainly in insects. Students will have the opportunity to develop projects combining evolutionary biology with mechanistic molecular studies. We encourage students with diverse interests in evolutionary biology, chemical ecology, and molecular evolution to apply.

Interested candidates should email kdarrag@iu.edu with a CV and a cover letter. In the cover letter, please include any previous research experience, future research interests, and what types of projects you would like to do in the Darragh lab. I will meet with candidates by zoom before applications are due for the graduate program deadline (December 1st 2025). Candidates would apply to be part of the EEB (Evolution, Ecology, and Behavior) graduate program at IU, a vibrant and interdisciplinary community with ample opportunity for collaboration. Candidates will have 5 years of guaranteed funding through TAships/RAships and will be encouraged to apply for independent fellowships.

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

Kathy Darragh Assistant Professor Department of Biology Indiana University, Bloomington

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

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IowaStateU SnakeConservationGenomics

MSc/PhD Assistantship Conservation Genomics and documentation of snake fungal disease in Eastern Massasauga Rattlesnake, Timber Rattlesnake, and Plain-bellied Watersnake.

Department of Natural Resource Ecology and Management, Iowa State University, Ames, Iowa

We are seeking one graduate student (MS or PhD) to work in collaboration with partners investigating the conservation genomics of three snake species of conservation concern and documenting the occurrence of snake fungal disease (SFD) in the Upper Midwest. The PIs are equally interested in either MS or PhD candidates

for this position and preference will be given to the most qualified candidates seeking either degree.

This project will facilitate collaborative conservation of at-risk snakes in three Midwestern states (Iowa, Illinois, and Wisconsin).

Habitat loss, population isolation, persecution, and wildlife disease are considered the major threats to snake populations. Development of the landscape for intensive human use beginning in the 19th century (e.g., expansive agricultural and urban development) fragmented and isolated wildlife populations, especially species with limited dispersal abilities such as snakes. More recently many snake species have been threatened by an emerging disease caused by a fungal (Ophidiomyces ophiodiicola) infection (Snake Fungal Disease; SFD). This combination of threats continues to impact snake populations in the Midwest. The species targeted in this project are each considered at-risk in one or more of the partnering states.

The student will be responsible for collecting samples in Iowa with state partners and coordinating the transfer of archived samples from other states to Iowa State University, working with samples in the lab to extract DNA and test for fungal infection, as well as the management of samples, DNA, resultant data, and the analyses of the data.

Training on handling venomous snakes and collecting samples will be provided if the selected candidate does not have experience.

The student will begin by January 2026 and will be co-advised by Dr. Julie Blanchong and Dr. Kevin Roe.

Required Qualifications: - B.S. in wildlife science, ecology, zoology, or closely related field - GPA of 3.0 - A strong work ethic, drive, and motivation to succeed - Strong verbal and written communication skills - Experience in field-based wildlife research - Experience in basic laboratory techniques, good organizational skills, and attention to detail - Ability to work independently and as a productive member of a research team

Preferred Qualifications: - Experience programming in R and bioinformatics experience - Background or interest in conservation, population, or evolutionary genetics / genomics - Experience working and communicating with wildlife management agencies - Experience handling and sampling venomous snakes - Experience in a wet lab environment and/or with the handling and processing of biological samples - Experience in leadership roles, especially associated with leading field crews

Start Date: January 20, 2026

Application Deadline: November 2025 or until filled.

To Apply: Please send the following materials via email to Julie Blanchong (julieb@iastate.edu) and Kevin Roe (kjroe@iastate.edu): (1) cover letter describing qualifications, career goals, and academic interests, (2) resume/CV with contact information for references, and (3) unofficial copies of transcripts.

Kevin J. Roe

Associate Professor

Natural Resource Ecology and Management

Iowa State University

Ames, Iowa 50011

515 294-8332–

kjroe@iastate.edu

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JYU Finland ExperimentalEvolution

Doctoral Researcher in Experimental evolution and evolutionary genetics

The Kronholm lab is looking to hire a doctoral researcher (PhD student position) to join a project combining experimental evolution and genetic analysis to study the properties of mutations that arise during adaptation.

The genetics, epigenetics, and evolution group lead by Ilkka Kronholm studies the properties of mutations and spontaneous epigenetic changes, and genetic architecture of complex traits. Our fundamental interest is in the properties of mutations, and how do they interact. Our research questions are focused on understanding how different intrinsic and extrinsic factors affect evolutionary adaptation. As model systems we use fission yeast and the filamentous fungus Neurospora crassa. We are currently working on a large experimental evolution study using fission yeast, with two postdocs and one other PhD researcher working on different questions. This project is part of a larger project funded by the ERC.

The idea with this project is that we will be exploring how do different mutations that have arisen during adaptation affect different life-history and physiological traits, and how those changes are translated in to effects on fitness: so investigating the genotype - phenotype - fitness map and possibly effects of epistatic interactions among the mutations. Our system allows very detailed

investigation of the relationship between genotype and phenotype, since genetic variation is limited and we can leverage the full power of fission yeast genetics. Moreover, in this project the candidate also has some freedom to explore different questions, so that exact questions can also be tailored to the candidates interests, within the overall framework of the project.

The doctoral researcher is expected to contribute to the current project, plan and perform research, write manuscripts and finally a PhD thesis. There is also a limited amount of teaching and other coursework that is part of the PhD studies.

You are the person we are looking for if you have a master's degree in evolutionary biology, population genetics, genetics or a related discipline with a strong interest in evolutionary genetics. Previous experience with fungal genetics or microbiology is not required, but having some background in microbial work can be an advantage, as well as good computational skills and solid understanding of statistics, and in particular the R environment. Good written and oral communication skills in English are required.

The position can start in beginning of January 2026 or somewhat later as agreed. There is going to funding for three years, and there are several options to apply for funding for the fourth year if needed.

What does the University of Jyväskylä offer as an employer?

At the University of Jyväskylä, you are a recognized member of our community with an ample opportunity to be drawn into international research. You get to participate in our international and multidisciplinary community, where everybody's welfare is essential. You will work in an inspiring and lively campus area and an environment that supports a healthy and active lifestyle.

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

University's International Staff Guide.

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

Please attach the following documents to your application:

1. Curriculum vitae, composed according to good scientific practice and considering the template for researcherÂs curriculum vitae by The Finnish Advisory Board on Research Integrity (https://tenk.fi/en/advice-and-materials/template-researchers-curriculum-vitae) and include contact information of two people willing to provide a reference.

2. Cover letter explaining your motivation, research interests, and plans. Please do not use AI to write your cover letter.

3. Copy of your Master's degree or a statement explaining your schedule for obtaining it.

Please submit your application at the latest by 31 October 2025 11:45 pm (GMT +2). Please do not submit your application by email, but use the online application form:

— / —

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

LingnanU LichenBiodiversity

*** PhD Position in Lichen Biodiversity & Phylogenetics ***

The Nutritional Mutualisms Lab at Lingnan University is seeking candidates for PhD positions to investigate local biodiversity and phylogenetics of lichens. More information about the lab and ongoing projects can be found at: https://www.ingacontijerpe.com/ Duration: 3 years fully funded with options to extend for a 4th year

Start date: September 2026

Compensation: Candidates can apply for the competitive Hong Kong Postgraduate Fellowship (~$43,000 USD per year) or will be awarded a stipend (~$29,000 USD per year) along with medical benefits.

Qualifications:

* Bachelor's degree in biology, ecology, environmental

science, or related field * MPhil or MS in related field * Previous field research experience * Strong written and verbal English communication skills * Ability to work both independently and in group settings * Previous experience conducting molecular work (DNA/RNA extractions) and/or lichen identification is strongly preferred

To apply, email Dr. Inga Conti-Jerpe the following:

* CV * 1-page cover letter describing research interests and career goals * Transcripts (unofficial copies are ok) * Contact information for 3 references

Inga E. Conti-Jerpe, PhD Assistant Professor Science Unit LCH112/1, 1/F Lau Chung Him Building Lingnan University

www.ingacontijerpe.com "CONTI-JERPE Inga (SU)" <ingacontijerpe@ln.edu.hk>

Linkoping Sweden BehaviouralEvol

PHD STUDENT IN BEHAVIOURAL EVOLUTION

The Division of Biology at Link??ping University invites applications for a four-year PhD to address outstanding questions on behavioural evolution in canids.

WORK ASSIGNMENTS:

Understanding how behaviours evolve is a long-standing goal in evolutionary biology. Using the domestic dog as a model species, the PhD student selected for this project will investigate unanswered questions on how complex behavioural phenotypes and social systems develop and evolve. Specifically, the project will focus on behavioural syndromes and social networks in dogs and to some extent wolves.

The selected PhD student will work with large-scale behavioural data sets using a range of approaches, including heritability analyses and machine learning. Some data for the project already exist, but additional data will be collected from behavioural tests on privately owned pet dogs in Sweden and abroad (Europe). Travel and time spent abroad should therefore be expected during data collection periods.

The project offers rich opportunities for networking and skillset development, as national and international collaborators with diverse backgrounds are involved in the project. Visits to collaborating institutions should be expected.

QUALIFICATIONS:

You have graduated at Masters level in biology or completed courses with a minimum of 240 credits, at least 60 of which must be in advanced courses with a substantial part gained from courses in animal behaviour/behavioural ecology and evolutionary biology on advanced level. Alternatively, you have gained essentially corresponding knowledge in another way. Assessment of following essential skills will be used in selecting among eligible candidates:

* Quality of the master degree in a relevant area * Written and oral proficiency in English * Capacity for analytical thinking and quantitative analysis * Ability to work independently, to take initiative and be creative * Ability and willingness to work collaboratively in a team, including with people of different nationality, religion, gender and ethnicity * Demonstrated experience in planning, overseeing and conducting behavioural tests on animals * Demonstrated experience in behavioural coding * Demonstrated experience in R * Experience with traveling and spending time abroad * Ability and willingness to teach and participate in mentoring bachelor and master students

DESIRABLE BUT NOT ESSENTIAL SKILLS:

* Canid experience * Demonstrated experience in handling large datasets * Experience with social network analyses * Experience using machine learning and AI tools for behavioural coding

For more detail and to apply, see full ad: https://liu.se/en/work-at-liu/vacancies/27417 Application deadline: 24th of September 2025.

Contact person: Assistant Professor Christina Hansen Wheat, christina.hansen.wheat (at) liu.se

Christina Hansen Wheat, Ph.D Assistant professor in Animal Behaviour

Division of Biology Department of Physics, Chemistry and Biology Linköping University Sweden

Website < https://sites.google.com/view/christinahansenwheat > BlueSky < https://bsky.app/profile/chansenwheat.bsky.social > Phone: +46 76 18 19 777

"Contempt for simple observation is a lethal trait in any science" â€
Nikolaas Tinbergen

Christina Hansen Wheat <christina.hansen.wheat@liu.se>

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MiamiU EcologyEvolution

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

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

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

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

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

Melany Fisk - N and P dynamics and forest productivity in northern hardwood ecosystems; plant-soil-microbial interactions. https://hubbardbrook.org/people/melany-fisk/ (fiskmc@miamioh.edu)

David Gorchov - Effects of deer on native and invasive plants. https://davidgorchov.weebly.com/ (GorchoDL@miamioh.edu)

Natalie Hofmeister - Ecology and evolution of invasive birds; population genetics and genomics; demography and invasion history

www.nataliehofmeister.com (hofmein@miamioh.edu)

Deidra Jacobsen - Ecology and evolution of plant-insect interactions

(jacobsd8@miamioh.edu)

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

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

(moorerc@miamioh.edu)

Yoshi Tomoyasu- Molecular and developmental bases of morphological evolution, with insects and insect wings as model systems

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

Zheng Li - genome evolution in plants and insects and how it impacts on phenotype evolution and diversification

(liz7@miamioh.edu)

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< https://miamioh.edu/ >

Dean Castillo, PhD.

(Pronouns: he/him/his)

Assistant Professor

Biological Sciences

Miami University - Hamilton

castild@miamioh.edu

“Castillo, Dean” <castild@miamioh.edu>

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MPI-Germany PolygenicAdaptation

A doctoral researcher position is available in Evolution of Polygenic Traits Research Group at the Max Planck Institute for Evolutionary Biology- Ploen, Germany.

The position is available from the earliest possible starting date. Contracts are awarded after an initial start-up phase (6 months; non-taxable stipend) for a period of three years (fully funded). Remuneration and social benefits are based on the German Civil Service Collective Agreement (TV??D Bund). The salary includes all mandatory social insurance contributions for health

care, long-term care, unemployment, and retirement. The candidate will be part of the International Max Planck Research School for Evolutionary PhD, a well-established program with a vibrant research community and outstanding infrastructure. The Max Planck Institute for Evolutionary Biology in Ploen 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.

Project 1 - Adaptive architecture after a shift in trait optimum

The genetic architecture of quantitative traits identified by QTL and GWA studies includes all contributing alleles and their effect sizes. However, only a subset of the underlying alleles responds to selection; these alleles constitute the adaptive architecture (1). Factors such as distance to the new trait optimum, initial allele frequencies, genetic redundancy and pleiotropy determine which alleles are potentially adaptive. The aim of this doctoral project is to investigate the effect of distance to trait optimum on the adaptive architectures of a polygenic trait, embryo size in Drosophila. Our group has recently developed an accurate and high-throughput method for embryo size measurement using large particle flow cytometry (2). We will establish an experimental framework to shift the average embryo size towards a larger size with different intensities in replicate populations of Drosophila.

Project 2 - Evolution of gene regulatory networks Many genetic variants underlying complex traits are in regulatory regions, and adaptation can be manifested by changes in the expression of adaptive genes (3,4). Adaptation of complex traits may also take different evolutionary paths in replicate populations despite phenotypic convergence, i.e., genetic redundancy (1). Genetic redundancy could manifest itself as a change in the expression of genes in the same or different regulatory modules (with either similar or different functions) in different populations. The aim of this project is to understand how gene regulatory networks are modified during polygenic adaptation. Tissue-specific gene expression and genomic data from hundreds of individuals from multiple replicate populations adapting to a new trait optimum will be used to reconstruct gene regulatory networks. In addition, eQTL mapping will be performed to identify the genetic variation underlying the changes in adaptive gene expression.

References 1. Barghi N, Hermisson J, Schl??tterer C. Polygenic adaptation: a unifying framework to understand positive selection. Nat Rev Genet. 2020 Dec;21(12):769???81. 2. Barghi N, Ramirez-Lanzas C. A high throughput method for egg size measurement in Drosophila. Sci Rep. 2023 Mar 7;13(1):3791. 3. Boyle EA, Li YI, Pritchard JK. An Expanded View of Complex Traits: From Polygenic to Omnigenic. Cell. 2017 June 15;169(7):1177???86. 4. Fagny M, Austerlitz F. Polygenic Adaptation: Integrating Population Genetics and Gene Regulatory Networks. Trends in Genetics. 2021 July 1;37(7):631???8.

Qualifications - Master's degree in evolutionary biology with a strong background in population genetics or quantitative genetics. The applicant should have experience in analyzing time series data and combining bioinformatics methods with population genetic theory. Applicant for project 2 should have a strong interest in combining systems biology approaches with population genetics. - The applicant should be a curious, highly motivated and dedicated researcher with grit, i.e. the passion and perseverance for very long-term goals. - Excellent written and oral communication skills in English - Candidate should have strong programming skills (Python, R, etc.) and experience working with large datasets.

How to apply - Please indicate which project you would like to apply for (you can choose more than 1). - Your application should include 1) a cover letter outlining your research interests, motivation, and relevant work experience, 2) your CV including a list of publications and methodological skills, 3) your bachelor's and/or master's degree and transcripts, and 4) contact information for two references. The cover letter should

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NCState BrookTroutConservationGenomics

MSc Assistantship in Brook Trout Conservation Genomics

Background: The Mamoozadeh Lab at North Carolina State University (NC State) is accepting applications for an MSc student to begin January 2026 (spring semester).

The Mamoozadeh Lab leverages genomics and bioinformatics to explore questions related to the applied conservation and management of fish species. This research is conducted in close collaboration with state and federal fisheries management agencies. Students work in lab and field environments, and build transferable skills in creativity, leadership, and communication, as well as highly marketable skills in field biology, genetics/genomics, and bioinformatics. The Mamoozadeh Lab is housed within the Department of Applied Ecology at NC State, which also houses the USGS Southeast Climate Adaptation Science Center and the USGS North Carolina Cooperative Fish and Wildlife Research Unit, offering abundant opportunities for integrative and applied research in fisheries contexts. The selected applicant will work directly with Dr. Nadya Mamoozadeh on the NC State campus located in Raleigh, North Carolina.

Project Description: The successful applicant will complete the MSc degree program requirements while leading genomics research aimed at characterizing outcomes of targeted restoration activities for brook trout in the southern Appalachians (eastern Tennessee and Great Smoky Mountains National Park). This will involve tasks in: 1) Coordinating the collection and curation of brook trout samples and corresponding metadata 2) Isolation and quantitation of DNA from tissues 3) Preparation of reduced representation libraries for high-throughput sequencing 4) Analysis of sequence data to produce genotypes and assess population genetic relationships 5) Writing of thesis chapters and associated manuscripts for peer- reviewed publication 6) Sharing research findings with funders and other relevant stakeholders

Qualifications: Applicants should have a BSc degree in the field of biology, ecology, fisheries, natural resources, genetics/genomics, bioinformatics, or a related field. Preference will be given to candidates with prior molecular lab experience (especially library preparation for high-throughput sequencing) and with quantitative skills that include analyzing genomic datasets (such as in R and related bioinformatic pipelines). Competitive candidates will also have strong communication and leadership skills, as well as the ability to work independently. We are a very interactive lab and are looking for an enthusiastic scientist who cares about fisheries conservation and management. We are also a lab that celebrates diversity and inclusivity, and we warmly invite lab members to contribute to this culture.

Support: Students in the Mamoozadeh Lab receive a stipend, tuition, and health insurance, as well as support for professional travel. This support may come through a mix of teaching assistantships, research assistantships, and other sources.

How to Apply: Interested students should email the following to Dr. Nadya Mamoozadeh (nrmamooz@ncsu.edu) as a single PDF and using the subject line "Brook Trout Genomics Student": 1) Brief cover letter describing research interests, related skills, career goals, and how working in the Mamoozadeh Lab will help you achieve these goals 2) Resume/CV 3) Unofficial transcripts 4) Writing sample (e.g., published paper, manuscript in preparation, undergraduate thesis, or research paper or essay from a relevant course) 5) Names and email addresses for three professional references

Applications should be received before 30 September 2025 to receive full consideration. Top candidates will be invited to discuss their qualifications and interests in a virtual interview. This informal selection process will be completed before submitting an official application to The Graduate School at NC State.

Nadya Mamoozadeh, PhD Assistant Professor Dept. of Applied Ecology

Nadya Mamoozadeh <nrmamooz@ncsu.edu>

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Nord Norway SalmonFunctionalGenomics

About the PhD fellowship:

Life histories are key components of individual fitness and are expected to evolve in response to environmental change and artificial selection. However, little is known about the molecular basis underlying variation in these traits. Atlantic salmon is among the most variable vertebrates on Earth in terms of life histories, making it a powerful model to study how complex differences in ecologically and economically relevant life history traits are regulated at the molecular level (e.g. Verta et al. PNAS 2024). Variation in a key Atlantic salmon life history trait, maturity age, is strongly influenced by the genotype in a few large-effect genes including SIX6 and VGLL3. How genetic variation in these regulatory proteins translates through gene regulatory networks into life history variation remains largely unknown.

The PhD candidate will use state of the art functional genomics to discover the molecular mechanisms mediating SIX6 and VGLL3 effects on salmon maturity age. The candidate will work with molecular techniques to

map gene regulatory networks (e.g. ChIP-seq, RNA-seq) and statistical approaches to discover genotype-phenotype associations (e.g. GWAS, random forest) in common-garden and aquaculture environments. By understanding these molecular mechanisms, and how genetic variation therein associates with life history traits, the candidate will:

- discover the mechanism by which large-effect regulatory genes mediate life history adaptations - help to predict changes in life history traits as salmon adapt to new environments - help to develop new broodstocks with desirable maturation rates

The project is implemented in collaboration with researchers at the University of Helsinki (Finland), and with partners from the aquaculture industry.

The candidate will join the Genomics division at the Faculty of Biosciences and Aquaculture at Nord University and will be supervised by Associate Professor Jukka-Pekka Verta. The division is housed at the new Noatun building with excellent lab space for genomics and proteomics as well as powerful IT infrastructure. The vibrant city of Bodø is surrounded by stunning Arctic nature and offers excellent quality of life in one of the world's most developed countries.

The fully-funded contract will be for a 3-year period without teaching. The start date is flexible within fall 2025 / winter 2026. The PhD program is in English (proficiency in Norwegian is NOT required).

What we're looking for:

- 2-year (120 ETCS) MSc degree by the time of employment - motivation in functional and evolutionary genomics - experience with molecular genetics and/or genotype-phenotype associations - experience with bioinformatics and/or a strong will to learn - an open mind and a team spirit - good communications skills in English

Ideally, these skills would be documented through peer-reviewed publications or other academic work (e.g. Master's or Bachelor's thesis, course reports, etc.). Applications are warmly welcomed even if the candidate lacks these skills or formal documentation of them.

What we offer:

- The annual salary for doctoral researchers (code 1017) is set at NOK 550 800,- in the Norwegian State Salary Scale. - Benefits from the Government Pension Fund, like better deals on loans, insurance, and pensions - Creative and collegial working environment - A workplace with progressive development - Flexible working hours

Application:

Applications must be submitted electronically by 15.10.2025 through JOBBNORGE following the link below

https://www.jobbnorge.no/en/available-jobs/job/-282760/phd-position-in-functional-genomics-of-atlantic-salmon The application should include:

- Application letter with description of your motivation for applying for the position - Complete CV (education, work and teaching experience and overview of any scientific publications) - Copy of diploma for both bachelor and master education and relevant certificates - Copy of the applicant's master's thesis as a PDF file - Name and contact information of 1-3 references including the supervisor of their MSc thesis (name, your relation to the person, email and phone number) - All documents must be uploaded as attachments to the electronic application form.

Questions can be addressed to:

Dr. Jukka-Pekka Verta Associate Professor Faculty of Biosciences and Aquaculture Nord University, Norway jukka-pekka.verta@nord.no

Jukka-Pekka Verta <jukka-pekka.verta@nord.no>

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RutgersU MicrobialEcoEvo

Ph.D. position in microbial ecology, evolution, and systems biology

Application review begins October 1, 2025

WHO ARE WE? We are the Quantitative Evolutionary Microbiology Lab (https://qevomicrolab.org), led by Dr. Michael Manhart. The QEM Lab aims to understand the fundamental principles of evolution in microbes. To this end we work at the interface of microbiology, ecology, evolution, and systems biology using a combination of experimental, computational, and theoretical approaches. Our lab currently consists of three postdocs, one Ph.D. student, one master's student, and two undergraduate students. We are based at Rutgers University in the Center for Advanced Biotechnology and Medicine, an interdisciplinary life science research institute. We are also affiliated with the Rutgers University Microbiome Program.

WHO ARE WE LOOKING FOR? We are looking for a

Ph.D. student to start in the fall of 2026. You should have a strong interest in studying the fundamental biology of microbes using experimental and computational approaches. By fall of 2026, you must have a bachelor's degree in a biological or quantitative discipline, including (but not limited to) biology, physics, chemistry, or engineering. We strongly encourage applications from a diverse range of candidates, even if you don't think you're a perfect fit.

For more information on what we look for in new lab members, please see our lab's website: https://-qevomicrolab.org/20240329.html WHAT DO WE OFFER? As a Ph.D. student in our lab, you will develop and conduct research projects, present at local and international meetings, write papers, and apply for funding. Current major research directions in the lab include the effect of ecological interactions on adaptation in microbial communities and the evolution of microbial population dynamics, but the position will allow for flexibility in developing new directions in accordance with your interests and the broad goals of the lab. Your research will involve a combination of experimental and computational components.

We offer competitive stipends and outstanding benefits, including comprehensive health insurance. Ph.D. students in good standing can expect to receive full financial support for the duration of their Ph.D. (5-6 years).

WHERE ARE WE? Rutgers University is the eighth-oldest institution of higher education in the US and now one of the largest, with approximately 20,000 graduate students and over 8,000 faculty. Our center is based on the Piscataway/New Brunswick campus in New Jersey, part of the New York metro area and one of the most culturally and naturally rich parts of the country. We have convenient connections to the NJ Transit and Amtrak rail networks as well as to Newark Liberty International Airport.

HOW TO APPLY? You must first apply for sponsorship from our lab using this link: https://forms.gle/-38pPS1Ky84HBo78S9 . The first page consists of a few short questions about your background and interests in the position. The second page requests some biographical information including your education history. Do NOT submit other application materials (cover letter, CV, reference letters, etc.) by e-mail we will request these later if needed. We will interview selected candidates by Zoom during the month of October.

If our lab decides to sponsor your application, you must then also apply to an affiliated Rutgers graduate program by the following due dates:

- Molecular Biosciences/Microbiology and Molecular Genetics (December 1, 2025) - Ecology and Evolution (December 1, 2025) - Microbial Biology (December 15, 2025) - Physics and Astronomy (January 1, 2026) - Quantitative Biomedicine (January 15, 2026)

You must check any program-specific requirements (e.g., GRE exams) before applying.

WHEN TO APPLY? Apply by October 1, 2025 to receive full consideration for our lab's sponsorship, and, if selected, apply to a specific graduate program by the above dates. If you have questions, please contact Dr. Michael Manhart at mmanhart@rutgers.edu.

Michael Manhart <mmanhart@rutgers.edu>

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Seville Spain AmphibianViviparityEvolutionGenomics

PhD Position Opening on Amphibian Genomics and Evolution

Where: Biological Station of Doñana - CSIC, Seville, Spain (www.ebd.csic.es) What: 4-year PhD fellowship in Evolutionary Biology and Genomics. When: Call is open now! Final candidate selection October-November 2025

We at the Amphibian Genomics and Evolution Lab (www.evoamphibia.com) of the Biological Station of Doñana (EBD-CSIC, Seville, Spain) are offering a 4-year, fully funded doctoral candidate contract. This project endeavours to uncover the genomic, transcriptomic and phylogenomic signatures and consequences of viviparity evolution in the charismatic anuran genus Nectophrynoides endemic to the Eastern Arc Mountains of Tanzania. By comparing this amphibian system to other vertebrates, we wish to understand how functionally similar, complex traits can evolve under different ecological circumstances and evolutionary constraints.

Learn more about the project and the research team here: https://www.evoamphibia.com/project/gravid/-index.html Find out how to apply here: https://-www.evoamphibia.com/news/grad-student-search/

What we offer: - 4-year, fully funded PhD contract, starting in early 2026 (PIX2025 Predoctoral Fellowship granted by the Spanish Ministry of Science). - This PhD offers excellent future career prospects - arming

the candidate with the cutting-edge tools in a changing/exciting field for a successful career in genomics. - The opportunity to enjoy a vibrant, research-focused institute working atmosphere, with access to scientific seminars, courses and workshops. - Tropical herpetological fieldwork opportunities. - Ample networking opportunities with an international network of collaborators (Natural History Museum - London, University of Dar es Salaam, University of Glasgow, New York University - Abu Dhabi, University of Halle).

Requirements: - Bachelor's and Master's Degree in Biology (or related disciplines). - Proficiency in English (written and spoken). - A keen interest in genomics/bioinformatics and/or evolutionary biology.

Valued additional skills: - Familiarity with at least one programming language (preferably R or python). - Tropical field work experience. - A track record/experience in one of the following areas: - comparative genomics - transcriptomics - phylogenomics - molecular ecology

How to apply: Pre-selection of candidates is starting immediately, with position remaining open until filled. Official selection process likely to take place in October-November 2025, but candidates are strongly advised to submit expressions of interest by September 30th.

Interested applicants should send the following documents to christoph.liedtke@ebd.csic.es: - A short motivation letter of why this project is meant for you (1-2 pages). We care most about personal motivation and genuine interest, so please do not use LLM-generated text. - CV. - Two references we can contact (name, email address and your relationship to this person). - Academic transcripts (short versions - if available).

Christoph Liedtke <christoph.liedtke@ebd.csic.es>

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Seville Spain EvolutionaryBiologyGenomics

Call for a PhD Position in Evolutionary Biology at Doñana Biological Station, CSIC < https://www.ebd.csic.es/en >, Seville, Spain

Project: Timing of amphibian development: Processes, outcomes and links to ecology and evolution(TADPOLE)

- 4-year fully funded contract for a doctoral candidate to obtain a PhD studying the evolution of developmental plasticity in spadefoot toads, combining fieldwork, experimental work with tadpoles, ecophysiology, and functional genomics. - Supervised by Dr. Ivan Gomez-Mestre, and joining the Ecology, Evolution and Development Group < https://www.eco-evo-devo.com/ >. - The contract has associated funding to cover short term stays at international R&D centers to train in further developing specific skills, taking advantage of a wide network of international collaborators. - Tuition fees for doctoral studies at a Spanish University will also be covered.

Project description A major challenge in evolutionary biology is to understand how environmentally-induced changes in the regulation of development can evolve under selection into constitutive differences in adaptive traits. We will use the evolution of developmentally plasticity in spadefoot toads as a study system to understand the link between phenotypic plasticity and adaptive divergence across populations. This PhD project will focus specifically on the developmental plasticity of amphibian larvae in response to two main environmental factors: predation risk and risk of pond drying. It will be a highly integrative project, addressing fundamental aspects of phenotypic plasticity, such as adaptation to multiple environmental drivers, trade-offs underlying antagonistic responses, and plasticity costs. The project contemplates sampling spadefoot toad populations in different regions of Spain, including Doñana National Park, and experimentally modifying environmental conditions over the course of development. Using ecophysiological approaches and functional genomics, we will seek to understand the mechanisms allowing amphibian larvae to integrate environmental inputs and generating appropriate phenotypic responses, comparing populations that have diverged in their degree of responsiveness.

Requisites - Master's degree in Biology (MSc) - High motivation to pursue a career in evolutionary biology - Advanced English speaking and writing skills - Experience in bioinformatic/genomic analyses will be valued

When to apply Pre-selection of candidates is starting immediately, with position remaining open until filled. Official selection process likely to take place in October-November 2025, but candidates are strongly advised to submit expressions of interest by October 5th.

Interested applicants should send the following documents to igmestre@ebd.csic.es: - CV, indicating two referral contacts (name and email address). - A motivation letter stating your interest in pursuing a scientific career and your interest and adequacy for this project in particular. Please refrain from using LLM-generated text, as we value genuine scientific motivation.

Ivan <igmestre@ebd.csic.es>

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TexasAMU PlantMicrobeInteractions

PhD and MS positions in plant-microbe interactions at Texas A&M University - Corpus Christi The Lumibao Lab (https://candicelumibaolab.com) in the Department of Life Sciences, Texas A&M University - Corpus Christi is looking for prospective PhD and MS students to begin in either in the Spring or Fall 2026. The student's research focus will have flexibility but will primarily focus on either of these three themes (depending on students' interests): eco-eco of plant-microbe interactions, microbial interactions and community dynamics and applications of emerging technologies against plant pathogens. Applicants should be highly self-motivated and have at least one year of research experience. Strong applicants will have some experience in molecular/microbial work, field experience, bioinformatics and in statistical computing (e.g., experience using R). For PhD applicants, preference will be given to those with MS degree. Positions are funded through combination of RAship (grants and fellowships) and TAship.

More information on the department and program can be found here: https://www.tamucc.edu/science/-departments/life-sciences/marine-biology/ . Qualifications: Applicants should be highly self-motivated and have at least one year of research experience. For PhD applicants, preference will be given to those with MS degree. Strong applicants will have some experience in molecular/microbial work, fieldwork and in statistical computing (e.g. experience using R) or bioinformatics.

How to apply: Interested applicants should send via email a 1) brief statement of interest or cover letter describing experience, why your interest fits the Lumibao lab and general career goals, (2) CV (3) unofficial transcript, preferably by October 10, 2025, to Candice Lumibao: candice.lumibao@tamucc.edu

Candice Y. Lumibao (PhD) Assistant Professor Tidal Hall 333 Department of Life Sciences Texas A&M University - Corpus Christi Phone: 361 825 3477

"Lumibao, Candice" <candice.lumibao@tamucc.edu>

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UArizona HostParasiteEvol

PI Sabrina McNew is recruiting prospective MS and PhD students to join her lab in Fall of 2026. Students will join the graduate program in Ecology and Evolutionary Biology at the University of Arizona. Our lab is a collaborative, diverse, and hard-working group that is fascinated by birds and their parasites and pathogens. We employ diverse methods to learn more about host-parasite interactions including: field ecology, captive experiments, genomics, immunology, and statistical analyses. For more information visit mcnewlab.com/contact

mcnew@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>

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UArkansas EvoDevo

Graduate position: PhD/MS Positions at the University of Arkansas studying eco-evo-devo and phenotypic plasticity

The Levis lab at the University of Arkansas is seeking graduate students for the Fall of 2026. The lab's work broadly stems from the central premise that phenotypes are not wrought by genes alone. The ultimate source of phenotypic variation is developmental innovation, which depends on genetic and environmental factors. Nowhere is this point more apparent than by the widespread existence of a phenomenon known as phenotypic plasticity, which is the ability of organisms to produce multiple phenotypes in response to environmental variation. Our research strives to understand how genes and environment influence phenotype production within and between generations by investigating the developmental, ecological, and evolutionary causes and consequences of phenotypic plasticity.

As a model for understanding plasticity evolution more generally, the Levis lab uses species of spadefoot toad and shark-tooth nematode that exhibit an extreme form of plasticity?resource polyphenism?that is characterized by development of alternative morphs that utilize different diets. Although we are broadly interested in plasticity, some of our current foci include 1) Uncovering plasticity's molecular bases in a complex natural system, 2) determining how constraints on plasticity affect its evolution, and 3) clarifying how nongenetic inheritance influences the evolution of plasticity. These topics are addressed using a variety of approaches ranging from experimental evolution and microcosm competition to functional genetics and transcriptomics.

Required Qualifications:

- B.S. in evolutionary biology, genetics, ecology, zoology, or related field

- A strong work ethic, drive, and motivation to succeed

- Strong verbal and written communication skills

- Experience in field-based wildlife research

- Experience in basic laboratory techniques, good organizational skills, and attention to detail

- Ability to work independently and as a productive member of a research team

Preferred Qualifications:

- Experience programming in R and using bioinformatics tools

- Background or interest in amphibian or nematode evolutionary genetics / genomics

- Experience with amphibian or nematode husbandry

- Experience in a wet lab environment, especially molecular/development biology techniques

Interested students should visit the lab website (https://-/levisna.wixsite.com/nicholasalevis) and contact Dr. Nicholas Levis (nlevis@uark.edu) with a: (1) CV, (2) description of research interests emphasizing alignment with the lab's focus, and (3) any relevant transcripts and test scores (e.g., GRE, TOEFL/IELTS).

Nicholas Levis, PhD Assistant Professor of Evolutionary Biology Department of Biological Sciences University of Arkansas Fayetteville, AR 72701 Website: http://-levisna.wixsite.com/nicholasalevis nlevis@uark.edu

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UArkansas QuantGenetics Drosophila

The Zhuang Lab (https://biology.uark.edu/directory/-?uid=xz036) in the Department of Biological Sciences at the University of Arkansas is recruiting a PhD student with full financial support starting Fall 2026. We are excited to announce that our lab has recently been awarded an NIH MIRA to study Gene-Environment Interactions in Complex Traits via Multi-Omics Approaches in Drosophila (https://reporter.nih.gov/-search/GaYhHxAsN0OPzqCAFwITWQ/projects.)

We combine quantitative genetics, molecular evolution, population genetics, multi-omics and bioinformatics approaches in both model (e.g., Drosophila) and non-model organisms. We are looking for highly motivated students eager to tackle fundamental questions at the interface of evolutionary genetics and biomedical research. This is an excellent opportunity to join a vibrant, collaborative, and growing research group supported by federal funding.

To apply, please contact Dr. Xuan Zhuang (xz036@uark.edu) with: 1.â€â€â€âCV 2.â€â€â€âcover letter describing your research interests, relevant experience, and how they align with the lab's research focus 3.â€â€â€âtranscripts 4.â€â€â€âscores (optional) 5.â€â€â€â/IELTS scores (if international applicant) 6.â€â€â€âinformation for two to three references

Minimum Requirements -â€â€â€â€â.S. or M.S. in Biology or a related field -â€â€â€â€âmotivation and commitment to scientific rigor -â€â€â€â€âability to work both independently and as part of a collaborative research team

Preferred Qualifications (not required, but a plus): -â€â€â€â€âbiology skills -â€â€â€â€âin genetics and evolution -â€â€â€â€âwith Drosophila research -â€â€â€â€âwith R for data analysis -â€â€â€â€âto omics data analysis (genome, transcriptome, metabolome, etc.)

Application Information: -â€â€â€â€âof Biological Sciences Graduate Program: https://-biology.uark.edu/academics/graduate/graduate-application.php -â€â€â€â€âand Molecular Biology Program: https://cell.uark.edu/info-for-applicants/-index.php -â€â€â€â€âSchool Admissions: https://-/catalog.uark.edu/graduatecatalog/admissions/ -â€â€â€â€âFellowships at UA: https://graduate-students.uark.edu/cost-and-funding/ About the University & Region: The University of Arkansas (R1, land-grant, founded in 1871) is located in Fayetteville, a safe, welcoming community with a low cost of living and consistently ranked among the best places to live in the U.S. Surrounded by Fortune 500 companies, a vibrant arts scene, and stunning natural beauty, Fayetteville offers both strong professional opportunities and an excellent quality of life.

Xuan (Shaine) Zhuang, PhD Assistant Professor

Department of Biological Sciences

University of Arkansas

Fayetteville, AR 72701

https://zhuangxuan.wixsite.com/home Xuan Zhuang <xz036@uark.edu>

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UCalifornia Davis LandscapePlantEvolution

Dear Colleagues,

I am recruiting for a fully funded PhD student to join my group in the Department of Environmental Science and Policy at UC Davis. I welcome applicants with broad interest in theoretical ecology, ecohydrology, or biogeomorphology and I am excited to develop specific projects collaboratively with the student.

Possible research directions include ecosystem spatial self-organization, vegetation pattern formation, and coupled landscape-plant evolution. Strong applicants will have excellent mathematical and numerical skills, as well as a passion for tackling big questions at the intersection of disciplines, by combining modeling with data.

More information about research in my group can be found here: https://xdong05.github.io. Please encourage any interested students to reach out to me (xldong@ucdavis.edu) to discuss opportunities and research interests.

Thank you, and apologies for any cross-listing.

Best regards,

Xiaoli Dong Associate Professor Department of Environmental Science and Policy, UC Davis

Xiaoli Dong <xldong@ucdavis.edu>

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UCentralFlorida ParasiticWaspEvolution

Title: Funded Ph.D. positions in comparative genomics, bioinformatics, and evolution of parasitic wasps

The Sharanowski lab at the University of Central Florida loves parasitic wasps, nature, field work, museums, and everything insects! Currently, we are seeking a Ph.D. student to work on comparative genomics, bioinformatics, and evolutionary projects focusing on parasitic wasps in the superfamily Ichneumonoidea. A background in genomics, genetics, evolution, statistics and/or molecular biology would be ideal. Experience in basic programming(Python, R, C, and/or Perl) is important, though interest and willingness to learn are also valuable. Students with a biology, math, or a computer science degree are highly encouraged. Students with master???s degrees and previous publications (or in prep) are preferred, but please reach out if these topics are of interest to you but you???re not sure you have the entire set of skills.

PhD students are supported via a graduate teaching assistantship (GTA) from the Biology Department and are supplemented with summer salary from the Sharanowski Lab for full stipend support including tuition coverage and health insurance benefits. International students are welcome to apply. Interested applicants are encouraged to email Dr. Sharanowski by November 15th(sooner is better) with a

A brief CV outlining research and educational experience and relevant skills with 3 names of academic references includedPlease include your GPA on your CV (feel free to explain) and note a GPA of 3 is the absolute minimum. A short description of your research interests including why you want to join the Sharanowski Lab.Please note, while LLMs like ChatGPT are great tools, please make sure your email reads like it came from you, that is displays your interest and knowledge of recent activities and publications in the lab (https://-/tinyurl.com/bzsaxac9, and is not overly generalized.

Dr. Sharanowski will only contact suitable applicants for a zoom interview to assess a good fit between the available projects and student and advisor. Applications to UCF are due Dec 1st, 2025. The University of Central Florida is a large university and a designated Hispanic serving institution. Students from all backgrounds are encouraged to apply. Orlando is a diverse and beautiful city and the department, campus and city have supportive communities.

Dr. Barbara Sharanowski Professor, Department of Biology University of Central Florida barb.sharanowski [at] ucf.edu

Barbara Sharanowski <Barb.Sharanowski@ucf.edu>

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UFreiburg ForestAdaptation

The Professorship of Forest Genetics seeks to hire a Doctoral Researcher (m/f/d)

Application deadline: 20. September 2025 Start of the project: as soon as possible

Description of the project The international DFG Research Training Group FORSCALE "Scale effects in Forest Adaptation to Climate Change" explores how forest ecosystems can be actively adapted to climate change. The German-Canadian doctoral programme integrates ecological, social, economic, and legal perspectives across multiple scales - from molecular processes to landscapes, and from local to political levels. Forests are understood as complex adaptive systems in constant interaction with society and the environment.

In the subproject "Adaptation and acclimation of forest trees to late spring frost under climate change", we aim to integrate molecular and ecophysiological data to understand the adaptation and acclimation strategies to late-spring frost (LSF), with direct implications for predicting forest vulneratbility under climate change. We will expose seedlings of European and Canadian tree provenances to LSF to characterize susceptibility across phenological stages. We will screen gene expression with RNAseq and qPCR analysis (for time-series analysis). In addition, we will study chlorophyll fluorescence, stomatal conductance, and electrolyte leakage during and after stress exposure to characterize tissue damage. Thus, the project is a combination of field work (collection of seeds and plant material), experiments in greenhouses and climate chambers (including the ecophysiological measurements), lab work (RNA extractions, qPCR) and bioinformatic analysis, to address pressing questions regarding LSF resistance of diverse tree provenances under climate change.

The programme is research-oriented and structured, in close cooperation with six Canadian universities. Doctoral candidates are expected to spend several months in Canada and work closely with local researchers at Lakehead University and the Canadian Forest Service. In Freiburg, you will be part of the Eva Mayr-Stihl Professorship of Forest Genetics, a young and international team investigating the molecular basis of forest adaptation and acclimation (https://uni-freiburg.de/-enr-forgen/).

If you would like to join the FORSCALE team and hold a Master's degree in Forestry, Biology, Environmental Sciences or a related field, and are experienced in some of the abovementioned tasks and willing to learn the others, please apply by 20 September with the following documents in a single PDF file:

* Cover letter with research interests * CV and academic certificates * Example of a scientific work (English preferred) * Contact details of at least two references * The position is limited to 3,5 years The salary will be determined in accordance with TVL13.

We will be particularly pleased to receive applications from women for the position advertised here.

Please submit your application at the online portal linked here: https://uni-freiburg.de/stellenangebot/-00004501/ For further information, please contact Prof. Dr. Katrin Heer on the phone number +49 761 203-3647 or E-Mail katrin.heer@forgen.uni-freiburg.de.

Prof. Dr. Katrin Heer Forest Genetics

Albert-Ludwigs-Universität Freiburg Faculty of Environment and Natural Resources Bertoldstraße 17, 79098 Freiburg i. Br., Germany

Phone: +49 761 203 3647 www.katrin-heer.de Katrin Heer <katrin.heer@forgen.uni-freiburg.de>

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UGroningen SocialAgeing SeychellesWarbler

PhD Social Ageing: Social environment effects on senescence, using an epigenetic clock

The Groningen Institute for Evolutionary Life Sciences (GELIFES - https://www.rug.nl/research/gelifes/) offers a 4-year NWO M1-funded PhD position for a project on "Social Ageing: Social environment effects on senescence, using an epigenetic clock", with the Seychelles warbler (Acrocephalus sechellensis) as a model system.

The project is supervised by Prof. Hannah Dugdale (University of Groningen), Prof. David S. Richardson (University of East Anglia, UK) and Prof. Kees van Oers (Netherlands Institute of Ecology). The project is in collaboration with Profs Jan Komdeur (University of Groningen) and Terry Burke (University of Sheffield, UK), as part of the Seychelles warbler research group.

The student will join a lively and highly international team of PhD and Master's students working on ecology and evolution in wild animals, supported by laboratory and analytical technicians.

Social interactions (stemming from the social environment) can delay or exacerbate an individual's ageing (the decline in function in later life), but as individuals age, their social environment also changes. Why social environment effects impact ageing is obscure, probably because we lack detailed natural-population studies, and because past studies have largely focused on chronological rather than biological age (i.e., a measure of physiological deterioration reflecting future life expectancy).

Social Ageing will overcome these limitations using a long-term dataset of a discrete population of cooperatively breeding birds, where survival and reproductive success are accurately measured, which is vital for studying ageing but is rare in wild populations. We will analyse longitudinal changes in social networks and biological age (using an epigenetic clock) within individuals to reveal the effect of social stress on ageing. In particular, we will estimate genotype-by-age effects on sociality, investigate the genetic architecture of sociality (e.g. GWAS and regional heritability), estimate selection on sociality, and evaluate social environment effects on senescence. Importantly, this knowledge will advance our understanding, in evolutionary biology, conservation and medicine, of how social stress causes ageing and can potentially be mitigated in animals.

The candidate will be required to:

Design, plan and conduct a programme of investigation, in consultation with the supervisors. Produce a PhD thesis, written in English, consisting of four data chapters, an introduction and a discussion at the level of international scientific journals. Disseminate the research through publication in leading peer-reviewed journals, presentations at international conferences, outreach, social media etc. Conduct fieldwork over three field seasons, of up to three months per season. Conduct laboratory work to develop a biological clock using a methylation approach. Collaborate with other researchers on the long-term project and other relevant groups. Contribute to teaching 10% of the time, by supervising BSc and MSc students, and assisting on courses.

Organisation Founded in 1614, the University of Groningen enjoys an international reputation as a dynamic and innovative institution of higher education offering high-quality teaching and research. Flexible study programmes and academic career opportunities in a wide variety of disciplines encourage the 33,000 students and researchers alike to develop their own individual talents. As one of the best research universities in Europe, the University of Groningen has joined forces with other top universities and networks worldwide to become a truly global centre of knowledge.

Qualifications

We are looking for a candidate who:

Holds a Master degree in evolutionary biology (or will graduate before appointment date), ideally with distinction, and one year of research during the Master. Is curiosity-driven and passionate about fundamental research in the context of evolutionary biology and ecology. Has strong bioinformatic skills (python, ideally experience with methylation data). Has strong quantitative skills (analyses of long-term data, modelling and statistical analyses, particularly quantitative genetics, ideally in the R environment). Is proficient in English and meets the university's English language requirements (https://www.rug.nl/(...)requirements?lang=3Den) The ideal candidate will also have:

Data wrangling experience in extracting data from databases (e.g. Access) or large datasets. Fieldwork experience on birds (mist-netting, colour-ring reading, behavioural observations) in a harsh environment. Laboratory skills in the field of molecular ecology (e.g. DNA extraction and quantification, PCR, library prep). Written at least one scientific publication.

— / —

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

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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URhodeIsland AvianEvolution

The Harvey Lab at the University of Rhode Island is recruiting a PhD student in wildlife disease ecology to start in Fall of 2026. We seek one highly motivated students with experience working with wild birds, pathogens, immunology, transcriptomics and potentially nutritional ecology. We particularly encourage candidates who are from poorly represented backgrounds in Biology to apply. We will assess candidates based on the alignment of their research interests, shared values, experience, and their preparedness to undertake a long-term, independent research project.

Students will have 5 years of guaranteed support through a combination TAships/RAships. They will be encouraged to apply for independent fellowships. Students are accepted through the Biological and Environmental Sciences Graduate Program either through the Ecology and Ecosystems specialization or the Evolution and Marine Biology specialization. URI is located in Kingston which is small but in close proximity to beaches, lots of outdoor recreation, and birding.

The Harvey lab is recruiting students interested in avian diseases with projects integrating immunology, immunogenetics, transcriptomics, evolutionary genetics, conservation genetics.

The labs research aims are to: - Understand the evolutionary mechanisms involved in immune response (immunogenetics) in the wild - Identify emerging disease drivers of wildlife decline and inform conservation management - Identify wildlife disease dynamics in the contexts of multiple anthropogenic drivers

Please visit the Lab website for more information: https://jharvey.netlify.app MINIMUM QUALIFICATIONS: - B.S. Degree in evolutionary biology, molecular biology, conservation genetics, bioinformatics or a related field - Preference will be given to candidates with an M.S. degree in an related field - experience with statistics, R, and command line - able to begin Fall 2026

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

APPLICATION PROCESS: To apply, please send Dr. Johanna Harvey (j_harvey@uri.edu) a copy of your CV,and a one-page cover letter explaining your background and path to research, any research outcomes to date or relevant experience, your future research interests and expectations, potential career goals, and what type of research projects you would envision developing in my lab. Please, also include unofficial academic transcript and the name and email, phone numbers for three professional references. Please include "Graduate Student Application 2026" in the email subject line.

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

Johanna Harvey <j_harvey@uri.edu>

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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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UToulouse RodentiBiodiversity

5-6 months internship (2ndyear master-level) on the diversity dynamics of the Dipodoidea (rodent) at the University of Toulouse, France

Deadline to apply: September 30,2025.

The internship will address a fundamental question in evolution: Why some clades are poor in species richness? The fact that the tree of life is highly unbalanced with clades with more species than others has attracted a lot of attention in the last decades in the scientific community. Nonetheless, most of the studies focus on groups with exceptional diversity (e.g Angiosperms) or recent adaptive radiations (such as cichlids orAnolislizards), and fewer studies have been devoted to species-poor clades. We propose to study here the processes leading to species-poor clades.

Based on the fossil record and a new time-calibrated phylogeny of the rodents Dipodoidea (53 extant species), which is the sister clade of Muroidea (1500+ species), this internship will test competing hypotheses to explain the low richness of the clade. Previous diversification analyses based on fossils and phylogenies both suggested that the diversity of the group have been expanding and then declining.

Based on both fossil and phylogenetic information, the internship will investigate this decline and will test two main hypotheses. As the clade is mainly distributed in dry habitats of the Northern Hemisphere, the candidate will test with temperature-dependent models whether speciation rates correlate with cooling climate (the latter being a proxy of expansion of dry areas). He/She will also test whether the evolution of limbs adapted to desert environments (from quadrupedal ancestors to fully bipedal species today) may have caused shifts in diversification rates.

The student will be mainly supervised by Jonathan Rolland (CRBE, Toulouse), Robin Aguillée (CRBE, Toulouse) and Fabien Condamine (ISEM, Montpellier), in close collaboration with the researchers from the ROMA ANR project, such as Raquel Lopez-Antonanzas (ISEM, Montpellier).

At a more local scale, the intern will be based at the Centre de Recherche sur la Biodiversité et l'Environnement (CRBE) in Toulouse. Our laboratory combine genetics/genomics, phylogenetics, niche modelling, paleontology and computational methods to study the spatial and temporal pattern of biodiversity on earth.

Toulouse is the main city in the South-West of France with a living atmosphere, located one hour from the Pyrenees mountains, two hours away from Montpellier and three hours from the Atlantic Ocean.

Gross monthly salary will be 600 euro .The successful candidate is supposed to move to France (ideally from the beginning of 2026).

Please send your application including (1) a short statement (˜1 page) that describes your research accomplishments and motivation for applying, including the contact information for one reference (2) a CV. Please send a copy to Jonathan Rolland (jonathan.rolland@utoulouse.fr), Robin Aguilée (robin.aguilee@utoulouse.fr) and Fabien Condamine (Fabien.condamine@umontpellier.fr) as single PDF.

For more information on the research in our respective labs, please consult:

https://jorolland.wordpress.com,https://-/robin-aguilee.univ-tlse3.frhttps://-fabiencondamine.organdhttps://crbe.cnrs.fr . Jonathan Rolland <jonathan.rolland@univ-tlse3.fr>

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UValencia SexualSelection

PhD Student- Sexual selection in complex environments

We are looking for a candidate for a PhD fellowship (4 yrs). The position would be based at Dr. Pau Carazo's research group at the Cavanilles Institute for Biodiversity and Evolutionary Biology of the University of Valencia (Spain), but the student would also have the opportunity to conduct several long (4 months or more) stays at Uppsala University (Sweden), in Dr. David Berger's group.

The project aims to understand how habitat heterogeneity modulates sexual selection and sexual conflict, ultimately promoting or limiting adaptation to novel environments. In the wild, organisms have evolved to reproduce under dynamic ecological conditions, but we largely ignore how such habitat complexity affects different mechanisms and episodes of sexual selection, arising trade-offs, and the nature of standing genetic variation for fitness. This information is crucial to disentangle

the effects of sexual selection on organism phenotypes, populations viability, and the potential for adaptation. The work will be conducted using the insect models Drosophila melanogaster and Callosobruchus maculatus combining behavioural and fitness assays, experimental evolution, and genomic analyses.

We are looking for candidates with a keen interest (and ideally some background) in evolutionary biology and animal behaviour.

The PhD will be funded by an FPI fellowship by the Spanish Government (awarded to Dr. Carazo), and is open to candidates that have finished a MSc (or are due to finish this year). Monthly (net) salary is ~1300 euro during the first/second year, ~1500 euro during the third year and ~1600-1700 euro during the fourth year, with the possibility of transitioning to a post doc position during the fourth year if the PhD finishes before the end of the 4yr fellowship. The fellowship also comes with added funding for research stays. Candidates should send a CV and an expression of interest to Pau Carazo (University of Valencia; pau.carazo@uv.es) or David Berger (david.berger@ebc.uu.se).

The deadline for applications is the 30th of September.

Pau Carazo <pau.carazo@uv.es>

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

Jobs

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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APRI CrustaceanComparativeGenomics

Are you an experienced comparative genomics scientist who would be interested in analyzing a crustacean genome for affective welfare homologs?

The Animal Pain Research Institute (APRI) is seeking a comparative genomicist to analyze the shrimp genome for loci and regulatory elements that are associated with nociception and other affective traits (e.g. pain sensitivity, anxiety-like phenotypes) in different species. Co-authorship on a preprint/manuscript is expected.

Ideal background: arthropod genomes (decapods/crustacea/Drosophila), comparative genomics expertise, familiarity with pain/affective neurogenetics literature, and one or more of: selection scans and gene-family evolution (TRP/NaV/ASIC); comparative transcriptomics; regulatory inference (putative cis-elements); behavioral GWAS curation/ontology mapping; quantitative-genetics framing for breeding flags; and fully reproducible pipelines (Snakemake/Nextflow, containers).

Continuation option: on successful completion of the project, we would be happy to consider you (or your senior lab member) for a salaried "Comparative Genomicist: Pain and Welfare Lead" role (https://www.animalpainresearchinstitute.org/-comparative-genomicist).

To express interest: email your CV/ORCID, two relevant papers, and any constraints to nil@animalpainresearchinstitute.org. Rolling reviews.

About APRI

APRI (https://www.animalpainresearchinstitute.org) is an interdisciplinary research 501(c)(3) nonprofit dedicated to uncovering the neurological and genetic underpinnings of clinically unnecessary pain across species. We work to develop and deploy effective animal breeding and therapeutic options.

Alexandr "Nil" Shchelov Research Administrator < https://www.animalpainresearchinstitute.org/ >

nil@animalpainresearchinstitute.org

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ArkansasStateU PlantEvolution

The Department of Biological Sciences at Arkansas State University invites applications for a tenure-track Assistant Professor position in Plant Biology. This position is a full time, 9-month appointment and will begin August 16, 2026.

The successful candidate will be expected to establish an externally-funded research program that uses innovative approaches to address fundamental questions in plant biology. We welcome applicants from across the field of plant biology, but are particularly keen on individuals with expertise in plant systematics, plant evolution, plant ecophysiology, and/or plant pathology. A start-up package and dedicated laboratory space is available with this position. Resources available to the successful candidate include the Arkansas State University Herbarium (STAR) and the Arkansas Center for Biodiversity Collections (ACBC). Several avenues for collaborative research at A-State are available with researchers at the Arkansas Biosciences Institute (ABI), Arkansas Natural Heritage Commission, the Arkansas Game and Fish Commission, and local agricultural entities. There are also numerous state parks, natural areas, and access to field sites in the region that are ideal for conducting field research.

The successful candidate will also teach undergraduate and graduate courses in the biological sciences, with an emphasis on courses in plant biology such as introductory plant biology, plant systematics, plant pathology, plant physiology, mycology, evolution, or other courses in their specific area of expertise. The candidate will also be expected to mentor graduate and undergraduate students in their area of research expertise.

Visit the following link to apply: https://phe.tbe.taleo.net/phe02/ats/careers/v2/viewRequisition?org=ARKASTAT2&cws=40&rid=37583 Please note: all position postings close at 12:00 A.M. CST on the position closing date

For any questions, please contact the Search Committee Chair, Dr. Drew Sweet, at asweet@astate.edu. Review of applications will begin November 1, 2025 and continue until the position is filled.

Arkansas State University is a comprehensive, state-supported, doctoral university with high research activity (R2). Faculty members in the Department of Biological Sciences engage in research and interact with the nearly 500 undergraduate and 60 Ph.D. and Masterï¿½s students across Biology, Environmental Sciences, and Molecular Biosciences. Jonesboro is a community of nearly 80,000 people located in northeast Arkansas, amidst the Mississippi Alluvial Plain and Crowleyï¿½s Ridge ecoregions. We are an hour away from Memphis, Tennessee and the Ozark Highlands. Jonesboro boasts a regional center for quality healthcare, a variety of dining and entertainment options, a low cost of living, and plenty of recreational opportunities.

Arkansas State University is an equal employment opportunity employer committed to excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

Minimum Qualifications: Candidates are required to hold a Ph.D. at the time of appointment in a relevant field. At least one year of postdoctoral experience is preferred.

Please submit a cover letter, CV, 3-page research statement, 2-page teaching statement, and contact information for three references.

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

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CityCollege NewYork EndowedDeanship

Dean - Division of Science (ad: https://-cuny.jobs/new-york-ny/dean-division-of-science/-B836325B38484CB18D92288C6156C346/job/)

POSITION DETAILS

The City College of New York (CCNY) seeks an exceptional leader to serve as the next Martin & Michele Cohen Dean of Science. The endowed Deanship leads the Division's five departments of Biology, Chemistry & Biochemistry, Earth & Atmospheric Sciences, Mathematics and Physics. As the chief academic officer for the Division, the Dean will set the standard for intellectual engagement and accomplishment, provide strategic vision and operational leadership to all aspects of the academic and scholarly programs, and create an environment and community that support the Division's faculty, staff and students. In concert with the faculty, the Dean will be responsible for student and faculty recruitment, retention and diversity. Supporting the Division's research mission, the Dean will promote opportunities to advance the scholarly activities of the faculty and, when appropriate, work to establish new programs, including the opportunities that interdisciplinary approaches afford through partnerships with other academic units, both within and outside the College.

Founded in 1847 CCNY is the original campus of what is now the 25 campus City University of New York. CCNY is a Carnegie-classified 'Doctoral Universities: High Research Activity' (R-2) institution that enrolls more than 15,000 students and operates in the context of the largest urban public comprehensive university in the nation.

The City College of New York is an institution of distinctive strengths: its faculty is distinguished for its scholarship and for its commitment to teaching excellence in both the liberal arts and sciences and in the professional schools. The beautiful campus, dating from 1907, expanded in 2014 with the opening of two new, state-of-the-art science buildings.

Reporting to the Provost, the Dean will serve as the principal steward for the Division's resources - faculty, staff, and students - and will oversee the Division's budget and facilities. The Dean will represent the Division broadly, serving as emissary and advocate to both internal and external constituencies.

Responsibilities of the Dean include:

- Providing strategic leadership for diverse community that comprises the Division of Science

- Supporting students and the mission of City College

- Supporting the research mission of the Division of Science

- Ensuring the effective management of financial resources, including budget planning and management

- Engaging with alumni, donors and potential donors of the College and the Division

- Strategically recruiting new faculty to build on the Division's strengths and opportunities

- Representing the Division of Science on the President's Cabinet and the College-wide Personnel and Budget Committee (Review Committee)

- Supporting Division of Science faculty through the tenure and promotion process

- Promoting professional development opportunities for Division staff

QUALIFICATIONS

This position is in CUNY's Executive Compensation Plan. All executive positions require a minimum of a Bachelor's degree and eight years' related experience. Additional qualifications are defined below by the College.

Other Qualifications:

An earned doctorate with a record of distinguished scholarship, research and teaching suitable for appointment as a tenure Full Professor in one of the Division of Science's five departments. The successful candidate will have significant administrative experience and evidence of leadership of a diverse academic community. A demonstrated ability in fundraising is highly desirable.

CUNY TITLE

Dean

COMPENSATION AND BENEFITS

Salary Range: $225,000-$250,000 (not inclusive of the endowment supplement)

CUNY's benefits contribute significantly to total compensation, supporting health and wellness, financial well-being, and professional development. We offer a range of health plans, competitive retirement/pension benefits and savings plans, tuition waivers for CUNY graduate study and generous paid time off. Our staff also benefits from the extensive academic, arts, and

athletic programs on our campuses and the opportunity to participate in a lively, diverse academic community in one of the greatest cities in the world.

HOW TO APPLY

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

Go to https://cuny.jobs/ Search for Job Opening ID number: 30901

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

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

Cover Letter

Curriculum Vitae/Resume

Contact information for three professional references

CLOSING DATE

Open until filled with review to begin on October 30, 2025.

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ColoradoStateU PlantMicrobeEvolution

PLANT-MICROBE INTERACTIONS ASSISTANT PROFESSOR, TENURE-TRACK DEPARTMENT OF BIOLOGY COLORADO STATE UNIVERSITY

POSITION: The Department of Biology at Colorado State University invites applications for a faculty position at the Assistant Professor level in the field of Plant-Microbe Interactions to join a dynamic department of diverse faculty whose research spans from the subcellular to ecosystem levels in both animal and plant systems.

We seek a creative, collaborative, and visionary plant biologist to establish an internationally recognized research program at the forefront of plant-microbe interactions aimed at understanding how these interactions contribute to plant function. We are broadly interested in applicants who integrate cutting-edge cellular, molecular, genetic, genomic, physiological, ecological, synthetic, system biology, and AI approaches to advance our understanding of interactions between plants and their associated microbial communities.

Examples of potential areas of research include but are not limited to: plant-soil feedback mechanisms, microbial modulation of plant traits, chemical and cellular signaling pathways between plants and microbes, mechanisms of microbial-mediated stress resilience in plants, engineering of plant-microbe interactions to improve plant health, and use of AI in developing predictive models of plant and soil health based on microbial composition.

This tenure-track position involves undergraduate and graduate teaching (approximately 45 percent), research and mentoring involving undergraduates and graduate students (approximately 45 percent), and service/outreach (approximately 10 percent). The applicant will be expected to develop a strong extramurally funded and collaborative research program. Colorado State University provides a highly supportive environment with opportunities to collaborate with faculty across campus and to participate in programs such as the Colorado State Microbiome Network (https://microbiomenetwork.colostate.edu/#), the Graduate Degree Program in Cell and Molecular Biology (https://cmb.colostate.edu/), the Graduate Degree Program in Ecology (https://ecology.colostate.edu), and other interdisciplinary programs. For more information about CSU in general and the Biology Department in particular, please visit the Biology Department website: https://www.biology.colostate.edu . RESPONSIBILITIES: The successful candidate will establish and sustain an innovative, extramurally funded research program focused on fundamental questions in plant-microbe interactions. They will disseminate research findings through publication in peer-reviewed journals and presentations at national and international conferences. The faculty member will contribute to the department's core teaching mission at both the undergraduate and graduate levels. They will also have the opportunity to develop a new advanced graduate-level course in their specific area of expertise.

QUALIFICATIONS: Ph.D. in biology, or a related field and evidence of a successful research program in plant-microbe interactions as demonstrated by peer-reviewed publications. Preferred qualifications include postdoctoral experience, intellectual leadership, evidence of successful grant writing, teaching/mentoring experience, and engagement in service/outreach activities.

SALARY: Salary range is $ 83000-93000

POSITION AVAILABLE: As early as August 16, 2026.

UNIVERSITY AND LOCAL ENVIRONMENT: Consistently included as one of the best places to live and work in the country, Fort Collins provides the breathtaking backdrop and home to Colorado State University. The community of about 173,000 is situated along the beautiful front range of the Rocky Mountains. Colorado State University (CSU) is a land-grant institution encompassing 57 academic departments in 8 colleges, housing more than 75 majors. It is one of the fastest-growing research universities in the country, with annual research expenditures of over $400 million and an enrollment of over 33,000 students.

There are also several state and federal research agencies in Fort Collins that contribute to the intellectual environment of the university. These include the Agricultural Genetic Resources Preservation Research Unit, the State Forest Service, the US Forest Service, the US Geological Survey, the National Wildlife Research Center, the USDA-Agricultural Research Service, the National Park Service, and the Bureau of Land Management. The University of Colorado in Boulder, the University of Colorado Health Science Center and Denver University in Denver, and the University of Wyoming are all within a one-hour drive.

To apply, submit a cover letter, Curriculum Vitae, a 3-page research statement, a 2-page statement of teaching philosophy, and three

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DuquesneU CellMolecularEvolution

The Department of Biological Sciences at Duquesne University, Pittsburgh PA, invites applications for a full-time tenure-track Assistant Professor. Successful candidates will join a group of faculty with expertise in cell biology, molecular biology, physiology, microbiology, evolutionary and ecological genetics, and neuroscience working within a robust and collaborative research environment across departments and schools on campus. Additional information about the Department can be found at http://www.duq.edu/biology. Duquesne University enrolls approximately 8,500 graduate and undergraduate students and is located in downtown Pittsburgh, which is consistently ranked among the most livable cities in the United States, with numerous educational, cultural, and recreational opportunities.

Duquesne is committed to the teacher-scholar model, where excellence is expected in both education and research. The successful applicant will establish a rigorous, externally funded independent research program that leverages modern approaches to investigate key questions in cell and molecular biology, broadly defined. Teaching responsibilities will include courses in cell biology, molecular biology, and/or immunology. Applicants are expected to mentor PhD and undergraduate students in their laboratory. Competitive salary and start-up packages are available.

Ability to establish and maintain effective working relationships with the University Community.

Ability and willingness to contribute actively to the Mission of the University and to respect the Spiritan Catholic identity of Duquesne University. The Mission is implemented through a commitment to academic excellence, a spirit of service, moral and spiritual values, sensitivity to world concerns, and an ecumenical campus community.

Requirements: Applicants must possess a PhD and have post-doctoral experience.

Application Instructions:

Applicants should submit a cover letter, CV, 1-2 page statement of research, and 1 page teaching philosophy, and arrange for three letters of recommendation. All application materials should be submitted via Interfolio at https://apply.interfolio.com/171618. Review of applications will begin October 31st, 2025 and continue until the position is filled. Please direct questions about the position to biologysearch2026@duq.edu

"Dr. Michael Jensen-Seaman" <seamanm@duq.edu>

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FordhamU EcologyEvolution

Ecology and Evolution Faculty Position at Fordham University

Applications are invited for a tenure-track position in Ecology or Evolutionary Biology at the Assistant Professor level in the Department of Biological Sciences at Fordhamï¿½s Rose Hill Campus in the Bronx, New York, beginning Fall 2026.

The applicant will conduct research in ecology, evolutionary biology or the intersection of these fields in an area that complements the existing strengths of the department. Applicants will contribute to graduate and undergraduate teaching and research mentoring.

We offer undergraduate biology majors and non-majors courses, connection with the Environmental Sciences program, MS and PhD graduate programs in Biology, and a graduate Conservation Certificate.

We have research facilities at the Rose Hill campus in the Bronx and at the Louis Calder Center Biological Field Station and are especially interested in recruiting a colleague whose research program could include research, training and mentoring activities at the station.

Members of the Department collaborate with colleagues and programs at institutions including the neighboring New York Botanical Garden (NYBG) and the Wildlife Conservation Society (WCS)/ Bronx Zoo and the American Museum of Natural History. We also work with state and local agencies. Fordham is part of the Bronx Science Consortium which includes Albert Einstein College of Medicine, Montefiore Health System, the NYBG and the WCS.

Applicants are required to have a Ph.D. in a life science or related field, and should have postdoctoral or equivalent experience and a record of published work. The successful candidates will be expected to supervise an independent research program that will attract extramural funding, provide research opportunities and mentoring for graduate and undergraduate students and offer professional service to the Department and University.

To apply, submit a cover letter, curriculum vitae, contact information for three references, research and teaching statements, and three reprints via Interfolio https://-apply.interfolio.com/171620 . Questions can be directed to the Biological Sciences Department Chair Dr. Evon Hekkala (ehekkala@fordham.edu).

For full consideration, applications should be received by October 10, 2025.

Fordham is an independent, Catholic University in the Jesuit tradition committed to excellence through diversity. We encourage candidates of all backgrounds to apply, and we especially seek candidates who show a commitment to broadening participation of members of underrepresented groups in the sciences.

Steven J Franks Professor Department of Biology Fordham University Bronx, NY 10458 Lab website Project Baseline

Steven Franks <franks@fordham.edu>

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

JamesMadisonU AnimalDevelopmentEvolution

The Department of Biology at James Madison University invites applications for a 10-month tenure-track Assistant Professor position with specific expertise in Animal Development. This is a full-time position with an anticipated start date of August 2026.

The successful candidate will join a thriving community of more than 60 biologists with broad sub-disciplinary diversity and will expand this diversity in organismal and evolutionary biology through expertise in animal evolutionary development (evo-devo). Research areas of interest include, but are not limited to, comparative and experimental embryology, developmental physiology, and eco-evo-devo (e.g., ecotoxicology). Collaborative scholarship with other faculty members within and beyond the department is encouraged.

The department is committed to increasing the success of all students by creating and sustaining inclusive learning environments in and out of the classroom. The successful candidate will be expected to exemplify these principles in their teaching, mentorship, scholarship, and service to the institution. Please visit our web site at http://www.jmu.edu/biology/ for more information about the department.

Duties and Responsibilities: Expectations of the position include establishing and maintaining an externally

funded research program that includes mentoring and publishing with student co-authors, primarily undergraduates. The successful candidate will teach existing courses in the core curriculum for biology majors and upper division animal development courses within their expertise for both majors and pre-professional health students, with opportunities to contribute to or create course-based undergraduate research experiences (CUREs).

Qualifications: Applicants should have a Ph.D. in a field related to Animal Development with emphasis on comparative and evolutionary biology such as developmental biology, embryology, organismal biology, etc. Post-doctoral experience preferred.

About JMU: Mission We are a community committed to preparing students to be educated and enlightened citizens who lead productive and meaningful lives.

Vision To be the national model for the engaged university: engaged with ideas and the world.

Who We Are Located in the heart of Virginia's beautiful Shenandoah Valley, the city of Harrisonburg is approximately 120 miles from Washington, D.C. and Richmond, VA. With a population of just over 53,000, Harrisonburg is one of the most diverse communities in the Commonwealth of Virginia. JMU is a selective, public institution with a growing national reputation for offering experiences that lead to an outstanding education and inclusive environment for students, faculty and staff. The student body includes approximately 20,000 undergraduate and 1,900 graduate students, with over 1,000 full-time instructional faculty.

JMU offers thriving programs in the liberal arts, science and technology, and professional disciplines at the undergraduate, master's and doctoral levels. JMU has achieved national recognition for the high quality of its academic programs, focus on maintaining strong student/faculty interaction, and innovative faculty research.

Additional Posting Information: Candidates will complete the application and attach the following documents: 1) Letter of Application (up to 2 pages) that addresses the outlined minimum and preferred position qualifications and the applicant's interest in undergraduate education.

2) Curriculum Vitae

3) A Teaching Statement (up to 2 pages, uploaded to PageUp under "Statement of Teaching Philosophy") that describes your planned and/or ongoing approach to: * Effectively teach undergraduate students * Foster a supportive environment for students in teaching and research

4) A Research Statement (up to 2 pages, uploaded to PageUp under "Other Document #1") that includes: * A ~5-year plan that centers undergraduate students at JMU * Plans to promote the growth and excellence of student researchers

Review of applications will begin 10/10/2025. For more information, please contact Dr. Rocky Parker (parke3mr@jmu.edu). JMU's Dual Career and Community Resources Program is available for candidates that will be relocating to the area. For more information, please visit https://bit.ly/2OTF1NG. Conditions of Employment: Employment is contingent upon the successful completion of a criminal background check.

E-Verify Notice: After accepting employment, new hires are required to complete an I-9 form and present documentation of their identity and eligibility to work in the United States. James Madison University uses the E-Verify system to confirm identity and work authorization.

EEO Statement: James Madison University is committed to creating and supporting a diverse and inclusive work and educational community that is free

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KielU Germany MolecularEvolution

Full professorship on Molecular and Evolutionary Zoology at Kiel University, Germany.

Deadline for applications: October 19, 2025

A research focus in the field of molecular biology and/or cell biology and/or developmental biology of animals is required, with links to modern evolutionary biology. Specific examples of such a research focus could include the following topics: the molecular and cellular basis of reproduction and fitness in animals, the molecular and cellular basis of resistance to parasites/pathogens or environmental toxins in insects or other invertebrates, the molecular and cellular basis of animal-microbiome interactions, the influence of the microbiome on developmental processes or neurobiology in animals, or other topics in the field of molecular and evolutionary zoology.

The applicant must demonstrate particular expertise in research through outstanding publications and successful acquisition of third-party funding.

The professorship will also contribute to teaching at both Bachelor and Master level, ideally in the field of molecular and/or cell and/or developmental biology.

Applications must include the following documents: CV, list of publications, list of courses taught, copies of academic certificates, research proposal (max. 3 pages), teaching concept (max. 2 pages). Applications should be sent to the Dean of the Faculty of Mathematics and Natural Sciences at Kiel University, preferably in electronic form to bewerbung@mnf.uni-kiel.de. If you have any questions regarding the focus of the professorship, please contact Hinrich Schulenburg (hschulenburg@zoologie.uni-kiel.de).

For further details, including the full advertisement, see: https://www.berufungen.uni-kiel.de/-de/dateien/oeffentl.-dateien/w3/w-3-professur-fuer-molekulare-und-evolutionaere-zoologie OR: https://www.nature.com/naturecareers/job/12844416/w-3-professorship-in-molecular-and-evolutionary-zoology/-?LinkSource=PremiumListing Hinrich Schulenburg (he/him)

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

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

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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 (full-time: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 apply online until September 30th 2025! https://-8101202752.karriereportal.cloud/job/2025-14-Scientist-in-molecular-biodiversity-research-(m_f_d)

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 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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MichiganStateU HerbariumDirector

Position Summary The Department of Plant Biology (PLB) at Michigan State University (MSU) seeks applications for a director of the MSU Herbarium at the Assistant, Associate or Full professor level. This is a 12-month tenure-stream faculty position that combines independent research, undergraduate and graduate teaching and mentoring, service to the university and the profession, and administrative responsibilities as the Herbarium Director. The successful applicant will maintain and grow the MSU Herbarium as a national leader in supporting plant and fungal collections-based research, teaching, and outreach. The successful applicant will also establish a research program in plant or fungal systematics, ecology, and/or evolution that contributes to the department's goal of addressing fundamental biological questions about photosynthetic organisms at all scales. All applicants are expected to demonstrate a commitment to graduate and undergraduate teaching as well as research mentoring. Specific teaching responsibilities include a required upper-division undergraduate course in Plant Systematics, taught once per academic year.

The Department of Plant Biology is in the College of Natural Science and is one of the top plant sciences programs in the country with a core mission to advance the understanding of plant biology from molecules to ecosystems. Our strength lies in encouraging a variety of perspectives and approaches to science and in supporting a collaborative, inclusive community of scientists.

The MSU Herbarium is a leading center for research, teaching, outreach, and engagement within and beyond the MSU community. The herbarium hosts over 520,000 specimens, including one of the largest collections of lichenized fungi in North America. It is a key teaching resource, providing hands-on experience to hundreds of MSU students across campus every year and hosting undergrad honors and research projects. The MSU Herbarium is also a hub for community connections, engaging with hundreds of visitors every year through a range of on-campus and off-campus events. The PLB department and MSU administration strongly support the mission of the herbarium and see biological collections as crucial pieces to responding to challenges that will change the natural world. More information is available on the MSU Herbarium website: https://-herbarium.natsci.msu.edu/ . Equal Employment Opportunity Statement All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, age, disability or protected veteran status.

Minimum Requirements - PhD in systematics, evolutionary biology, ecology, or other relevant field, - Record of research productivity including publishing in peer reviewed journals. - Expertise in plant systematics at a level needed to teach an undergraduate course.

Desired Qualifications - Postdoctoral research experience, or equivalent post-PhD research experience broadly defined, i.e. not necessarily at an academic institution. - Applicants at the Assistant Professor level should demonstrate expertise in the requested research area through their record of research productivity (including publishing in peer-reviewed journals) and by proposing an independent, innovative research program that addresses fundamental questions in plant biology and has the potential to be externally funded. Applicants who meet the criteria for hiring at the Associate

Professor or Professor level are expected to demonstrate a record of substantive and independent research in targeted areas, along with a plan to continue a productive research program at MSU. - Experience with research training and mentorship. - Experience using biological collections and herbaria in research and teaching. - Experience in leadership of a museum or herbarium. - Applicants at the Assistant Professor level should have evidence of instructional experience and commitment (including teaching assistant experience). Applicants who meet the criteria for hiring at the Associate Professor or Professor level should have evidence of successful teaching experience.

Required Application Materials Complete applications must include 1) a cover letter (1-2 pages) summarizing research experience, interest in the requested field, and qualifications for the position, 2) a curriculum vitae that includes education, academic appointments, professional experience, funded grants & fellowships, publications, evidence of peer recognition (e.g., awards, honors, invited talks), service, and leadership roles, 3) a research statement (up to 3 pages) integrating past research experience and accomplishments with future research directions, 4) a statement detailing the applicant's past leadership experience and experience working with herbaria, and vision for the MSU herbarium

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MuensterU Germany TheoreticalEvolBiol

The Institute for Evolution und Biodiversity (IEB), within the Department of Biology at the Universität Münster, seeks applications for a permanent Scientific Staff Position in the field of Theoretical Evolutionary Biology. The successful candidate is encouraged to develop an own research program in this field.

An important part of the obligations associated with the position is teaching in the area of Theoretical Evolutionary Biology, particularly through the supervision of modules in both BachelorÂs and MasterÂs programs. In addition, the position holder is expected to support the training of Bachelor's, Master's, and doctoral students in statistical methods within the department. The teaching obligation associated with this position is 13-17 SWS, depending on other general tasks assigned to this position. The weekly working time is currently 41 hours. Depending on experience, the successful candidate may also take on central responsibilities within the Institute for Evolution and Biodiversity (IEB). Besides teaching the candidate is encouraged to develop an own research program in collaboration with colleagues at the IEB and Biology Department and compete for third party funding.

Our expectations: - A university degree and a PhD in Biology, Physics, Chemistry, Mathematics or a related field - Extensive experience in theoretical evolutionary biology (e.g. statistical methods, modelling, etc.) - Postdoctoral research in evolutionary biology, evolutionary ecology, bioinformatics, or biodiversity research - Teaching experience in the areas mentioned above - Willingness and motivation to work closely with students in teaching and supervision - A high level of organizational and communication skills - Excellent command of English - if not already acquired, knowledge of the German language is expected to be obtained within three years

To be eligible for a "Beamtenverhältnis" (German State Employee status) the candidate needs to proof employment for 3 years and 6 months after finishing her/his university study or 1 year after her/his PhD. If the requirements are not yet fulfilled, the candidate can be employed in a regular employment (TV- L E 13) with a later change of the status to a "Beamtenverhältnis". If the employee doesn't fulfill the requirements for a "Beamtenverhältnis" she/he can be permanently employed under the regular employment scheme (TV-L E 13). Advantages for you:

The Institute for Evolution and Biodiversity (https://www.uni-muenster.de/Evolution/) offers a wide range of opportunities for basic research and teaching in various areas of evolutionary biology, evolutionary ecology, bioinformatics, and biodiversity research. The international and interdisciplinary teams at the IEB foster a collaborative working environment and are actively involved in numerous national and international research networks (e.g. https://www.uni-muenster.de/Evolution/mgse ; https://g-evol.uni-muenster.de ; https://www.uni-bielefeld.de/fakultaeten/biologie/forschung/verbuende/sfb_nc3). This creates ideal conditions for collaborations within these consortia as well as for independent research projects. The University of Münster strongly supports equal opportunity and diversity. We welcome all applicants regardless of sex, nationality, ethnic or social background, religion or worldview, disability, age, sexual orientation or gender identity. We are committed to creating family-friendly working conditions.

We actively encourage applications by women. Women with equivalent qualifications and academic achievements will be preferentially considered unless these are outweighed by reasons which necessitate the selection of another candidate.

If you have any questions, please contact Prof. Dr. Wicke (susann.wicke@uni-muenster.de) or Prof. Dr. Joachim Kurtz (joachim.kurtz@uni-muenster.de).

Are you interested?

Please submit your application by September 26th, 2025, exclusively via our online application portal: https://stellen.wwu.de/jobposting/-1040eb76dadabb4ac82653f10f31481d6b60af610?ref=-homepage University of Münster Faculty of Biology Institute for Evolution and Biodiversity Hüfferstr. 1 48149 Münster https://www.uni-muenster.de/Evolution/index.shtml "Kurtz, Joachim" <joachim.kurtz@uni-muenster.de>

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OhioStateU ArthropodBiodiversity

Endowed Professor or Associate Professorship as the Martha and John Moser Chair of Arthropod Biosystematics at Ohio State University Deadline for application: 15 October, 2025

The Department of Evolution, Ecology, and Organismal Biology (EEOB) invites applications for The Martha N. and John C. Moser Chair in Arthropod Biosystematics and Biological Diversity. We seek a colleague who takes lineage-focused approaches to questions in evolution and ecology of terrestrial arthropods. Candidates employing novel methods are especially encouraged to apply, as are those whose work complements and strengthens existing departmental expertise in phylogenetic systematics, species discovery and description, biodiversity informatics, population genetics, or evolution of character systems or interspecific interactions.

The Moser Chair will serve as the head of the OSU entomological collections, which include the C.A. Triplehorn Insect Collection and substantial holdings of arachnids. The Moser Chair is expected to lead a nationally recognized, externally-funded research program that actively engages graduate and undergraduate students. Teaching duties will include undergraduate core courses in EEOB or the Center for Life Sciences Education and specialty graduate or undergraduate classes aligned with their area of expertise.

This endowed, tenure-track position is open to applicants at the level of either Professor or Associate Professor. Applicants with a research program based in public or private institutions, including museums, state or federal collections, or similar organizations are encouraged to apply. We provide competitive resources for initiation of research activities at Ohio State, support for graduate students, and a collaborative, integrative research environment. This role is open to candidates not currently authorized to work in the US; an offer of employment would include sponsorship for required work visas. More details about the position are available through the application link below.

Education and Experience Requirements

Required: PhD in relevant field. Professional experience with academic research, including developing, externally funding, and publishing research outcomes and with training or mentoring junior scholars. The successful applicant will show evidence of sustained productivity and excellence in research and a commitment to the highest quality of graduate and undergraduate teaching.

Desired: Experience conducting research within research collections

How to Apply To be considered, please submit your application electronically via Workday [https://-/osu.wd1.myworkdayjobs.com/OSUCareers/job/-Columbus-Campus/Martha-N-and-John-C-Moser-Chair-in-Arthropod-Biosystematics-and-Biological-Diversity_R136850-2] .Application period closes 10/15/2025.

Meg Daly Professor, Evolution, Ecology, and Organismal Biology Ohio State University Columbus Ohio USA Daly.66@osu.edu

"Daly, Meg" <daly.66@osu.edu>

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OhioStateU EvolutionaryGenetics

Job Title: Associate Professor Department: Arts and Sciences | Molecular Genetics Administration

Tenure faculty (regardless of rank) - persons with the titles of professor, associate professor, assistant professor and instructor who serve on appointments totaling 50% or more service to the university and who are eligible for tenure or who have obtained tenure. Duties and responsibilities are assigned in accordance with the workload guidelines laid out in the pattern of administration of each faculty member's tenure initiation unit (TIU) and, as appropriate, regional campus; obligations will include research, service and/or teaching or clinical practice. These faculty will have earned doctorate or other terminal degree in the relevant field of study or possession of equivalent experience.

Position Overview

The Department of Molecular Genetics in the College of Arts and Sciences at The Ohio State University invites applications for a tenure-track faculty position at the Associate Professor level. Investigators addressing fundamentally important biological questions in any area of Molecular Genetics are encouraged to apply.

Performance Objectives

The successful candidate will be expected to:

* Maintain an active research program in their area of expertise * Support our commitment to excellence in teaching of a diverse student body at undergraduate and graduate levels and in mentoring trainees at all levels * Engage in service activities

Education and Experience Requirements

Required: PhD and/or MD degree, or equivalent; an active and funded research program; teaching/mentoring experience. Candidates should demonstrate a commitment to building a diverse intellectual community, in line with OSU's Shared Values < https://www.osu.edu/-shared-values > (see below). Candidates must have an established record of research as an independent investigator consistent with appointment with tenure.

Desired: Record of extramural funding; strong track record as a mentor; experience with interdisciplinary and/or collaborative research; established record of excellence in classroom teaching.

Ohio State provides access to a depth and breadth of opportunities and resources. Starting your first day, Ohio State offers you a comprehensive benefits package < https://hr.osu.edu/benefits/ >.

How to Apply

To be considered, please submit your application electronically via Workday [https://-osu.wd1.myworkdayjobs.com/OSUCareers/job/-Columbus-Campus/Associate-Professor_R136723-1] .Application period closes October 15, 2025. Inquiries may be directed to Samantha Bragg (bragg.137@osu.edu). Application materials submitted in Workday must include:

* Attachment 1: Cover Letter: Summary of your academic background and why you are interested in this opportunity (up to 2 pages). * Attachment 2: CV (Curriculum Vitae): Detailed overview of your scholarly experience, including your research experience, teaching and mentoring experience, service, funding, and publications. * Attachment 3: Research Statement: Summary of your past accomplishments, current work, and future plans (up to 2 pages). * Attachment 4: Teaching Statement: Summary of your approaches, experience, and philosophy for teaching, learning, and mentoring (up to 2 pages).

Candidates selected to move forward in the process will be asked to provide three letters of reference.

ou.195@osu.edu

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OhioStateU EvolutionaryMolecularGenetics

Job Title:Associate Professor of Molecular Genetics

Institution:The Ohio State University

Description:

Position Overview

The Department of Molecular Genetics in the College of Arts and Sciences at The Ohio State University invites applications for a tenure-track faculty position at the Associate Professor level. Investigators addressing fundamentally important biological questions in any area of Molecular Genetics are encouraged to apply.

Performance Objectives

The successful candidate will be expected to:

Maintain an active research program in their area of expertise Support our commitment to excellence in teaching of a diverse student body at undergraduate and graduate levels and in mentoring trainees at all levels Engage in service activities

Education and Experience Requirements

Required:PhD and/or MD degree, or equivalent; an active and funded research program; teaching/mentoring experience. Candidates should demonstrate a commitment to building a diverse intellectual community, in line with OSU's Shared Values(see below). Candidates must have an established record of research as an independent investigator consistent with appointment with tenure.

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Candidates selected to move forward in the process will be asked to provide three letters of reference.

The College

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

Department Information

The Department of Molecular Genetics (https://-molgen.osu.edu/) includes over thirty faculty investigating diverse biological questions spanning molecules to systems. Research efforts are supported by state-of-the art infrastructure in the Department and across campus in specialized core facilities. Molecular Genetics faculty collaborate within the Department and with faculty from other departments and colleges and are active members of campus-wide focal groups, including the Center for RNA Biology and the NCI-designated James Comprehensive Cancer Center. The university is also home to the Arabidopsis Biological Resource Center, a central seed and plasmid repository that preserves, amplifies, and distributes these stocks to the worldwide research and education community.

The University

Ohio State is a top-20 public university, and its Ohio State Wexner Medical Center is one of America's leading academic health centers. Eligible Ohio State employees receive comprehensive benefits packages, including medical, dental and vision insurance, tuition assistance for employees and their dependents, and state or alternative retirement options with competitive employer contributions.

Grounded in Ohio State University's Shared Values, our university community welcomes differences, encourages open-minded exploration and courageous thinking, and upholds freedom of expression.

The Ohio State University is committed to enhancing academic excellence. Recruiting, supporting, and retaining faculty of the highest caliber is a core component of this commitment. The Office of Academic Affairs (OAA) has established central resources to focus on offering support to new and prospective faculty and their loved ones. Service

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PennsylvaniaStateU ResTech SymbiontGenetics

POSITION SPECIFICS

The Bordenstein Laboratory in Penn State University's Departments of Biology and Entomology and One Health Microbiome Center seeks a Research Technologist - Advanced Professional to design, implement, support, analyze, and report on rigorous research in molecular biology that begins a new phase of study on endosymbiont genetics. This position seeks a high risk / high reward aptitude for a project that aims to transform a fastidious bacterium for functional and evolutionary studies. Experiences with plasmid constructs, genome sequencing and analysis, cell culture, genetic transformation of bacteria, and/or insect handling are requested and should be detailed in the cover letter. It is important to read the full application instructions below under Additional Information.

The successful candidate will have priority tasks in the following areas:

* Experimental design, implementation, analysis, time management, and reporting * Preparation and adherence to new scientific protocols, specimen evaluation, and biostatistics * Co-authorship of scientific papers, grants, presentations, and summary reports * Contribution to research methods, solutions, and technical approaches for problem solving * Data collection, data analysis, statistics, and visualizations * Management of trainees for molecular biology skills, biosafety measures, lab policies, equipment, proper record keeping, organismal maintenance, and performance review * Various experimental tasks, including but not limited to cell culture establishment and maintenance, microscopy, plasmid constructs, transformation of intracellular bacteria, transinfection of bacteria into host insects by microinjection, genome sequencing and analysis, insect handling, tissue dissections, biological marker staining, and genotyping and quantification of insect and symbiont cells using PCR and qPCR * Additional side projects as assigned * Troubleshooting of emergencies, day-to-day questions by lab members, and laboratory scheduling * Assistance of lab management and ongoing entomology, microbiology, molecular biology experiments, as assigned * Maintenance of a welcoming, safe, and professional environment adherent to lab expectations * Excellent problem-solving, interpersonal, organizational, communication, and documentation skills are essential. * The successful candidate must be able to work within a team environment and demonstrate a genuine appreciation in working, leading, and managing diverse audiences.

MINIMUM EDUCATION, WORK EXPERIENCE & REQUIRED CERTIFICATIONS

Bachelor's Degree

3+ years of relevant experience; or an equivalent combination of education and experience accepted

ADDITIONAL INFORMATION

Application materials should include a single pdf with (i) a cover letter summarizing relevant experience and reasons for interest in the job, (ii) a CV that includes contact information for at least three references (name, position, telephone number, and e-mail address) and (iii) complete, first-authored, and full length works of research spanning papers, reports, posters, and presentations; these need not be published nor biology related. Please visit https://bordensteinlab.com for additional information.

APPLY HERE:

https://psu.wd1.myworkdayjobs.com/PSU_Staff/job/-Penn-State-University-Park/Research-Technologist—Life-Sciences-Advanced-Professional—Bordenstein-Lab_REQ_0000071475-2?source=LinkedIn COMMUNITY:

The Pennsylvania State University is a Land-Grant university located in central Pennsylvania. State College and the surrounding communities are home to approximately 100,000 people, including over 45,000 students. The area is known for its highly ranked livability, access to nature spanning beautiful mountains, streams, and

parks, and superb recreational opportunities and sports. State College has an excellent school system and offers a multitude of cultural events.

BACKGROUND CHECKS/CLEARANCES

Employment with the University will require successful completion of background check(s) in accordance with University policies.

Penn State does not sponsor or take over sponsorship of a staff employment Visa. Applicants must be authorized to work in the U.S.

SALARY & BENEFITS

The salary range for this position, including all possible grades, is $42,100.00 - $61,000.00. Penn State provides a competitive benefits package for full-time employees designed to support both personal and professional well-being. In addition to comprehensive medical, dental, and vision coverage, employees enjoy robust retirement plans and substantial

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RiceU EvolutionaryBiology

Tenure-Track Assistant Professor in Evolutionary Biology

The Department of Biosciences at Rice University invites applications for a tenure-track assistant professor position in Evolutionary Biology, with a preferred focus on organismal responses to environmental change. We welcome applicants studying behavior, physiology, functional genomics, quantitative genetics, eco-evolutionary dynamics, or gene-environment interactions. The ideal candidate would bring an integrative approach, possibly leveraging computational, genomic, or quantitative tools, and/or integrating theoretical approaches, in any system (animal, plant, microbial).

The successful candidate will be expected to establish a vibrant, externally funded research program, teach at the undergraduate and graduate levels, and contribute to the collaborative and interdisciplinary culture of the department. We especially encourage applications from scientists whose work contributes to broad themes of sustainability, global change biology, or One Health.

In our candidate pools, we seek to attract greater representation ofâ€women,â€scholars of color, people with disabilities,â€veterans, and others whoâ€have historically beenâ€underrepresented in the biological sciences; accelerateâ€progress in buildingâ€a faculty and staff varied in background and thought;â€and maintain an environment that fosters interaction and understanding withinâ€ourâ€community. Candidates must have a PhD or equivalent degree in a biological science or a relevant field of natural science or engineering (and have completed the requirements for a PhD by July 1, 2026).

To apply, please submit the following materials online at insert new link: (1) cover letter; (2) curriculum vitae; (3) research statement (3 pages max); (4) statement of teaching philosophy (3 pages max); and (5) contact information for three references. The research statement and statement of teaching philosophy may also include plans for building a diverse and inclusive research group and fostering equitable and inclusive classrooms. Application review will commence October 15, 2025 and will continue until the positions are filled. For additional information, please contact the search chair, Dr. Scott Egan (spe1@rice.edu). Rice University is an Equal Opportunity Employer. Qualified applicants are considered without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability, or protected veteran status.

LINK TO APPLICATION; https://-apply.interfolio.com/173889 Scott P. Egan Associate Professor, Dept. of BioSciences Director, E4 Initiative, School of Natural Sciences Rice University Houston, Texas, USA

Lab website: scottpegan.com Twitter/X/BlueSky: @scottpegan

Scott Egan <spe1@rice.edu>

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SwedishNHM GroupLeader

*What *The Naturhistoriska riksmuseet has a position open for a Tenure-Track group Leader position (DDLS fellow).

When Deadline 15 Nov.

*Benefits *17 M SEK start-up (1.6 million euros, which will account for your salary / 2 PhDs / 2 Postdocs / plenty of money for starting projects and sending peoeple to conferences).

*Link * https://www.scilifelab.se/career/research-fellowship-in-data-driven-evolution-and-biodiversity/
I have one such position and I'm really happy at the Naturhistoriska riksmuseet (and with the DDLS program possibilities). I will be happy to meet and answer any questions you or your talented postdocs may have.

islandevolution.github.io

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

Evolutionary Biologist

Swedish Museum of Natural History

(20% @ the University of Oslo)

Josï¿½ Cerca <jose.cerca@gmail.com>

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TexasAMU PlantSystematics

Tenured/Tenure-Track: Assistant Professor or Associate Professor Texas A&M University: College of Agriculture and Life Sciences: Department of Ecology and Conservation Biology Location: College Station, TX, United States Open Date: Sep 18, 2025

Description The Department of Ecology and Conservation Biology < https://eccb.tamu.edu/ > (ECCB), College of Agriculture and Life Sciences < https://-aglifesciences.tamu.edu/ >, at Texas A&M University < https://www.tamu.edu/ >, invites applications for a full-time, tenured or tenure-track 9-month faculty position in plant systematics beginning August 1, 2026. Applicants will be considered for the rank of Assistant or Associate Professor, depending on qualifications.The successful applicant will establish a competitively funded research program that addresses fundamental questions in plant evolution, systematics, genomics, ecology, or conservation. The applicant will also serve as Curator of the S.M. Tracy Herbarium < https://tracyherbarium.tamu.edu/ >, a collection of over 360,000 specimens, including an ample representation from most vascular plant families and one of the largest collections of grasses, bryophytes, and fungi in the region. In addition to building a successful research program, the successful candidate will be expected to teach two courses per year (typically at both the undergraduate and graduate levels), to mentor graduate students with support from extramural funds, to supervise curatorial activities in the S.M. Tracy Herbarium, and to contribute to service to the institution and the discipline.The anticipated start date is August 1, 2026. Salary and start-up package will be commensurate with experience and qualifications.

The ECCB Department at Texas A&M has 36 faculty, 380 undergraduate and 116 graduate students, and is growing. World-class research programs in the Department address fundamental questions in ecology, conservation biology, and related areas at every level of ecological organization from genes to ecosystems, producing knowledge that is immediately applicable to the most pressing 21st-century grand challenges such as climate change, biodiversity loss, ecological restoration, and integrative approaches to conservation. ECCB Undergraduate students can obtain a B.Sc. degree in Ecology and Conservation Biology, specializing in one of five programmatic tracks (Ecoinformatics, Ecology and Conservation Biology, Forest Resources, Vertebrate Zoology, or Teaching). Graduate students can earn an M.S. or Ph.D. degrees in Ecology and Conservation Biology. The Department is engaged in the campus-wide interdisciplinary programs of Ecology and Evolutionary Biology < https://eeb.tamu.edu/ >, Genetics < https://-/genetics.tamu.edu/ >, and the Applied Biodiversity Science Program < https://biodiversity.tamu.edu/ >. In addition to the S.M. Tracy Herbarium < https://-tracyherbarium.tamu.edu/ >, ECCB also houses the Texas A&M Biodiversity and Teaching Collections < https://brtc.tamu.edu/ >; together, these two collections are among the top-ranked university-based biodiversity collections in the USA.

Texas A&M University is a Land Grant/Sea Grant/Space Grant Research I institution and a member of the prestigious Association of American Universities (AAU). Home to over 79,114 students, Texas A&M

is one of the top universities in the country in enrollment of new National Merit Scholars. The University conducts research valued at more than $1.278 billion annually, placing it among the top 20 universities nationally, and is ranked by the National Science Foundation as a top-tier research institution. With a system-wide endowment valued at more than $14.1 billion, the university ranks sixth among U.S. public universities. College Station/Bryan has approximately 273,000 residents and is consistently ranked among the best places to live in the country, with a low cost of living and ready access to the metropolitan centers of Austin and Houston. The university is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and therefore has a Dual Career Program < https://facultyaffairs.tamu.edu/resources/dual-career-program.html >.

Required Qualifications

Candidates will have:

* An earned doctorate in botany, evolutionary biology, ecology, conservation, or a closely related discipline. * An established record of publishing in peer-reviewed journals. * A demonstrated ability to secure research funding.

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TexasAMU ResAssist MarineGenomics

PURPOSE

The Research Assistant will work in the Marine Genomics Lab at Texas A&M University - Corpus Christi and will be responsible for planning and performing laboratory work for several projects related to the genomics of exploited fishes.

DESCRIPTION Functional Area 1: Research Support Percent Effort: 70%

* Performs standard molecular genetics techniques such as DNA extraction, gel electrophoresis, and polymerase chain- reaction (PCR) * Constructs next-generation sequencing (NGS) libraries using various methods * Modifies existing protocols and develop new protocols for next- generation DNA sequencing

Functional Area 2: Data Analysis Percent Effort: 20%

* Collects and analyzes field and laboratory data * Prepares figures/table or text for reports and manuscripts for submission to granting agencies and academic journals

Functional Area 3: Other Percent Effort: 10%

* Constructs, modifies, adapts, assembles, and operates molecular biology laboratory apparatus and equipment * Use computer equipment for controlling equipment and compiling data * Plans and supervises technical operations * Perform other duties as assigned

QUALIFICATIONS

* Bachelors in biological sciences * Experience in scientific research related to molecular biology. * Knowledge of molecular biology laboratory equipment, scientific instruments, and computer equipment. * Experience with next-generation sequencing library preparation or other genomic techniques * Ability to balance multiple projects and pay close attention to detail

PREFERRED QUALIFICATIONS

* Master's degree in the biological sciences * Two years in scientific research related to molecular biology

Salary is commensurate upon education and experience. NOTE: This is a temporary, one-year position with the potential for extension. This position is grant-funded. Continued employment is contingent upon continued funding.

BENEFITS (rules, policies, eligibility apply) From our generous benefits package < https://www.tamucc.edu/-human-resources/benefits/index.php > and professional development opportunities, to our retirement programs and our commitment to service excellence, the Island University is an engaging and rewarding place to work.

INSURANCE: < https://assets.system.tamus.edu/-files/benefits/website/Bene-fitsGuide.pdf >

* Medical * $0 - $30 per month for Employee Only coverage after university contribution ($920 value). * Up to 83% of premium covered by the university: * Employee and Spouse * Employee and Children * Employee and Family coverage * Dental & Vision * Life Insurance, Accidental D&D, Long Term Disability, Flexible Spending Account and Day Care Spending Account

DUAL CAREER PARTNER PROGRAM < https:/-/www.tamucc.edu/human-resources/careers/dual-career-partner/index.php > ON-CAMPUS WELLNESS OPPORTUNITIES < https://www.tamucc.edu/-

human-resources/benefits/wellness-resources.php > Work Life Solutions: < https://www.tamucc.edu/-human-resources/benefits/eap.php >

* Counseling, Work Life Assistance, Financial Resources, and Legal Resources

Tuition Benefits: < https://www.tamucc.edu/human-resources/benefits/tuition/index.php >

* Public Loan Forgiveness * Book scholarships * 100% tuition coverage for up to 18 credit hours per fiscal year (other rules may apply).

Retirement < https://www.tamucc.edu/human-resources/benefits/retirement-programs.php >:

* Teacher Retirement System of Texas (TRS) or Optional Retirement Plan (ORP) * Voluntary Tax Deferred Account/Deferred Compensation Plan

Time Off < https://www.tamucc.edu/human-resources/time-off/index.php >:

* 8+ hours of vacation paid time off every month. * 8 hours of sick leave time off every month. * 8 hours of paid time off for Birthday leave. * 12-15 paid holidays each year.

To apply or find more information please visit our job portal,

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UCalifornia Berkeley LabManager PupfishHCR

Part-time laboratory manager position on the evolution and development of specialized craniofacial morphology in Caribbean pupfishes.

The Martin Fish Speciation Lab at the University of California, Berkeley in the Department of Integrative Biology and Museum of Vertebrate Zoology seeks a part-time lab manager for a diverse position involving laboratory animal care (pupfishes), in situ hybridization assays (HCR), and CRISPR experiments. Pupfishes present a rare opportunity to investigate the origins of adaptive radiation and the evolution of novel niches (e.g. scale-eating) localized to only two locations, San Salvador Island in the Bahamas and Laguna Chichancanab in Mexico, despite thousands of similar Caribbean environments.

We are seeking highly detail-oriented applicants with an interest in a flexible part-time position (~20 hours per week) with some basic experience in a molecular lab such as DNA extraction, PCR, and running gels. Additional experience with in situ hybridization protocols is a major asset but not required. Applicants must also be open to learning laboratory protocols and pupfish husbandry and care.

This is a part-time but multi-year position with the possibility of renewal for three years. This research is funded by an NIH NIDCR R01 grant. Start date is flexible, but is available this fall or spring. Salary is based on UC hourly rates.

Required qualifications: B.A. or B.S. or equivalent degree in biology, evolution, genetics, development, bioinformatics, or related field.

Preferred qualifications: Strong background in evolutionary developmental biology. The ideal candidate will have some experience in a developmental biology lab with an interest in CRISPR-Cas9, HCR, tol2 transgenics, and other approaches.

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, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. BIPOC applicants under-represented and marginalized in the sciences are strongly encouraged to apply.

UC Berkeley has a world-class community of integrative biologists studying adaptive radiation spanning the Department of Integrative Biology, the Museum of Vertebrate Zoology, the Department of Environmental Science, Policy, and Management, the Department of Molecular and Cell Biology, the Center for Theoretical Evolutionary Genomics, and more. The city of Berkeley and the surrounding San Francisco Bay Area is known for its progressive values, vibrant social and cultural scene, and beautiful surrounding environment.

Interested candidates should submit a cover letter detailing their interest in the position and relevant experience along with their CV and contact information for three references to Chris Martin at chmartin@berkeley.edu

This position is open until filled, but applications will be reviewed immediately as received. Please feel free to contact me at the below email address with any questions.

Christopher Martin Associate Professor and Curator of Ichthyology Integrative Biology and Museum of Vertebrate Zoology University of California, Berkeley chmartin@berkeley.edu https://ib.berkeley.edu/labs/-martin/ @fishspeciation.bsky.social

Chris Martin <chmartin@berkeley.edu>

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

UGuelph Canada Bioinformatics

Assistant Professor of Bioinformatics

Location:

Guelph, CA, N1G 2W1

Primary Category Page:Faculty, Librarian and Veterinarian

Division:College of Biological Science

Requisition ID:1526

Position Title / Rank:Assistant Professor of Bioinformatics Department:Integrative Biology

Position Description:

The Department of Integrative Biology (http://-www.uoguelph.ca/ib/) invites applications for a tenure-track position at the Assistant Professor level in Biology with an emphasis on Bioinformatics. We seek candidates whose research uses innovative analytical approaches to address biological questions across scales (from genomes to ecosystems) particularly those relevant to understanding responses to environmental stressors and global change. Applicants must have a PhD in Biology or a related field and Postdoctoral experience is preferred.

Applicants should demonstrate how their research can integrate and enhance the existing strengths of the Department of Integrative Biology and interdisciplinary initiatives in Bioinformatics. Applicants are encouraged to investigate current faculty profiles in the Department of Integrative Biology and College of Biological Sciences and propose novel research directions that fit within, integrate among, or otherwise complement the Department of Integrative Biology's primary research pillars of ecology, evolution, and comparative animal physiology. We are especially interested in candidates whose work is interdisciplinary, collaborative, and are eager to advance research that generates or synthesizes big data which addresses mechanisms associated with the global biodiversity crisis, explores responses to environmental stressors across scales, and/or advances microbial and proteomic research. These research themes may include, but are not limited to:

- Synthesis of genomic databases using advanced bioinformatics and data analytics - The use of transcriptomics, metabolomics, or proteomics to understand biological responses - Environmental, ecological, population, ecosystem genomics - Cellular responses to physiological or environmental stressors - Genetic diversity including eDNA - Impacts of environmental stress on ecosystem resilience - Complexity of biological response to environmental change

The University of Guelph has many resources that are available to potential candidates to support their research and training vision. In addition to the well-established program in Bioinformatics that includes course- and thesis-based graduate programs, The University of Guelph offers extensive research infrastructure. These include the Centre for Biodiversity Genomics (CBG), the Advanced Analysis Centre (Genomics facility, Phytotron, Mass Spectroscopy, Imaging facility, NMR, etc.), Hagen Aqualab, Centre for Ecosystem Management (CEM), Biodiversity Institute for Conservation Synthesis, Microbiome Preservation and Analysis Research Center (MiPARC), Arboretum, and field research stations including Ontario Ministry for Agriculture, Food and Agribusiness (OMAFA) sites, among others.

Candidate Profile

We welcome applicants from across the biological sciences, genomics, and related disciplines. A successful applicant will demonstrate potential for excellence, innovation, and impactful work in discovery-based research focused on the natural world. Applicants should demonstrate their ability to develop and lead independent projects, including success securing competitive funding. Further, potential for collaboration with industry, government, or community partners is an asset.

Importantly, successful applicants will have demonstrated potential for teaching at the undergraduate and graduate levels as they will support the Bioinformatics thesis and course-based programs, and teach in the Department of Integrative Biology. Finally, applicants should demonstrate their commitment to training the next generation of scientists and fostering diversity, equity and inclusion within the research community.

Join Us in Shaping our Departmental Community The University of Guelph resides on the ancestral lands of the Attawandaron people, and the treaty lands and ter-

ritory of the Mississaugas of the Credit and we offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them.

The University of Guelph is committed to fostering an inclusive, innovative, and collaborative environment. In the Department of Integrative Biology, we value diversity and inclusivity because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, complex problem solving, and the creation of a modern, representative academic community (EDI statement).The Department actively fosters a culture that is positive, collegial, and respectful of all members, and in which wellness and healthy work-life balance are valued along with (and indeed, contribute to) excellence in

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UppsalaU HumanPopGen

Associate Professor in Human Paleo- and Population Genomics

The Department of Organism Biology (IOB), Uppsala University, Sweden, invites candidates for a position as Associate Professor in Human Paleogenomics and Population Genomics. IOB offers an excellent research environment with successful programs focusing on evolution, genomics, and the interaction between heredity and environment in model organisms, including humans. Our work includes interdisciplinary themes and infrastructure in genomics, epigenomics, image analysis, paleontology, archaeology, and evolution. For more information about IOB, see www.iob.se . General description of the research program The position is located within the Human Evolution Program at the Department of Organism Biology (Evolutionary Biology Centre, Uppsala University, Sweden). The program conducts extensive research in population genetics and human evolution, offering numerous opportunities for collaboration with colleagues working on related projects. The program also includes the VR-funded Center for the Human Past (https://centerforthehumanpast.se/) and the VR-funded research environment on prehistoric health and demography. The research environment is international, with English as the working language. For more information about the Human Evolution Program, visit: https://www.uu.se/en/department/organismal-biology/research/human-evolution . Description of subject area of the employment: "Human paleogenomics and population genomics" encompasses research on changes in genomes over time and space, and how these changes can be used to understand evolutionary and demographic processes in humans and related species. The research is based on evolutionary and population genomics principles and utilizes large-scale empirical genomic data from modern and prehistoric individuals. The research has a broad perspective, including hominids and organisms that coexist with humans, such as domesticated species and pathogens.

Work duties: Research, teaching, and administration. Teaching responsibilities include course management, administration, and supervision of doctoral students. The applicant is expected to conduct research within human paleogenomics and population genomics.

Follow developments within the subject area and the development of society in general that is important for the work at the university. The position may include some administrative tasks, as the employee is expected to contribute collegially to the research and educational environment within the program, department, and the university overall.

Qualifications Required: PhD in a data-driven field such as computational biology, population genetics/genomics. Research Expertise and Teaching Expertise. It is necessary that the pedagogical skills, the research expertise and the professional skills are relevant to the content of the employment and the tasks that will be included in the employment. The applicant should have completed relevant education in university pedagogy, including ten weeks of training or acquired equivalent knowledge. If special circumstances apply, this training for teachers in higher education may be completed during the first two years of employment. Documented ability to teach in Swedish or English, unless special reasons apply. Personal capabilities necessary to carry out fully the duties of the appointment.

Assessment Criteria/Ranking of applicants that fulfill the above-mentioned qualifications required The ranking of eligible applicants will be based primarily on research and teaching expertise, which will be given equal weight.

Research Expertise comprises research merits. In addition to academic merits, research merits from other activities, including technology development, may also be taken into account including research merits obtained outside the academy, which includes for example tech-

nology development and innovation ability. In assessing research expertise research quality must be the prime consideration. The scope of research, primarily in regard to depth and breadth, must also be afforded consideration. Particular weight will be given to merits in population genomics, paleogenomics, and human evolutionary history.

Furthermore, consideration must be given to the capacity to plan, initiate, lead, and develop research and education in the third cycle, the ability to acquire funding for research in competition, as well as the demonstrated capacity to interact with others both within academia and in the wider community.

Teaching Expertise comprises educational and teaching qualifications. This expertise can have been achieved outside the academy through supervision, internal training, mentoring programs, etc. In assessing teaching expertise teaching quality must be the prime consideration. The

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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>

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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UTexas Arlington Genomics

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UTexas ElPaso Herpetologist

The Department of Biological Sciences at the University of Texas at El Paso (UTEP) invites applications for a tenure-track Assistant Professor position for an Arid Land Herpetologist. We are seeking highly collaborative candidates with expertise in the ecology of arid land amphibians and reptiles, including research that bridges ecology, evolution, and conservation biology. The Indio Mountains Research Station (IMRS), a 41,000-acre natural environment in the Chihuahuan Desert in Hudspeth County, Texas, offers unique opportunities for teaching and research at UTEP. The department also has excellent biodiversity collections offering significant opportunities for individuals who wish to serve in a curatorial role.

The anticipated appointment date is fall 2026 or earlier. The successful candidate is expected to (1) establish an extramurally-funded research program; (2) teach and mentor undergraduate, masters, and doctoral students; and (3) have a strong potential for collaboration across ecology and evolutionary biology (EEB).

Requirements:

Applicants must have a Ph.D. or equivalent degree, postdoctoral research experience, and a strong record of research accomplishments.

PREFERRED QUALIFICATIONS: Demonstrated success obtaining external funding and innovation in teaching.

Additional Information:

In keeping with its access, excellence, and impact mission, The University of Texas at El Paso is committed to an open, diverse, and inclusive learning and working environment that honors the talents, respects the differences, and nurtures the growth and development of

all. We seek to attract faculty and staff who share our commitment.

The University of Texas at El Paso is an Equal Opportunity Employer. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, genetic information, veteran status, or sexual orientation and gender in employment or the provision of services in accordance with state and federal law. Discrimination on the basis of sex includes an employee's or prospective employee's right to be free from sexual harassment under Title IX of the Higher Education Amendments of 1972. Inquiries-including the filing of a Formal Complaint or reporting an incident-about the application of Title IX may be referred to the Title IX Coordinator, who can be reached by phone at (915) 747-8358, by email at titleix@utep.edu, or by mail at 500 W. University Ave., El Paso, TX, Kelly Hall, Room 312.

For accommodation information for employees and applicants with disabilities, please contact UTEP's Equal Opportunity Office at eoaa@utep.edu.

To the extent that this position involves research, work, or access to critical infrastructure as referenced in Executive Order GA-48, being hired for and continuing to be employed in this position requires the ability to maintain the security or integrity of the infrastructure.

Application Instructions:

Review of applications will begin immediately and will continue until the position is filled. Candidates should submit a letter of interest, curriculum vitae, statement of research interests, a brief description of teaching philosophy, and complete contact information for at least three references.

Hiring decisions are based upon budget approval.

Eli Greenbaum, Ph.D. Professor, Department of Biological Sciences Director, UTEP Biodiversity Collections University of Texas at El Paso 500 West University Avenue El Paso, TX 79968* Biology Bldg. #301/329 Office/Lab: (915) 747-5553/5645 E-mail: egreenbaum2@utep.edu *zip code 79902 for FEDEX/UPS deliveries

Website: https://www.utep.edu/science/-eligreenbaum/index.html "Greenbaum, Eli B" <egreenbaum2@utep.edu>

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UTubingen Germany FunctionalEcology

The Faculty of Science at Tübingen University announces the opening of a new position:

W3-Professorship in Functional Ecology (m/f/d)

starting October 2026

The professorship will be based at the Institute for Evolution and Ecology (EvE) in the Department of Biology. The research at EvE focuses on ecological and evolutionary processes and mechanisms that explain natural biodiversity at different levels, and on the ecological and evolutionary impacts of anthropogenic environmental changes. The EvE Institute currently supports the SAGE Centre, one of four DAAD Global Centres for Climate and Environment, and it is involved in two newly funded DFG clusters of excellence with strong ecological-evolutionary aspects, GreenRobust and TERRA.

The professorship will use observational and experimental methods, possibly combined with molecular and/or theoretical approaches, to study the roles, functions and traits of organisms (animals or plants), and how these influence interactions and processes in ecosystems. We are particularly interested in colleagues linking these questions to anthropogenic environmental changes. Potential fields of research include (but are not restricted to) organismal traits (physiology, anatomy, life-history) and their importance for communities and ecosystems, evolution and adaptation of functional traits in response to (multiple) environmental changes, or physiological plasticity.

The chosen candidate is expected to develop an internationally visible research program in plant or animal functional ecology, and to link his or her research to existing strengths within the EvE Institute and the University of Tübingen, and ideally also to the new DFG clusters of excellence. The professorship will contribute to graduate and undergraduate teaching in functional ecology and biodiversity, with a regular teaching load of 9 SWS (9 contact hours per week).

Required qualifications include a PhD or equivalent degree as well as postdoctoral qualifications and teaching experience equivalent to the requirements of a full professorship. An outstanding, internationally visible research profile is expected. The candidates should have a documented track record in acquiring external research

funding, and in collaborative research.

This professorship is advertised as part of the German government's Professorinnenprogramm 2030, aimed at promoting women academics and scientists. An appointment to the professorship is subject to the availability of funding under the Professorinnenprogramm 2030.

The University of Tübingen is committed to equity and diversity and actively promotes equal opportunities. Female academics, in particular, are explicitly invited to apply, as are applicants from outside Germany. Applications from equally qualified candidates with disabilities will be given preference.

General information on professorships, hiring processes, and the German academic system can be found here: https://uni-tuebingen.de/en/213700. For information on the scientific focus of the professorship please contact Prof. Dr. Katharina Foerster katharina.foerster@uni-tuebingen.de .

Please submit your full application through the application site of the University of Tübingen at https://-berufungen.uni-tuebingen.de by 31st of October 2025. Questions concerning the application process and portal can be directed to the Dean of the Faculty of Science at the University of Tübingen, Professor Dr. Thilo Stehle career@mnf.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 "Boßdorf, Oliver" <oliver.bossdorf@uni-tuebingen.de>

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UTuebingen Bioinformatician NGS Specialist

BIOINFORMATICIAN / NGS SPECIALIST

The Cluster of Excellence TERRA "Terrestrial Geo-Biosphere Interactions in a Changing World" (https://-www.terra-cluster.org) is an interdisciplinary research initiative of geoscientists, biologists and computer scientists at the Universities of Tübingen and Hohenheim and the Senckenberg Institution of Biodiversity and Earth System Research in Frankfurt. It investigates interactions between the living and non-living worlds in changing environments, from microorganisms to the globe, in the past, present and future. TERRA starts on January 1, 2026 and is currently funded until December 2032. Together with the Department of Biology at the University of Tübingen we invite applications for the position of a:

Bioinformatician / NGS Specialist (m/f/d; TV-L E 13, 100%)

starting 1.1.2026 until 31.12.2032

We are looking for an enthusiastic and skilled colleague that will support the research in TERRA, in particular the work done in the Molecular Biodiversity Lab (MBL), a new central infrastructure accessible to several research groups and projects focused on leveraging high-throughput molecular methods for studying biodiversity (e.g. genetic diversity of mostly non-model plants and animals, or diversity of microbial communities). Your responsibilities will include (1) to advise different research groups in the design and statistical analysis of NGS studies, (2) to support these groups with the use of existing and development of new bioinformatics pipelines, (3) to facilitate crosstalk between data generation (wet lab) and data analysis, (4) contribute to scientific publications, and (5) coordinate the management and storage of MBL data through the TERRA Data:HUB and Quantitative Biology Center (QbiC) Tübingen. The working language in TERRA is English.

Candidates for this position must hold a degree (MSc or PhD) in biology, bioinformatics, population genomics, or another relevant area, and should have competences in several of the following areas:

- hands-on experience with setting up and running bioinformatics pipelines for NGS data - understanding the experimental design and statistical analysis of NGS studies, - management & documentation of NGS data/code, incl. public archiving and collaborative workbooks - understanding of NGS wet lab protocols - experience with contributing to genomics-focused scientific publications

We are looking for a team player with an interest in the broader questions and research topics in TERRA. We offer a dynamic and interdisciplinary research environment in a unique, beautiful city with a high quality of life, as well as the chance to interact with a diverse and international research team.

The University of Tübingen is committed to equity and diversity and actively promotes equal opportunities. Equally qualified candidates with disabilities will be given preference in the hiring process. Full-time positions are generally suitable for job sharing. Your

application should include a letter of motivation, CV, and certificates. Please submit a single pdf (max 10 MB) to bewerbung@geo.uni-tuebingen.de under the heading "Application: Your Name [TERRA-07]". The deadline for applications is October 15, 2025.

For questions concerning this position please contact Oliver Bossdorf, 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 "Boßdorf, Oliver" <oliver.bossdorf@uni-tuebingen.de>

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UWyoming PlantFungalGenomics

Assistant Professorship in Plant or Fungal Genomics at the University of Wyoming

The Department of Botany and the School of Computing at the University of Wyoming are searching for an Assistant Professor (tenure-track) in Plant or Fungal Genomics who addresses fundamental questions in evolutionary biology utilizing computational approaches and genomic data. Scientists with expertise in population genomics, phylogenomics, or any area of evolutionary biology incorporating the generation and analysis of genomic data are especially encouraged to apply. We welcome research that advances understanding of the evolutionary and genomic processes shaping plant or fungal diversity, resilience, symbiosis, ecosystem function, or agricultural systems. This faculty member will also contribute to the university's genomics infrastructure through active involvement and collaboration with the Genome Technologies Lab (GTL), a core facility that provides high-throughput genomic services. Strong potential for engagement and collaboration with resources such as the Rocky Mountain Herbarium and high-performance computing resources will be looked upon favorably.

The appointment will be 75% in the Department of Botany and 25% in the School of Computing. Competitive candidates will also show evidence of teaching effectiveness and grantsmanship, a strong publication record, and a research program that includes student mentorship. Typical teaching loads are one course per semester (1:1) and may include contributions to undergraduate courses in evolutionary biology, genetics, or plant and fungal biology, as well as developing new undergraduate or graduate level courses in evolutionary biology, computational biology or bioinformatics. One of these courses would be expected to contribute to the School of Computing's Applied Computing concurrent degree or newly proposed BS Data Science degree program. The position is tenure-track with a 9-month appointment.

About the Department of Botany

The Department of Botany is an interdisciplinary, collaborative department focused on conducting innovative research, teaching and outreach on the patterns and processes of life. Our research spans broad areas of the ecology and evolution of plants, animals, ecological and evolutionary theory, and statistical developments for the life sciences. We are part of UW's College of Agriculture, Life Sciences, and Natural Resources, and contribute strongly to the University's land-grant mission.

The Botany Department is unique at UW in our focus on fundamental research and teaching in biology and biodiversity at population, community, and ecosystem scales. Our faculty conduct basic and applied research relevant to the state, nation and globe. Topics include ecological disturbance, invasive species, symbiosis, global climate change, ecohydrology, forestry, and conservation genetics. Within the department, we offer a B.S. and M.S. in Botany, a B.S. in Biology, and our faculty participate in several interdisciplinary degree programs, including the PhD Program in Ecology and Evolution.

About the School of Computing

The School of Computing is dedicated to advancing the use of computing across disciplines while equipping students with essential digital and computational skills. The school emphasizes interdisciplinary, translational research that applies state-of-the-art computing to society's grand challenges. Most faculty in the School of Computing have joint appointments with other academic units or programs, so that research areas span varied applications including animal behavior, astrophysics, atmospheric science, archaeology, computer science, ecology, hydrology and mathematics.

The University of Wyoming has access to various computing resources including the Advanced Research Computing Center (ARCC) and Wyoming INBRE Data Science Core. In addition to on-campus resources, the University has a longstanding partnership with the National Center for Atmospheric Research (NCAR) and the NCAR-Wyoming Supercomputing Center, providing

dedicated resources for UW researchers.

About The University of Wyoming

The University of Wyoming is located in Laramie, a town of 30,000 in southeast Wyoming in the heart of the Rocky Mountain West. Laramie is located in a high mountain valley 20 minutes from the Colorado border and less than 2.5 hours from Denver's international airport. This beautiful mountain landscape offers outdoor recreational opportunities in all seasons in its nearby mountain ranges to the east and the west.

How to Apply

Candidates must have a Ph.D. in ecology and evolutionary biology or a related field at the time of hiring, excellent written and oral communication skills, high potential for an extramurally funded research program, and demonstrated capacity for effective teamwork and collaboration.

Potential candidates should visit the job description at

— / —

VanderbiltU ResTech ExperimentalEvolution

The Behringer Lab in the Department of Biological Sciences at Vanderbilt University is looking for a Research Assistant to oversee long-term experimental cultures of Escherichia coli under various stresses. The Behringer lab is a young and vibrant team dedicated to understanding fundamental biological processes in a collaborative environment. Our lab is actively involved with the Vanderbilt Evolutionary Studies Initiative and the Vanderbilt Institute for Infection, Immunology, and Inflammation, making it a wonderful opportunity for recent graduates looking for a two-year position to gain valuable research experience prior to pursuing a graduate degree. The major research focus of this position is understanding how ecological perturbations shape co-culture dynamics, which aligns with the global lab interests of how microbes evolve in stressful environments. The Research Technician is a key member of the research team responsible for supporting the research, organization, and day to day operations of the lab. As such, this position requires skills in microbial cell culture, nucleic acid extraction, and project organization. Applicants with experience conducting experimental evolution, bacterial cell culture, or phage culture are strongly encouraged to apply. For more information e-mail the PI, Megan Behringer (megan.g.behringer@vanderbilt.edu) with your CV/resume.

"Behringer, Megan" <megan.g.behringer@Vanderbilt.Edu>

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WarrenWilsonC AshevilleNC ConservationBiol

Dear colleagues,

Warren Wilson College (Asheville, NC) invites applications for two full-time, tenure-track positions beginning in August 2026:

Assistant Professor of Conservation Biology

Link to position description and application < https://warren-wilson.breezy.hr/p/9af1a402eee4-assistant-professor-of-conservation-biology >

Assistant Professor of Cellular Biology and Microbiology

Link to position description and application < https://warren-wilson.breezy.hr/p/0a748f817a5b-assistant-professor-of-cellular-biology-and-microbiology > Both positions are housed in our Biology and Chemistry Department, where we value excellence in undergraduate teaching, inclusive pedagogy, mentoring students, and active scholarship that engages undergraduates. Faculty teach three courses per semester, maintain an active research program, and contribute to departmental and college service.

The Conservation Biology position emphasizes organismal biology, ecology, and evolution, and we particularly encourage applications from candidates whose research and teaching integrate field-based, community-based, and quantitative approaches.

The Cellular Biology and Microbiology position emphasizes cellular/molecular processes and microbiology, and we welcome candidates whose expertise complements existing departmental strengths and who can offer courses in cellular and microbial biology, as well as contribute to the core biology curriculum.

Evolutionary biologists are especially encouraged to ap-

ply.

Review of applications will begin October 15, 2025 and continue until the positions are filled. Please see the full postings (linked above) for details about qualifications and application instructions.

Warren Wilson College is a liberal arts institution located in the Blue Ridge Mountains near Asheville, North Carolina. We are committed to integrating academics, community engagement, and work experience, and we're actively seeking faculty who will contribute to our lively, inclusive and supportive community.

Sincerely, Alisa Hove

Alisa Hove, PhD (she/ her/ hers) Professor of Biology Associate Dean of Grants and Sponsored Programs Co-chair, Biology and Chemistry Department

Warren Wilson College PO Box 9000 Asheville, NC 28815-9000

Office: Witherspoon 105

Phone: (828) 771-3071 Email: ahove@warren-wilson.edu

Other

Evolution AssociateEditorsCall

The Evolution editorial team seeks Associate Editors to serve three-year terms beginning January 2026. Associate Editors receive free membership in the Society for the Study of Evolution (https://-www.evolutionsociety.org/) for the duration of their term and free registration for the annual Evolution meeting (https://www.evolutionmeetings.org/)

We strongly encourage nominations and self-nominations of individuals who represent the full diversity of the evolutionary biology community, including (but not limited to) all aspects of identity and background, types of institution, geographic location, or scientific approach.

To indicate your interest, provide your affiliation, research interests, and contact information in this short form: https://forms.gle/JwAmeM4YV9FvLNMT9 Deadline: September 30

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

IDEA Award CallForNominations

The American Society of Naturalists, the Society for the Study of Evolution, and the Society of Systematic Biologists announce the call for nominations for the ASN/SSE/SSB Inclusiveness, Diversity, Equity, and Access (IDEA) Award.

The IDEA Award will be given to a person at any career stage who has strengthened the ecology and evolutionary biology community by promoting inclusiveness and diversity in our fields. Resubmissions (with or without updates) of previous nominees who did not receive the award are welcomed. The award can also be presented to a group. The recipient(s) will be invited to present a plenary lecture at the annual Evolution meeting. Each recipient will also receive a plaque and a $1000 honorarium (shared among recipients if more than one).

Learn more and submit a nomination: https://www.evolutionsociety.org/society-awards-and-prizes/inclusiveness-diversity-equity-and-access-idea-award.html Deadline: October 15, 2025

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

JEvolBiol SpecialIssue CallEvolAtSpeceisEdges

Special issue on “Evolution at species range edges” in J. Evol. Biol. - Call for papers We invite you to contribute a manuscript to our the Special Issue “Evolution at species range edges” in the Journal of Evolutionary Biology. To express an interest, or if you’d like to know more about the Special Issue, please contact John Pannell (john.pannell@unil.ch).

Deadline for submission of manuscripts: 30th January 2026

Summary Almost all organisms have geographical distributions that are limited by range margins. But why? What prevents the evolution of local adaptation in populations at a range margin from allowing the species to expand its range into new territory? One idea is that marginal populations are small and genetically depauperate, with limited potential for local adaptation. Gene flow into such populations would then increase their potential for expansion. Another idea is that migration into range margins brings alleles from elsewhere that are not locally adapted, compromising population fitness and the species’ potential for expansion. Further: how do margins at high latitudes differ or resemble those at high elevations? Are southern and northern margins regulated differently? And, not least, how should we expect marginal populations to respond to changing environments or climates compared to more central populations? While these are old questions, we remain surprisingly ignorant of their answers. This special issue will feature recent theories on species range margins and expansions and empirical work aimed to test established and new theories. It especially aims to gather new insights from work on different organisms (animals, plants and microbes) studied in different types of marginal habitats (latitudinal, elevational, precipitation-dependent, edaphic) with different biological foci (ecological, population genetic). Overall, the special issue seeks an updated view on why species have range margins and how marginal populations should evolve differently from others.

Guest editors Shengman Lyu, email: shengman.lyu@unil.ch Sophie Karrenberg, email: sophie.karrenberg@ebc.uu.se

John R. Pannell, email: john.pannell@unil.ch

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RoyalSocPubl Sustainability

The following issue from Royal Society Publishing Philosophical Transactions B is widely read and highly cited and is now FREE to access:

Evolution and sustainability: gathering the strands for an Anthropocene synthesis compiled and edited by Peter Sogaard Jorgensen, Timothy M Waring and Vanessa P Weinberger and the articles can be FREELY accessed at

www.bit.ly/PTB1893 A print version is also available at the special price of 40.00 per issue fromsales@royalsociety.org

Felicity Davie Royal Society Publishing T +44 20 7451 2647 The Royal Society 6-9 Carlton House Terrace London SW1Y 5AG

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SMBE IDEA ProposalCall

Call for proposals - SMBE IDEA 2026

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 September - 10 October - Submit your initial description via this form: https://docs.google.com/forms/d/e/-1FAIpQLSdGRHX9HspfcRAZ0X2VeZiBL7zZSyrNfgSypPcCzSAok_tK4viewform 31 October - Notification of project preselection. 14 November - Full project submission 15 December - Notification of results

SMBE IDEA taskforce <smbe.idea@gmail.com>

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Survey unexpected results

Hello,

I am an evolutionary biologist and biology education researcher conducting a collaborative research project to understand the impacts of unexpected research outcomes on biologists (including evolutionary biologists and systematists), with the end-goal of creating educational materials that build resilience to these outcomes in undergraduate students. Unexpected results (i.e. results that don't support the hypothesis of a study) are a ubiquitous but seldom studied experience in research and undergraduates may erroneously view these types of results as failures. In my studies in evolutionary biology, I have experienced unexpected research outcomes multiple times in my career. To achieve our goal of studying these outcomes, we have designed a survey for researchers that characterizes their experiences with and perceptions of results that do not support hypotheses.

For more information about this study, please read the attached information letter. For those interested in participating in our study, you can access the survey here: https://sunybuffalo.qualtrics.com/jfe/form/-SV_01F9xiwhz4SK0fQ The survey should take 15 minutes or less to complete. We ask that you please forward this message to any colleagues that you think would be interested in participating.

Thank you for helping with our efforts to improve career

outcomes for evolutionary biologists in training, and please reach out with any questions.

Cheers, Robin Costello, Assistant Professor, University at Buffalo Carolyn Graham, Postdoctoral Researcher, University at Buffalo Melissa Kjelvik, Research Specialist, Michigan State University Elizabeth Schultheis, Education & Outreach Coordinator, Kellogg Biological Station LTER, MSU

Carolyn Graham, PhD She/her/hers Postdoctoral Researcher Costello Lab University at Buffalo https://-cdkgraham.wixsite.com/carolyn-graham Carolyn Graham <graham29@buffalo.edu>

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WTF evolution examples

I am teaching an advanced evolution class for undergraduates and just saw the Nature paper on xenoparity in Messor ants.

I was hoping to develop a unit in the class that has students reading solid papers that have results that are really unexpected, surprising or just doni¿½t make sense in the context of evolutionary biology. The Messor paper is a candidate as are some papers about genetic drive.

But I thought I would reach out to see if anyone in the evolution community had some good suggestions. You can email me directly.

Rodney Mauricio University of Georgia mauricio@uga.edu

Rodney Mauricio <mauricio@uga.edu>

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PostDocs

AdamMickiewiczU HumanSexualSelection

We invite applications for one full-time Post-doctoral Researcher to join a new research group led by Dr Aleksandra Åukasiewicz at the Institute of Human Biology and Evolution, Adam Mickiewicz University (AMU) in PoznaÅ.

Project

This Polish National Science Centre-funded project, "Condition-dependent mechanisms of gamete-level mate choice (post-mating sexual selection) in humans," investigates how male conditionâby immunocompetence and pathogen-recognition abilityâsperm performance and cryptic female choice at the gamete level. The work aims to shed light on mechanisms and the evolution of post-copulatory sexual selection in humans.

Role & Responsibilities - Design and conduct experiments across phenotypic assays, wet-lab work, and Oxford Nanopore (MinION) sequencing. - Analyse genomic/transcriptomic data; apply robust statistical and computational genomics approaches. - Lead manuscript preparation and conference presentations. - Collaborate within a multidisciplinary team and help mentor junior researchers. - Contribute to lab organisation, protocols, and data management.

About You (Essential) - PhD in biology, biotechnology, evolutionary biology, genetics, or a related field (awarded within the last ˜7 years, or close to completion). - Solid grounding in molecular and evolutionary biology plus genomics/transcriptomics. - Hands-on expertise in molecular and cellular biology and (human) molecular genetics. - Strong quantitative skills (statistics; proficiency in R and/or Python). - Track record of productivity (publications appropriate to career stage). - Team-oriented, proactive, and highly self-motivated; excellent English communication.

Desirable Experience with Oxford Nanopore sequencing, bioinformatics pipelines, and/or immunology-related assays.

What We Offer - 24-month, full-time appointment within a supportive, growing lab. - Structured training opportunities and short research visits to partner institutions. - Modern facilities and an open, collaborative research culture.

Salary & Start -â9,500 gross per month (approx. PLN ˜6,800 net, post-tax; estimate). -âdate: November 2025 (or later)

How to Apply Please email a single PDF to a.lukasiewicz@amu.edu.pl with the subject line: Postdoc Application - [Your Name]. Include: 1. CV (with scientific achievements) and list of publications; 2. Cover letter detailing your previous work and future research interests; 3. Contact information for two referees.

GDPR consent (required): "I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)."

Application review: Applications will be considered on a rolling basis until the position is filled (open competition).

Questions? Email a.lukasiewicz@amu.edu.pl.

Aleksandra Åukasiewicz, PhD Institute of Human Biology and Evolution Adam Mickiewicz University

Aleksandra Åukasiewicz <a.lukasiewicz@amu.edu.pl>

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ArizonaStateU RodentMicrobeGenomics

*Research Topics: Coevolution; Genomics; Microbiome; Wild Rodents; Bioinformatics; GWAS

*Location: Suzuki Lab Biodesign Center for Health Through Microbiomes Arizona State University, Tempe campus

*Description: The Suzuki Lab is seeking a postdoctoral researcher to join our NIH-funded project on mammal-microbial coevolution. We use wild rodents from the Arizona Sky Islands as a model to investigate the host genetic basis of microbiome variation and its impact on mammalian biology.

Understanding the genetic drivers and transmission patterns of complex mammalian microbiomes is a fundamental question in the ecology and evolution of mammals and their microbes. Host genetic variation has been associated with gut microbiome variation (phylosym-

biosis) (https://onlinelibrary.wiley.com/doi/10.1111/-mec.15139), and host species and populations often harbor distinct microbial strains that parallel host evolutionary history (host-microbial codiversification) (https://-www.science.org/doi/10.1126/science.abm7759). However, the extent, mechanisms, and health implications of host-microbial phylosymbiosis and codiversification remain unresolved.

The goals of this project are to (1) generate population genomic data from multiple rodent species across multiple Arizona Sky Islands, (2) test host-microbial phylosymbiosis and codiversification within and between rodent species, and (3) identify host genomic regions associated with microbial compositional and strain-level variation. We currently have 500+ host tissue samples ready for sequencing and paired gut microbiome data from two mountains. We are expanding to additional mountains, sampling other tissue types (oral, skin, vaginal), and launching captive experiments with three species of deer mice (Peromyscus spp.). This work is conducted in collaboration with Nathan Upham (ASU), Brett Pasch (University of Arizona), and Lauren Petrullo (University of Arizona).

The postdoc will directly engage in projects within the scope of this program and is encouraged to develop independent questions using the system and samples to advance understanding of the ecology and evolution of animal hosts, microbes, or their interactions.

*Qualifications: - Ph.D. in Genomics, Phylogenetics, Population Genetics, Computational Biology, Metagenomics, Evolutionary Biology, or a related field - Demonstrated record of publications in related areas - Research experience generating or analyzing large-scale genomic data; experience with Genome-Wide Association Studies (GWAS) or similar approaches is ideal - Enthusiasm for working with non-model mammalian genomes and integrating microbiome data - Microbiome analysis experience is not required

*Position: - Fully funded by NIH MIRA - The position is expected to last 2-3 years, with possible extensions - Competitive salary following NIH guidelines - Ideal start date: 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 Taichi Suzuki (taichi.suzuki@asu.edu).

*Deadline: Applications will be reviewed on a rolling basis until November 15, 2025.

*Contact: Taichi Suzuki, Ph.D. College of Health Solutions Biodesign Center for Health Through Microbiomes Arizona State University Tempe, AZ, USA Email: taichi.suzuki@asu.edu Website: https:/-/www.taichilab.org/ Taichi.Suzuki@asu.edu

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CPG Stockholm Microtine Palaeogenomics

Postdoctoral Fellowship in Microtine Palaeogenomics at Stockholm University

PROJECT: The Department of Zoology invites applications for a postdoc position (for two years) based within Prof. Love Dalén's research group at the Centre for Palaeogenetics (CPG) in Stockholm. The position is funded by a grant from the European Research Council (ERC AdG PrimiGenomes). The postdoctoral project will be aimed at using palaeogenomics to examine the Pleistocene evolution of voles and lemmings (microtine rodents). This is an ambitious project that will include extraction, sequencing and computational analysis of ancient DNA from prehistoric specimens that are up to 2.6 million years old (i.e. twice the age as the oldest palaeogenomes recovered to date). A large number of samples are already available in the collections at CPG, but there are also possibilities for additional fieldwork. Some of the topics that will be addressed include investigating the tempo and mode of speciation, the degree of hybridization among lineages, as well as the timing, rate and extent of adaptive evolution and demographic change in response to past climatic changes.

QUALIFICATION REQUIREMENTS: In order to qualify for a Postdoctoral position, applicants are required to hold a Swedish doctoral degree or an equivalent relevant degree from another country. The degree must have been completed no later than when the employment decision is made.

ASSESSMENT CRITERIA: It is considered an advantage if the doctoral degree or an equivalent degree was completed no more than three years prior to the application deadline. Under special circumstances, an older degree may also be an advantage. Special circumstances refer to sick leave, parental leave, elected positions in trade unions, service in the total defense, or other similar circumstances, as well as clinical attachment or service/assignments relevant to the subject area. In the selection process, particular emphasis will be placed on scientific excellence, including research expertise within

the field. Strong knowledge and documented experience in laboratory analyses of ancient DNA, handling large-scale sequencing data using scripts and programming, as well as bioinformatics and computational genomics, are considered important qualifications. Additional merits include knowledge in paleontology, paleoecology, and evolutionary biology. Since the position involves collaboration within a larger team of researchers and students, personal qualities will also be taken into account, such as strong collaborative and analytical skills, the ability to work independently and take initiative, and a well-developed sense of responsibility. A good ability to communicate effectively in spoken and written English is likewise regarded as a merit.

ABOUT THE POSITION: The position involves full-time employment for a maximum of two years, with the possibility of extension under special circumstances. Start date 2026-01-01 or as per agreement.

DEADLINE FOR APPLICATIONS: September 22nd 2025

MORE INFORMATION & APPLICATION LINK: https://su.varbi.com/en/what:job/jobID:852120/ Love Dalén <love.dalen@zoologi.su.se>

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Denmark DTU GenomicSimExtinction

Postdoc in Genomic Simulations and Extinction Risk Modelling

DTU Health Tech, Kgs. Lyngby, Denmark

We are seeking a postdoctoral researcher to join a Novo Nordisk Foundation-funded project bridging evolutionary genomics, simulation modelling, and conservation science. The project focuses on developing predictive frameworks linking genomic data to extinction risk, using forward-in-time simulations, empirical genomic datasets, and machine learning.

Applicants should hold a PhD in bioinformatics, computational biology, evolutionary genomics, or related fields, with strong programming skills and experience in population genetic simulations (e.g., SLiM, msprime).

The position is for 2 years, starting 1 February 2026 (or by agreement).

Full details and application link: tinyurl.com/BioExtPD

Application deadline: 24 October 2025.

Contact: Michael Westbury (micwe@dtu.dk)

Mick Westbury <micwe@dtu.dk>

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IndianaU ReproductionEvolutionDisease

THE COMMON THEMES IN REPRODUCTIVE DIVERSITY PROGRAM (a multi-disciplinary program at Indiana University in Bloomington, IN) has 2 open positions for 2-year NIH traineeships to support broadly integrative training in the areas of sexual reproduction and development. Research must focus on behavior and physiology in humans and other animals and will address key questions in three related themes: (1) developmental contributions to reproductive behavior, including all levels of proximate and ultimate factors, from genomes to hormones to the environment; (2) origins and expression of differences among the sexes, including evolutionary and ecological drivers; and (3) interactions between sex, health, and disease, including disease ecology and co-evolutionary dynamics. Indiana University's globally recognized strengths in animal behavior, endocrinology, human sexual health, development, and evolution will ensure high quality interdisciplinary training. PhD in biology, psychology, neuroscience, anthropology, gender studies, or a related field is required. Funding is from an NIH T32 training grant, "Common Themes in Reproductive Diversity", described here: https://reporter.nih.gov/search/-tkwkKtadrUm6rFCBMUaEnw/project-details/-11137703 . Applicants should make initial contact with two or more members of the training faculty (https://ctrd.indiana.edu/who-we-are/faculty/) who might serve as interdisciplinary mentors, to develop possible research/training projects. Additional information about applying is available on the CTRD website (https://ctrd.indiana.edu/how-to-apply/. Review of applications will begin as early as November 1, 2025. For best consideration, applicants must be able to start the position by January 2026.

Indiana University is an equal opportunity employer and provider of ADA services and prohibits discrimination in hiring.

–

Sent on behalf of the CTRD Steering Commitee

Dale Sengelaub

Kim Rosvall

Troy Smith

Laura Hurley

Greg Demas

Jeff Alberts

“Rosvall, Kimberly” <krosvall@iu.edu>

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MoravianU Phylogenomics Biogeography

Postdoctoral Scholar in Phylogenomics and Biogeography, Moravian University

The Proud Lab in the Department of Biological Sciences at Moravian University is seeking a Postdoctoral Scholar to join a highly collaborative, NSF-funded research project focused on the evolutionary history and biogeography of Opiliones (NSF Grant #2337605). They will work closely with the Principal Investigator, undergraduate researchers, and international collaborators to reconstruct evolutionary relationships, evaluate patterns of evolution, and test biogeographic hypotheses using a phylogenomic framework based on ultraconserved elements (UCEs). This position offers opportunities to build an independent research program, gain significant teaching and mentoring experience, and contribute meaningfully to a collaborative and supportive academic community.

To read the full position description, and to apply, please visit: https://ibtsjb.fa.ocs.oraclecloud.com/-hcmUI/CandidateExperience/en/sites/CX_2/job/147 Daniel N. Proud, Ph.D. He / Him / His Associate Professor of Biological Sciences Department of Biological Sciences Moravian University 1200 Main Street, Bethlehem, PA 18018

Email: proudd@moravian.edu

proudd@moravian.edu

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NewYork BotanicalGarden PanamaIsthPlantMigration

Postdoctoral scholar opportunity -New York Botanical Garden-Bedoya Research group

Learn more and apply here: https://-www.nybg.org/about/work-with-us/employment/-?p=job%2FogzBxfwH The postdoctoral scholar will work on an NSF-funded collaborative project (NYBG-STRI-University of Washington) aiming to investigate plant migration and river connectivity with the closure of the Isthmus of Panama. Funding for the Postdoc is 2-3 years and they will lead the phylogenetics and population genetics elements of the project (including integrative distribution, demographic, and coalescent modeling). Therefore, a strong background in both fields is required. It would be a plus if the postdoc has prior fieldwork experience in tropical America and a background in Neotropical botany. Start date: April 2026. (flexible).

This an in-person appointment. The scholar will receive $65,000 plus benefits. Funds cover all research expenses, conference travel and a workshop at STRI. Position open until filled. Application review will start on October 15th, 2025. For inquiries email abedoya@nybg.org

Ana María Bedoya, PhD. Assistant Curator New York Botanical Garden 2900 Southern Blvd Bronx, NY, 10458

abedoya@nybg.org

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Nice France Two NematodeBehaviouralEvolution

Postdoctoral Positions - Genetics, Evolution, and Ecology of Nematodes Braendle Lab, Institute of Biology Valrose, Nice, France

Our research focuses on uncovering the mechanisms underlying evolutionary changes in developmental and behavioral processes in nematodes. Current work emphasizes the evolution of egg-laying behavior and tran-

sitions to viviparity. In parallel, we study the natural history, ecology, and phylogenetics of Caenorhabditis nematodes.

We are recruiting TWO postdoctoral researchers for projects funded by HFSP (Human Frontier Science Program) and ANR (Agence Nationale de la Recherche). Flexible start dates: January to July 2026.

Project 1: Behavioural adaptation to arsenic-rich environments (HFSP)

This project investigates behavioral, metabolic, and physiological adaptations that enable nematodes to survive in arsenic-rich and other extreme environments. A key focus is understanding how reproductive behavior changes particularly the transition from egg-laying to viviparity contribute to survival. Phylogenetic analyses will trace the evolution of viviparity across nematodes, and we aim to identify convergent survival strategies.

Background: Mignerot et al., 2024. DOI: 10.7554/eLife.88253.2 Collaborators: - Cornelia Bargmann (Rockefeller University, USA) - Elizabeth New (University of Sydney, Australia) - Ryoji Shinya (Meiji University, Japan)

Candidate Profile: Applicants from diverse backgrounds are encouraged, including: * Evolutionary biology, ecology, comparative genomics, phylogenetics * Molecular genetics, developmental biology, neurobiology * Nematode systematics and taxonomy

Ideal candidate: - Strong skills in experimental design, data analysis, and bioinformatics - Excellent English communication - Experience with C. elegans or other nematodes highly desirable

Project 2: Plasticity and evolution of egg-laying behaviour (ANR)

This project studies the molecular basis of genetic assimilation in nematode egg retention, a conditional trait shaped by neuromodulation. Using natural and experimental populations of C. elegans, the project will apply genome-wide association mapping, CRISPR-Cas9 editing, and experimental evolution to explore adaptive significance.

Collaborator: - Henrique Teotonio (Ãcole Normale Supérieure, Paris)

Background: Vigne et al., 2021. DOI: 10.1126/sciadv.abd9941

Candidate Profile: The ideal candidate will have a strong background in evolutionary genetics and bioinformatics, including: * Population and comparative genomics, statistical genetics * Bioinformatics pipelines for large-scale genomic and transcriptomic data

Additional experience in molecular genetics or nematode biology is advantageous.

Position and Salary

* Duration: Up to three years, start date flexible * Salary: According to CNRS / Université Côte d'Azur guidelines, commensurate with experience

Work Environment

The Braendle lab is part of the Institute of Biology Valrose (IBV), located in the center of Nice on the Mediterranean coast. The institute hosts 25 research groups with over 200 members from diverse disciplines and nationalities.

* Working language: English * Offers: Supportive atmosphere, modern infrastructure, technical expertise, interdisciplinary collaborations

More info: http://ibv.unice.fr/research-team/braendle/ How to Apply

Please send a single PDF containing: 1. Curriculum Vitae (CV) 2. Brief description of previous research experience (max 2 pages) 3. Cover letter outlining motivation and interest 4. Names and contact info of three referees

Deadline: November 30, 2025 Email: christian.braendle@univ-cotedazur.fr

Christian Braendle <Christian.BRAENDLE@univ-cotedazur.fr>

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TexasAMU Plant-EndosymbiontCoevolution

How to apply: https://tamus.wd1.myworkdayjobs.com/-en-US/TAMUCC_External/job/Postdoctoral-Research-Associate_R-087253-1 Job Title Postdoctoral Research Associate Agency Texas A&M University - Corpus Christi Department College of Science - Life Sciences Proposed Minimum Salary Commensurate Job Location Corpus Christi, Texas Job Type Staff Job Description

TAMU-CC is a dynamic university designated as both a Hispanic-Serving Institution (HSI) and Minority-Serving Institution (MSI) with approximately 11,000 students from 47 states and 54 foreign nations. We employ over

1,400 full-time and 2,000 part-time Islanders (including students/GAs). The University attracts highly talented faculty and staff and offers an array of undergraduate and graduate degrees, including doctoral programs. As a member of the Texas A&M University System, TAMU-CC benefits from a range of resources, increased visibility and influence, and opportunities to collaborate in mutually beneficial ways with peers across member institutions and associated agencies.

TAMU-CC's beautiful campus is located on a 240-acre island on Corpus Christi Bay and was ranked #1 College by the Sea by Best College Reviews. Our natural setting is enhanced by its modern, attractive, and state-of-the-art classroom buildings and support facilities.

Learn more information here < https://-www.youtube.com/watch?v=EwQR4HbGJu0 >!

PURPOSE A two-year competitively funded postdoc position is available in Candice Lumibao's Plant, Microbe and Global Change laboratory at Texas A&M University- Corpus Christi (TAMU-CC), in collaboration with University of South Alabama (Jeremiah Henning; http://www.jeremiahahenning.com/) and St. Mary's College of Maryland (Lorena Torres Martinez; https://ltorresmartinez.com/). We seek a dynamic and collaborative colleague with extensive experience with plant genomics, plant-microbe interactions, greenhouse work and/or bioinformatics, as well as some experience in microbial work and fieldwork in coastal marshes. Fieldwork will primarily be focused on collecting environmental data including Spartina plant tissues and rhizosphere soils as well as measuring other environmental variables such as pH, salinity, soil nutrients along the bays of south Texas. Genomics work will include characterizing genomic variations in host plant and levels of endosymbiont colonization along an ecological gradient.

The postdoc is expected to work closely with collaborators from University of South Alabama and St. Mary's College of Maryland. There is also an opportunity to use the data collected to develop independent lab-based project(s) aligned with the postdoc's research interests and expertise. TAMU-CC facilities include a genomics core lab and High Performance Computing (HPC) facility. The postdoc will also help generate, organize, analyze, and disseminate various types of datasets, mentor and train university students, and assist with community outreach projects. For more information about Lumibao lab or the Department of Life Sciences, visit https:/-/candicelumibaolab.com/, https://www.tamucc.edu/-science/departments/life-sciences/. The position is expected to transition to St. Mary's College of Maryland in Year 3 of the project. Review will start by October 1, 2025. The expected start date is January 1, 2026 but can be negotiable. DESCRIPTION Functional Area 1: Fieldwork Percent Effort: 25%

* Logistical planning for data collection * Collecting samples, including plant roots, leaves and soil samples from field sites

Functional Area 2: Research/Lab Work Percent Effort: 65%

* Molecular and genomic work * Data organization and management * Data analyses * Data dissemination including write-up of reports and conference presentations

Functional Area 3: Service Percent Effort: 10%

* Student mentorship and training (K-12 and undergraduate) * Data analyses and dissemination of community outreach initiatives

QUALIFICATIONS

* PhD in Biology, Ecology, Plant Science or related discipline (degree obtained prior to start date) * Experience in plant genomics, greenhouse experimentation and bioinformatics * Experience in fieldwork or collecting data from field sites * Strong evidence of scholarly accomplishments (peer-reviewed journal publications, grants) * Excellent written and verbal communication, and ability to work successfully in a collaborative environment demonstrated by prior experience * Excellent teamwork, leadership, and organizational skills * Previous mentorship experience

PREFERRED QUALIFICATIONS

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Toulouse MacroevolutionPhenotypicEvolution

Two years postdoctoral position in macroevolution and phenotypic evolution at University of Toulouse (M/W). France.

Deadline November 1st, 2025.

In the context of the current biodiversity crisis, there is a pressing need to understand how biodiversity patterns have been created and assembled. The number of species is not distributed evenly around the globe

(Rohdeet al.1992, Pennisi 2005, Mittelbachet al.2006) as there are many more species in the tropics than in the temperate regions. This pattern called the latitudinal diversity gradient is arguably the most famous unexplained biogeographical pattern on Earth (Pianka 1966, Rohde 1992, Mittelbach 2006).Since its first description at the beginning of the XIXth century by Humboldt (Hawkins 2001, Lomolinoet al.2010), it has now been described among most clades of animals, plants and microbes (Hillebrand 2004, Rolland & Freeman 2023) and it remains one of the greatest unsolved mysteries of evolution and ecology (Pennisi 2005).

A classic explanation of the latitudinal diversity gradient is that the increase of species diversity in the tropics should be associated to an increase in biotic interactions ('diversity begets diversity' hypothesis, e.g. Mayer & Pimm 1997, Schemske 2009), that ultimately also increase speciation rate. Although this 'biotic interaction' hypothesis is well known in evolutionary biology, it has not been properly tested at a global scale (Moles & Ollerton 2016).In theory, biotic interactions should impact the shape of phylogenies (Moen & Morlon 2014, Condamineet al.2019) and the evolution of phenotypes of species. The divergent selection associated with competition is expected to cause shifts in trait evolution in order to partition resources among competitors ("character displacement", Schluter 2000, Pfennig & Pfennig 2009). New models have recently been developed to specifically detect these biotic interactions using large phylogeny and trait datasets (see Druryet al.2021).

In this project, the Postdoc will study whether biotic interactions vary with latitude, using phylogenetic models of trait evolution. More specifically, she/he will test the hypothesis that species interactions are stronger in the tropics, using models of phenotypic evolution which detect interactions among lineages.The Postdoc will test whether tropical clades show more support for diversity-dependent phenotypic evolutionary models (Druryet al.2016) than for other models not including biotic interactions. All of those models will be fitted on mega-phylogenies and exceptionally large dataset of traits for nearly 54 000 species of vertebrates to test this hypothesis.

The candidate should have a PhD in Biology/Evolutionary Biology and skills in bioinformatics and macroevolution (ideally models of phenotypic evolution). The technical challenge will be to manage large datasets for many clades and fitting a large number of models. Softwares will be mostly in R but will likely involve other bioinformatics tools (Bash, python) and the use of computational clusters. The candidate should be motivated to interact with other scientists in the group (currently 3 PhDs and 1 postdoc), proficient in English, with a good publication record.

He/she will be mainly supervised by Jonathan Rolland (CNRS, at the University of Toulouse), in close collaboration with other members of the latitudinal Mysteries ANR project: with international collaborators (J. Drury and D. Schluter) and other french collaborators (such as J. Clavel, J. Chave, G. Grenouillet, J. Murienne, P. Tedesco, A. Fouquet).Our lab combines genetics/genomics, phylogenetics, niche modelling, paleontology and computational methods to investigate how diversity is distributed on earth and how latitudinal gradients have been shaped through time.

At a local scale, the postdoc will be involved in the organization of seminars/journal clubs in the laboratoryCentre de Recherche sur la Biodiversité et l'Environnement(CRBE). The project will also benefit from the rich scientific environment in the laboratory CRBE in the university of Toulouse.

Toulouse is the main city in the South-West of France with a lively atmosphere, located one hour from the Pyrenees mountains, two hours away from Montpellier and three hours from the Atlantic Ocean.

Gross monthly salary will be between 2991 and 4166 euro according to the past experience of the candidate.The successful candidate is supposed to move to France (ideally from the beginning of 2026).

Please apply on the "Portail emploi" of the CNRS (https://emploi.cnrs.fr//Offres/CDD/UMR5300-JONROL-002/Default.aspx)with (1) a short statement (~1 page) that describes your research accomplishments and motivation for applying, including the contact information for two references (2) a CV.

For more information about research in our lab, please visit:

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TU Germany Three Biodiversity

Three PostDoc positions (m/f/d) on ecological synthesis:

??? 1-2 open positions for synthesis in the DFG-funded Infrastructure Priority Programme Biodiversity Exploratories (3 years)*

??? 1 open position for synthesis in the DFG-funded Research Unit Reassembly (Ecuador) (4 years)*

Positions will be located in the Ecological Networks lab at the TU Darmstadt, starting around March 2026 and will form a dynamic team. Successful candidates must hold a Dr./PhD in ecology or related subjects, and ideally have some postdoctoral experience as well.

Important criteria:

(1) Do you have experience of managing and analysing large, complex datasets using advanced statistical methods?

(2) Have you successfully published your research in renowned scientific journals?

(3) Would you enjoy working in a team with several international scientists from different ecological disciplines and supporting young international scientists with data analysis (e.g. providing help desk support and running workshops)?

Focal topics include (but are not restricted to) biodiversity change, community ecology, species interaction networks, functional traits, climate change responses, microclimate, time series, land use and ecosystem regeneration. In both projects, the postdoc positions will lead major syntheses across different subprojects and multiple taxa, advise others, conduct workshops and support subprojects with analyses and further syntheses.

You can apply for one or both positions / projects; please indicate your preference. Please send your application to Nico Bl??thgen (bluethgen@bio.tu-darmstadt.de) before October 25th 2025 or preferably sooner. You may also send an informal request beforehand, together with your Google Scholar link and/or publication list. Emails will receive a confirmation within 3 days, if not, please don???t hesitate to send a reminder.

Positions are full-time and expected to be in Darmstadt; visits to field sites and conferences are welcome. Part-time positions are also possible.

Our lab: Research in the Ecological Networks lab led by Prof. Nico Bl??thgen focuses on species interactions across different ecosystems and functional groups, their responses to land-use and climate change, ecosystem restoration and biodiversity. Nico Bl??thgen is the speaker of the Research Unit ???Reassembly??? and the designated speaker of the ???Biodiversity Exploratories??? infrastructure programme. Other focal topics in research and teaching include investigations on climate change effects on biodiversity and ecosystem properties in forests surrounding Darmstadt. We share the lab with the Evolutionary Animal Ecology group led by Prof. Michael Heethoff working on soil ecology, functional morphology of predator-prey interactions and 3D imaging and digitisation of arthropods. The joint lab has a vibrant exchange across people, projects and a broad spectrum of methods, and besides having their own focus, researchers in the lab actively participate across projects.

Technical University of Darmstadt is one of Germany???s leading universities and offers an inspiring professional environment: Over 5,000 employees work, research and teach at TU Darmstadt in a wide variety of positions. As an employer, we value diversity, equal opportunities and opportunities for personal development. TU Darmstadt stands for openness and international focus in study, teaching and research and is open for students and scientists from all over the world.

Job announcement updates here:

https://www.reassembly.de/the-team/job-announcement/ Links:

https://www.biodiversity-exploratories.de/en/ https://-/www.reassembly.de/ https://www.econetlab.net/ *) subject to final confirmation by DFG by the end of September (Reassembly) / December (Exploratories)

“Bl??thgen, Nico” <bluethgen@bio.tu-darmstadt.de>

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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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UCollege London QuantitativeEcologyeDNA

Research Fellow in Quantitative/Network Ecology

Deadline for application: 15 October 2025

Dr Littlefair has been awarded a UKRI Future Leaders Fellowship which will investigate how ecological communities are responding to human impacts globally and deliver technological solutions to the problem of scale in biodiversity monitoring using widely distributed air sampling networks. We are seeking an experienced post-doctoral scientist to lead on the data analysis associated with this project. Your role will be to analyse biodiversity data derived from airborne environmental DNA to explain finescale temporal variation in species richness, turnover, and community composition, and how these change over time according to environmental variation and human impacts. We are also interested in approaches which integrate biodiversity data streams from other sources and predict the validity of eDNA records from surrounding land use datasets. You will lead on the management of these datasets from the UK and across the world. The end goal is to derive multi-trophic ecological networks from these datasets, using a combination of inference from repeated temporal sampling and trait-based network approaches. You will perform lab work alongside others in order to generate these datasets (training and support is available from us). This is a fixed term role with a funding end date of October 2028 in the first instance.

Full description and how to apply: https://www.ucl.ac.uk/work-at-ucl/search-ucl-jobs/details?jobId=38076&jobTitle=-Research+Fellow+%E2%80%93+Quantitative+Ecology Enquiries: Dr Joanne Littlefair j.littlefair@ucl.ac.uk

“Littlefair, Joanne” <j.littlefair@ucl.ac.uk>

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UCopenhagen WildWaterBuffalo PopulationGenomics

Postdoctoral Fellowship in Water Buffalo Population Genomics Department of Biology Faculty of Science University of Copenhagen

The Department of Biology, Faculty of Science at University of Copenhagen is offering a post doc position to work on population genomic analyses in water buffalos, commencing January 1st 2026 or as soon as possible thereafter. The 2-year post doc position is available with Associate Professor Rasmus Heller in the Section for Computational and RNA Biology, Department of Biology, University of Copenhagen. The successful candidate is expected to play a leading role in population genetic analyses using whole genome sequencing data from water buffalos, both museum samples and modern

tissue samples. In addition, there will be a possibility of working on other projects using population genomics in other large mammal species, under our large and diverse research program in wildlife genomics. There will also be a possibility of teaching courses or supervising student projects at various levels.

The wild water buffalo is an endangered species, whereas domesticated water buffalos of various types are both abundant and widespread. The specific duties of the candidate will be to perform analyses of whole-genome sequencing data with the aim of investigating the genetic composition of the wild water buffalo, and its relation to the various types of domesticated water buffalo. Project objectives include shedding light on the domestication process, and the extent of post-domestication gene flow. DNA will be obtained by a mixture of museum samples and tissue samples from the few remaining wild populations.

Description of the scientific environment The position will be in the group of Associate Professor Rasmus Heller (RH). RHs group works on using population genetic methods to infer evolutionary processes in wildlife species, including bovine domestication and evolutionary relations between wild and domestic bovines. Current focal research directions include speciation genomics, the genomic landscape of population divergence and introgression, and conservation genomics. The research group currently consists of one PhD. student and two post docs. For more information, see https://rathmuth.wixsite.com/wildlifegenetics. The group is part of the larger Statistical and Population Genetics group (www.popgen.dk), consisting of a dynamic team of four PIs working closely together on animal and human population genetics, high throughput data analyses, statistical genetics and method development. In addition, the hosting group has a strong national and international network of collaborators, and this project will involve collaborators conducting complementary work on buffalos and closely related species.

Qualifications To be considered, applicants must have a PhD in population genetics/genomics, bioinformatics or a similar quantitative field. A strong analytical profile will be prioritized for this position. In addition, the following are formal requirements to apply: * comprehensive experience in working with linux/unix and command lines, as well as proficiency in one or more programming languages (such as R, Python, Perl, C/C++). * experience in working with raw whole-genome sequencing data, including experience with data filtering and cleaning. * experience with state-of-the-art population genomic analyses. * experience in analyzing degraded DNA data, either aDNA or museum DNA. * demonstrated ability to communicate his/her scientific work in writing and in oral presentations. * must have published high-quality peer-reviewed papers.

In addition to these formal requirements, the following will be considered advantageous in candidates:

* is highly motivated, able to work independently and has good interpersonal skills. * is able to work efficiently in a team including several other participants. * has an interest in zoology, ecology, conservation or other areas of biological research, and an ability to link population genetic analyses to biological context.

Further information on the Department of Biology can be found at http://www.science.ku.dk/english/about-the-faculty/organisation/ .Inquiries about the position can be made to Head of Department Niels Kroer (nk@bio.ku.dk) or Rasmus Heller (rheller@bio.ku.dk).

The position is open from January 1st 2026 or as soon as possible thereafter, and has a duration of two years with a possibility for extension. The University wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal background.

Terms of employment

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UGothenburg Sweden PlantEvolGenomics

Postdoc in Plant Evolutionary Genomics

Department of Biological and Environmental Sciences, University of Gothenburg, Sweden

We are seeking a postdoctoral researcher to use genomic data for plants important to Maya societies and subsistence in tropical forests to assemble genomes and population-level Illumina data to model demographic change through time, identify signatures of environmental and human selection, and track plant domestication through space and time.

Applicants should hold a PhD in biology, bioinformatics, molecular biology or related fields, with knowledge in plant genomics, experience with bioinformatics, and strong analytical skills.

The position is for two years, starting January 12th 2026 or by agreement and is flexible.

Full details and application link: https://web103.reachmee.com/ext/I005/-1035/job?site=7&lang=UK&validator=-9b89bead79bb7258ad55c8d75228e5b7&job_id=38333 Application deadline: November 3rd 2025.

Contact: Christine D. Bacon (christine.bacon@gu.se)

Christine Bacon <christine.bacon@bioenv.gu.se>

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UHelsinki Finland GeneticIndicatorsFromEcoData

A postdoctoral researcher position in the analysis of genetic indicators from ecological monitoring data Research Centre for Ecological Change, University of Helsinki, Finland

About the position: We are seeking a postdoctoral researcher interested in spatio-temporal variation in genetic diversity and the analysis of genetic indicators. Specifically, the candidate will utilize the existing Finnish long-term monitoring datasets available at the Research Center for Ecological Change to: a) develop genetic indicator values for assessing the genetic health of species and communities; b) assess how human perturbations, such as climate change and land use modification, have impacted genetic diversity indices; and c) evaluate the suitability of genetic diversity indices for biodiversity monitoring. The data will encompass species census data from both aquatic and terrestrial communities.

Requirements: Candidates should possess a PhD in population genetics, evolutionary ecology, or a related field, with proven expertise in spatial statistical skills.

We seek candidates with the ability to interpret complex ecological data and a keen interest in advancing our understanding of genetic diversity in natural populations.

Excellent written and verbal communication skills, as well as the ability to collaborate effectively in a multidisciplinary team, are essential.

Key References: Mastretta-Yanes A. et al. 2024 Ecol. Lett. 27, e14461. https://doi.org/10.1111/ele.14461 Hoban S. et al. 2024 BioScience74, 269-280. https://-doi.org/10.1093/biosci/biae006 Hoban, S. et al. 2023 Conserv. Lett., 16, e12953. https://doi.org/10.1111/-conl.12953 THERE ARE ALSO Two other positions for postdoctoral researchers in biodiversity-ecosystem functioning research and ecological statistics!

1) Post doc in ecological statistics We are seeking a postdoctoral researcher to develop methods for analysing large scale biodiversity and ecosystem function data. Our approach is based on hierarchical Bayesian models that allow us to integrate heterogeneous, but complementary, ecological and environmental data.

2) Post doc in biodiversity-ecosystem functioning research We are seeking a postdoctoral researcher to combine analyses of ecological time-series data with field-collected biodiversity and ecosystem functioning measurements to understand how biodiversity and ecosystem functioning are linked and changing across different habitats in response to climate change and/or human use of natural resources.

The employer: All the post doc positions are part of theResearch Centre for Ecological Change (REC) and are funded by the Jane and Aatos Erkko Foundation. The overreaching aim of REC is to generate a coordinated analysis of long-term ecological data to understand the drivers and consequences of global change on biodiversity. The projects take advantage of the unique long-term datasets collected in Finland. For more information, see https://www2.helsinki.fi/en/-researchgroups/research-centre-for-ecological-change/ Length of employment & start time: Fixed term of 2 years. 6 months trial period. There is some flexibility in the starting date, selected candidates can start as soon as possible and ideally by early 2026.

Salary: The starting salary will be ca. 3400-3800 euros/month, depending on the appointee's qualifications and experience.

Application deadline: 24th of September 2025 (at 23:59 EEST).

What do you need to apply - motivational letter (max 1 page) - CV (max 2 pages) - publication list - contact info of two persons who are willing to provide a reference letter by request.

Compile all documents into a single PDF file Apply via the application portal: https://-jobs.helsinki.fi/job/Helsinki-3-Post-doc-positions-in-biodiversity-science%2C-genetic-indicator-assessment-and-ecological-statistics/828626402/?feedId=-350602&utm_source=CareerSite_UniversityOfHelsinki If you are interested in applying for more than one of the positions, please only submit one application for your first choice and indicate in your interest in the other position(s) in the motivational letter.

The University of Helsinki welcomes applicants from a variety of gender identities, and linguistic and cultural backgrounds.

Contacts: Marjo Saastamoinen (marjo.saastamoinen(at)helsinki.fi), Tomas Roslin (tomas.roslin(at)helsinki.fi), Anna-Liisa Laine (anna-liisa.laine(at)helsinki.fi), Jarno Vanhatalo (jarno.vanhatalo(at)helsinki.fi).

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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

UParis Saclay Phylogenetic model

2-year Postdoc in evolutionary biology (M/W): Building a phylogenetic model for horizontal transfers of transposable elements

Application deadline: Oct 15 2025 Application website: https://emploi.cnrs.fr/Offres/CDD/UMR9191-ARNLER-006/Default.aspx?lang=EN ** Project:

Transposable elements (TEs) are repetitive DNA sequences capable of promoting their own mobility. They are widespread across the tree of life and often represent a substantial fraction of eukaryotic genomes. Beyond their ability to invade genomes, transposable elements are frequently involved in horizontal transfers, allowing them to colonize new hosts. However, understanding and predicting how horizontal transfers shape the distribution of TEs among species is far from straightforward. In particular, estimates of transfer rates based on documented cases are both biased and approximate.

This project aims to develop explicit phylogenetic models of TE evolution that incorporate horizontal transfers, and to use these models to obtain statistical estimates of the main evolutionary dynamics of TE families across species (for example, horizontal transfer and extinction rates). The postdoctoral project will focus on exploring the impact of horizontal transfers on the distribution of TE presence/absence among related species, using statistical and/or computational approaches.

** Activities

During this project, the postdoc will be expected to: * Implement a theoretical model of the distribution of transposable elements across a species phylogeny in the presence of horizontal transfers * Explore this model to identify expected distribution patterns under different assumptions regarding variation in horizontal transfer rates * Implement a statistical version of this model designed to estimate transfer rates from genomic data * Apply the statistical model to real datasets

** Skills

We are looking for a motivated early-career theoretical biologist with a PhD in theoretical evolutionary biology. Skills in statistics, programming, bioinformatics, and phylogenetic modeling will be appreciated.

** Work Context

The position will be part of a 4-year collaborative project funded by the French National Agency (ANR). The research consortium gathers two departments (from Paris-Saclay university and from Universitï¿½ Lyon 1), and involves 7 PIs and 5 postdocs and PhD students devoted to distinct workpackages of the project. The postdoc will be based at EGCE, which is part of the Institute for Ecology and Evolution (IDEEV). The institute offers an exciting and active scientific life, it is located on the new research campus of Paris-Saclay, 35 km south of Paris.

Arnaud Le Rouzic <arnaud.le-rouzic@universite-paris-saclay.fr>

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USaoPaulo Brazil ParasitismInCnidarians

Dear colleagues,

One post-doctoral position to work on the evolution of parasitism in cnidarians is available at the Genomics Diversity Lab of the University of Sāo Paulo's Institute of Biosciences (IB-USP) in Brazil. This project aims to understand the evolution of genes related to parasitism, toxins, and the immune system in parasite cnidarians.

Candidates are expected to meet the following requirements: prior experience working with a taxonomic group of the phylum, experience in Cnidaria lab culturing, and bioinformatics tools, as well as availability for an internship abroad.

The application deadline is September 15, 2025, at 11:59

p.m. Brasília time (BRT or UTC-3). Applications must be submitted exclusively to the following email: <soniacsandrade@ib.usp.br>. Include the subject line "Postdoctoral Project in Parasitism in Cnidarians," followed by the candidate's name.

The following documentation in PDF should be attached:

- A motivation letter; - Updated résumé (including publications and skills); - A recommendation letter.

Main responsibilities:

1- Implement bioinformatics pipelines and reproducible scripts to analyse genomic and transcriptomic data and support downstream analysis.

2- Select and curate the genomes and transcriptomes from a public database according to quality and relevance.

3- Adapt protocols to DNA/RNA extraction when necessary and apply workflows to remove contaminants, assemble and annotate the genome/transcriptome.

4- Implement comparative and evolutionary analysis using the appropriate softwares.

5- Collect and rearing vertebrates and invertebrates contaminated with myxozoans.

6- Conduct analyses to identify gene families associated with putative toxins, immune system and parasitism using genome and transcriptome data.

7- Integrate genomic data and life-style of cnidarians to discuss the process behind the evolution of parasitism, toxins and immune system.

8- Prepare supplementaries material and data to public repositories.

9- Collaborate with external institutions.

10- Manage the data and write draft and final manuscripts for publications considering the national and international best practices.

11- Present partial and final results at conferences, congresses and workshops.

The position is open to candidates of any nationality. The selected candidate will receive an 18-month Post-Doctoral Fellowship from the São Paulo Research Foundation (FAPESP) in the amount of R$ 12,570.00 per month, plus research allowance equivalent to 10% of the annual fellowship value to cover expenses directly related to the research activities.

More details for this position at:

https://fapesp.br/oportunidades/evolucao_do_parasitismo_em_cnidaria:_avaliando_genes_envolvidos_no_modo_de_vida_parasita,_na_resposta_imune_e_na_codificacao_de_toxinas/8474/

Sónia

Sónia CS Andrade Departamento de Genética e Biologia Evolutiva IB-Universidade de São Paulo Cidade Universitária - São Paulo, Brasil e-mail: soniacsandrade@ib.usp.br tel office: +55 (11) 2648-6113 tel lab: +55 (11) 2648-8292

Sónia Andrade <soniacsandrade@ib.usp.br>

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USouthCarolina DogPopulationGenomics

Postdoctoral Position(s) in Genomic Analyses of Free-Breeding Dog Populations

We are looking for recent postdoctoral research scientists to help with projects using WGS data to address questions related to evolution in free-breeding dog populations around the world. Of particular interest are evolutionary responses to radiation exposure to dog populations in Ukraine (especially Chernobyl), atomic bomb test areas (e.g. Kazakhstan, the Marshall Islands), and other Pacific islands including Galapagos and Fiji. Many other exciting questions related to evolutionary history, effects of selection (natural and otherwise), disease, and development are also being addressed.

The ideal candidate(s) will be smart, hard-working and have some experience doing analyses with genomic and/or population genetic data. The goal will be to use modern bioinformatic approaches for analysis of WGS and related data to address fundamental evolutionary and population genetics questions related to mutation-selection balance, the relationship between genotype and phenotype, epigenetic influences on evolution, bridging genomic and quantitative genetics and other related topics. A passion for dogs and genetics would be an asset.

Candidates must be US citizens or permanent residents.

These projects represent an ongoing collaboration between research teams led by Tim Mousseau at the University of South Carolina and Elaine Ostrander at the NIH.

Successful applicants will be housed at the NIH in

Bethesda, MD, and could have opportunities to engage in field work in addition to genomic and bioinformatics research if so desired. Compensation (set by NIH salary scale) is generous. This is a unique opportunity for anyone wishing to gain experience using the latest genetic tools to address fundamental evolutionary questions as a member of one of the most productive labs in this field in the world.

Interested candidates should send a letter of intent and resume to Timothy Mousseau (mousseau@sc.edu).

Tim Mousseau, PhD, FRGS, FACLS, FAAAS Professor of Biological Sciences University of South Carolina Columbia, SC 29208 USA +1-803-920-7704 mousseau@sc.edu http://-cricket.biol.sc.edu/Mousseau/Mousseau.html Google Scholar < https://scholar.google.com/-citations?user=3DfzimDsYAAAAJ&hl=3Den > Research Gate < https://www.researchgate.net/-profile/Timothy_Mousseau >

"Mousseau, Timothy" <MOUSSEAU@sc.edu>

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UStAndrews EvolutionComplexTraits

Dear Colleagues,

With colleagues from the School of Computer Sciences at the University of St Andrews (Juan Ye and Simon Dobson), we would like to recruit a postdoctoral scientist with strong computational biology background to work on a project funded by the BBSRC. The focus is on the development of explainable/interpretable deep learning and Complex Network Analysis methods to infer the genetic architecture of complex traits.

Details of the project are provided below. The official advert for the postdoc can be found here: https://www.vacancies.st-andrews.ac.uk/Vacancies/-W/6849/0/456379/889/research-fellow-ar3187 I would greatly appreciate it if you could forward the advert (see below) to good early career researchers you may know and to also spread the word among your colleagues. Interested candidates can contact me (oeg@st-andrews.ac.uk) to find out more about the project.

Thanks in advance. Best wishes,

Oscar

Oscar Gaggiotti School of Biology University of St Andrews

Opportunity for postdoctoral fellow to join a BBSRC funded project on applications of AI and complex network analysis to population genomics questions

It is now clear that complex phenotypic traits may be determined not only by many genes of small effect but also by so-called epistatic interactions among them. Some progress has been made in detecting interactions among a small number of variants, but the role of high-order epistatic interactions still needs to be addressed. Thus, the challenge today is to develop new methods of analysis that can scale up to modern population genomics databases and uncover interactions between many genetic variants.

Our project addresses these challenges by harnessing the power of deep learning (DL) methods and complex network analysis (CNA) to develop an end-to-end computational tool to associate causal genetic variants to a phenotype of interest and also detect underlying epistatic interactions. Our approach will go beyond pairwise gene-to-gene interactions and study higher-order interactions.

We will implement DL models that scale up to high-dimensional input and learn complex nonlinear interaction patterns, which can then be unveiled using the latest advances in explainable and interpretable machine learning approaches. Once important variants and potential low dimensional interactions are identified, complex network analysis (CNA) techniques will allow us to explore higher-order interactions using an enormous range of new analysis methods that are unavailable in lower-order settings. Our approach will help identify essential genes (as network hubs), gene clusters with similar functionalities, and genes with suppressing and augmenting effects for a specific phenotype.

We are looking to recruit a postdoctoral researcher with a strong background in computational biology. Interested candidates should contact Oscar Gaggiotti (oeg@st-andrews.ac.uk).

Oscar Gaggiotti <oeg@st-andrews.ac.uk>

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UTexas Austin Archaeogenetics

Postdoctoral Position in Ancient DNA at the University of Texas at Austin

The Genetic Anthropology Laboratory (GAL) in the Department of Anthropology at the University of Texas at Austin is seeking a highly motivated postdoctoral researcher to join our team in the field of ancient DNA. Our group investigates the population genetics and natural selection of Central Eurasia using ancient and modern DNA, and we are especially interested in candidates who would like to be involved in interdisciplinary approaches to the study of the past.

Responsibilities

* Design and conduct research projects involving the analysis of ancient and modern DNA. * Collaborate with archaeologists, anthropologists, historians, and computational scientists. * Develop and apply novel analytical methods to large-scale genomic datasets. * Mentor graduate and undergraduate students and contribute to a collaborative research environment. * Disseminate findings through publications and conference presentations.

Qualifications

* PhD in genetics, genomics, evolutionary biology, anthropology, archaeology, or a related field (completed or expected by start date). * Experience with high-throughput sequencing data analysis; familiarity with ancient DNA laboratory techniques is desirable but not necessary. * Strong quantitative and computational skills (Python, R, or comparable platforms). * Excellent written and oral communication skills. * Ability to work both independently and in a team setting.

Position Details

* Start date: Fall 2025/Spring 2026 (flexible). * Initial appointment of 2 years, renewable contingent on performance and funding. * Competitive salary (NIH rate) and benefits through the University of Texas at Austin.

How to Apply Applicants should submit a CV, cover letter describing research interests and experience, and contact information for three references to Ainash Childebayeva ainash.childebayeva@austin.utexas.edu.

For more information about the lab and our research, contact me directly at ainash.childebayeva@austin.utexas.edu.

Ainash Childebayeva, PhD

Assistant Professor

UT Austin, Department of Anthropology

2201 Speedway - Stop C3200

WCP 4.102

Austin, TX 78712

“Childebayeva, Ainash” <ainash.childebayeva@austin.utexas.edu>

UToronto Scarborough GreatLakeFish eDNA

Postdoctoral Position in eDNA of Fishes and Fisheries in the Great Lakes Basin

Department of Biological Sciences, University of Toronto Scarborough

The Lovejoy and Mandrak labs (mandraklab.ca) seek a postdoctoral scholar to conduct studies on eDNA of fishes in Lake Huron, Ontario. The main project will investigate the potential of environmental DNA approaches for entrainment monitoring of fishes at the Bruce Power facility on the eastern shore of Lake Huron.

The project offers outstanding partnership opportunities with industrial, Indigenous, provincial, and federal collaborators, with funding expected to be provided by MITACS. The scholar will join a dynamic, collegial research environment with strong mentorship training possibilities. The position will be for two years and available immediately, and has the potential to be extended.

Candidates are expected to have demonstrated bioinformatics expertise, genetic laboratory experience including processing eDNA samples, project organization skills, grant preparation skills, excellent written and oral communication skills, quantitative skills, and other relevant skills.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.

Interested candidates should send a letter of intent and resume to Nathan Lovejoy (nathan.lovejoy@utoronto.ca) and Nick Mandrak (nicholas.mandrak@utoronto.ca).

nathan.lovejoy@utoronto.ca

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UUppsala Sweden Popgen aDNA

Postdoctoral position in Population Genomics

2025-09-15

We are seeking a postdoc to become part of our research team. Research will be conducted at the Günther Lab within the Human Evolution Program within the Department of Organismal Biology (Evolutionary Biology Center, Uppsala University, Sweden). The Günther group is specifically studying the prehistory of humans in Europe and the genomic history of animal domestication while developing and improving population genomic and bioinformatic methods to analyze palaeogenomic data, funded by research grants from Formas, VetenskapsrÃ¥det and Riksbankens Jubileumsfond. The Human Evolution program has extensive interests in population genetics and human evolution, providing numerous opportunities for collaboration with postdocs and PhD students working on related projects. The program is also part of the Center for the Human Past. Thee research environment is international, with English as the working language. For more information on the Human Evolution Program, visit: https://www.uu.se/en/department/organismal-biology/research/human-evolution and Torsten Günther's group, visit https://www.gunther-lab.org
Duties

The postdoc will analyze temporal genomic data from humans and livestock species, and develop bioinformatic methods to detect environmental adaptation. The methods will be tested using simulations of genomic data. The work consists of working in Uppsala University's computer cluster as well as programming and statistical analysis.

Requirements

PhD degree in population genomics, bioinformatics, applied statistics or a related area, or a foreign degree equivalent to a PhD degree in population genomics, bioinformatics, applied statistics or a related area. The degree needs to be obtained by the time of the decision of employment. Primarily, those who have graduated no more than three years ago are eligible. Due to special circumstances, the degree may have been obtained earlier. The three-year period can be extended due to circumstances such as sick leave, parental leave, duties in labour unions, etc.

Good proficiency in English is a requirement, both in speech and writing. Previous experience with large-scale genetic data analysis is a requirement.

Additional qualifications

The ideal candidate is highly motivated with thorough education and strong interest in evolutionary and population genomics. The candidate should have a strong bioinformatics background, preferably with experience in ancient DNA or related fields. Experience in Machine Learning/AI, mathematical, computational and statistical training are also advantageous.

About the employment

The employment is a temporary position of two years according to central collective agreement. Full time position. Starting date December 1st, 2025 or as agreed. Placement: Uppsala

For further information about the position, please contact: Torsten Günther, +46184712697, torsten.gunther@ebc.uu.se

The application should include a CV and a letter describing the applicant and their qualifications, research interests, and publication list. Copies of relevant degrees, a copy of the applicant's doctoral thesis or a draft of this. We would like you to provide information for at least two references.

Please submit your application by 21 October 2025, UFV-PA 2025/2792.

Uppsala University is a broad research university with a strong international position. The ultimate goal is to conduct education and research of the highest quality and relevance to make a difference in society. Our most important asset is all of our 7,600 employees and 53,000 students who, with curiosity and commitment, make Uppsala University one of Sweden's most exciting workplaces.

Read more about our benefits and what it is like to work at Uppsala University https://uu.se/om-uu/-

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Yale MicrobialAdaptation

Dear all,

We have an opening postdoctoral position in the Dal Bello Lab at Yale EEB (anticipated start date December 2025, with some flexibility). Find more info below and here(more details about the project, the collaboration, and open positions in other labs in Italy and Japan).

Project description In an international project involving three laboratories with expertise in microbial ecology (Dal Bello lab, Yale, USA), single-cell analyses (McGlynn lab, ELSI, Japan), and theoretical biology (Grilli research group, ICTP, Italy) and funded by HFSP, we aim to understand how microbes "learn" and anticipate environmental changes, a crucial ability for their survival. We'll investigate diverse microbial species in various environments from stable to repetitive and random to determine how much information cells can "remember" based on environmental predictability. We'll explore factors like genome size and growth rates and use nanoSIMS enabled single-cell observations to track nutrient uptake and understand individuality within populations. By combining our experimental data with mathematical models and evolutionary experiments, we seek to develop a general understanding of learning mechanisms and their limits across the microbial world.

Postdoctoral position, Yale, USA Location Dal Bello Lab, Department of Ecology and Evolutionary Biology and Microbial Sciences Institute, Yale University, New Haven, CT, USA

What you'll be doing You will primarily focus on experimental work, specifically conducting the high-throughput phenotyping of diverse natural microbial isolates to characterize their lag times and growth parameters across various environmental conditions. This includes setting up and monitoring well-mixed cultures, performing wash and transfer experiments, and collecting optical density data. You will also be responsible for preparing samples and performing the isotopic labeling for single-cell nanoSIMS analysis and will conduct long-term evolutionary experiments, including culturing, sampling, and freezing evolved bacterial populations, and performing population-level phenotyping. This is a full time research position with the expectation to travel to learn from the other labs involved in the project.

Experience We seek a motivated researcher with background in microbiology or related field passionate about gaining a quantitative, predictive understanding of bacterial ecology and evolution. Expertise in experimental microbial physiology and/or evolution is particularly valued.

How to apply Inquiries about this position can be sent via email to Martina. Please include a brief description of your research interests, how they fit with the goals of the project, and the expectations for your postdoctoral training (research and career goals). Attach a CV with contact information for 2-3 references.

For more details about the project, the collaboration, and open positions in other labs in Italy and Japan, please visit this link.

Please feel free to pass the info along to others that might be interested.

Thanks a lot.

Best, Martina Dal Bello

Martina Dal Bello, PhD (she, her, hers)

Assistant Professor Department of Ecology and Evolutionary Biology Microbial Sciences Institute Yale University https://www.dalbellolab.com/ "Dal Bello, Martina" <martina.dalbello@yale.edu>

WorkshopsCourses

CzechRepublic Genomics Jan11-24

Workshop on Genomics 2026

ÃeskÃ½ Krumlov, Czech Republic | 11?¿‘24 January 2026

We are excited to announce that the 15th edition of the Workshop on Genomics is now open for applications.

Themes: Genomics & Bioinformatics - UNIX & R, Alignment, Genome Assembly & Annotation, SNP calling, Structural Variants, Pangenomics, Population Genomics, Transcriptomics & RNA-seq, Comparative Genomics, Metagenomics & Metatranscriptomics, and Best Practices in Bioinformatics.

Objectives: To train participants in the most relevant and up-to-date genomics and bioinformatics methods in a vibrant, immersive, and inclusive environment. You'll work from raw sequencing reads through to downstream analyses, learning fundamental and advanced techniques along the way.

When: 11-24 January 2026 - intensive daily schedule (9:00??”22:00), with Sunday 18th free for local activities Where: ÃeskÃ½ Krumlov, Czech Republic Fee: $1,950 (travel, lodging, and meals not included)

Confirmed Faculty for 2026: Olga Vinnere Pettersson | Camille Marchet | Antoine Limasset | Marcela Uliano-Silva | Camilla Santos | Katharina Hoff | Chris Wheat | Dag Ahrén | Evan Eichler | Brian Haas | Erik Garrison | Rachel Steward | Maliheh Mehrshad | Claire Mérot | Rosa Fernández | Artem Babaian - and more to come!

For more information and to apply: https://-evomics.org/2026-workshop-on-genomics/ FAQs: https://evomics.org/workshops/faq/ Questions or queries: evomics.workshops@gmail.com

We look forward to seeing you in January 2026,

2026 Organising Team Josie Paris | Mercé Montoliu Nerin | Guy Leonard | MiloÂ Duchoslav | Joan Ferrer Obiol | Scott Handley | Daniel Kintzl

2026 Scientific Advisory Board

Dag Ahrén | Rayan Chikhi | Bill Cresko | Sonya Dyhrman | Rosa Fernández | Sophie Shaw | Alexander Suh | Emiliano Trucchi | Chris Wheat

evomics.workshops@gmail.com

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InstitutPasteur Online InfectiousDiseases

[Afficher dans le navigateur] (https://r.ipb.pasteur.fr/-mk/mr/sh/SMJz09SDriOHUOEP3OXOZkLtiX17/-VdYZXrlPcOr3)

Pasteur Education Connect—

Welcome to the first edition of the Institut Pasteur Education Newsletter! Each month, we'll bring you the latest updates on online and in-person courses, PhD opportunities, trainings, and education news. Stay informed and discover new learning opportunities in life sciences and health.

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Our online courses are in the MOOC format (Massive Open Online Course), offering free and open access to quality education for everyone, anytime, anywhere.

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- Social Sciences and Humanities and Epidemic Management MOOC - Malaria MOOC - Rabies MOOC - Virus and Human Cancer MOOC - Medical Entomology MOOC [Discover all Pasteur MOOCs] (https://r.ipb.pasteur.fr/mk/-cl/f/sh/SMK1E8tHeGLday5apZFS4XB6EkVl/-V2advG5mWXJ5)

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[More information] (https://r.ipb.pasteur.fr/mk/-cl/f/sh/SMK1E8tHeGSV36uY0jOwAMTqD361/-5DaVHzVBuYB)

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>From Febrary 16—

to March 13, 2026

Registration deadline:—

October 15, 2025

[Learn more] (https://r.ipb.pasteur.fr/mk/cl/-f/sh/SMK1E8tHeGZMVFjVBtYQGBmaBLgH/-qkSVnJeR1GDp)

Fundamental immunology

>From January 5

to January 16, 2026

Registration deadline:—

October 31, 2025

[Learn more] (https://r.ipb.pasteur.fr/mk/cl/-f/sh/SMK1E8tHeGgDxOYSN3huM15K9eGX/-FbfDLiYJEF-x)

Pandemics:— **origin & response**

>From January 19

to January 30, 2026

Registration deadline:—

October 31, 2025

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News

####** Call for candidates** ####**Pasteur-Paris University International Program (PPU)**

This highly selective program offers **50+ research projects** in life sciences and medicine at the Institut Pasteur, in partnership with leading Paris universities.

Application deadline: October 20, 2025—

Program starts: October 2026—

[Discover the projects and apply]

— / —

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

Online AdaptationGenomics Dec8-12

Dear all,

registration are open for the Physalia online course Adaptation Genomics (8-12 December).

Course website: (https://www.physalia-courses.org/-courses-workshops/courseadaptationgenomics/)

This intensive 5-day training introduces participants to the genomic basis of adaptation using both population genomicsand comparative genomics approaches. Through a mix of lectures and hands-on sessions, participants will learn how to:

Process whole-genome and long-read sequencing data

Compute population genomics statistics and investigate population structure

Detect genomic regions under selection and link genotypes to phenotypes and environments

Annotate genome features and study the role of structural variants and transposable elements in adaptation

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

Best regards,Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

(https://www.linkedin.com/in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

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Online AI Bioinformatics

Instats Weekly Seminars - Biology & Life Sciences

Research without Limits

Instats is a platform built for researchers, by researchers, to support research communities and promote academic freedom. Below are some seminars that you and your colleagues may find useful.

Featured Seminar

This workshop presents AI–powered strategies for pre-processing, integrating and modeling multi–omics datasets (genomics, transcriptomics, proteomics, metabolomics and single–cell), covering filtering, imputation, batch correction, unsupervised and supervised integration, and rigorous evaluation on independent cohorts. Through concise lectures, case studies and hands–on Python/R/TensorFlow notebooks, participants will learn to build reproducible end–to–end pipelines, train and interpret linear and non–linear models (including deep neural nets and Random Forests), and translate integrative results into testable biological insights.

Register Now

Upcoming Live Seminars

Marcelo Araya-Salas Assistant Professor, Neuroscience Research Center Centro de Investigación en Neurociencias, Universidad de Costa Rica

Bioacoustics Data Analysis using R

Oct 6th - 10th (Europe) This comprehensive seminar in-

troduces participants to bioacoustics data analysis using the R programming environment, focusing on mastering tools for managing, processing, and interpreting complex acoustic datasets. Participants will gain hands-on experience with cutting-edge techniques for quantifying acoustic signals and understanding their implications in various biological contexts, enhancing their capacity to conduct impactful research in biodiversity and animal behavior. Register Now

Giulio Formenti Research Assistant Professor Vertebrate Genome Lab, The Rockefeller University

Genomics for Ecological and Evolutionary Studies

Oct 13th - 17th (America) This introductory workshop shows how to effectively use genomic approaches in ecological and evolutionary studies, offering participants both theoretical foundations and practical skills in DNA sequencing and bioinformatics. Led by experts Prof. Giulio Formenti and Dr. Guido Gallo, attendees will gain hands-on experience using command line tools to analyze sequencing data and apply bioinformatics tools to address key research questions in ecology and evolution. Register Now

Niamh Mimnagh Statistician (Ecology and Epidemiology) PR Stats

Bayesian Multilevel Modelling for Ecologists

Oct 20th - 31st (Europe) A hands-on workshop teaching Bayesian multilevel and multivariate modelling for ecological (and allied health and social science) data using brms with Stan, covering priors, MCMC diagnostics, GLMs, random effects, temporal and spatial dependence, and joint species distribution models. Participants leave with reproducible, publication-ready workflows for model building, criticism, visualization, and reportingâto specify and defend priors, diagnose and fix convergence or fit issues, and translate posterior inference into management, policy, or research outputs.

Register Now

Antoine Becker-Scarpitta Researcher in Global Change Ecology CIRAD (Agricultural Research Centre for International Development)

Analysis of Ecological Communities in R

Dec 8th - 12th (Indian) This workshop provides a comprehensive introduction to advanced statistical methods for ecological community analysis using the R package VEGAN, aimed at enhancing research professionals' ability to handle complex ecological datasets. Participants will gain hands-on experience with multivariate analysis techniques, enabling them to effectively analyze and interpret ecological data through lectures, coding sessions, and participant-led exercises.

Register Now

New Research Jobs

Postdoc in Ecological Statistics University of Helsinki Application deadline: Sep 23, 2025 Location: Helsinki, Finland

Learn More

Featured On-Demand

Aline Muyle Chargée de Recherche Institute of Evolutionary Science of Montpellier (ISEM)

Analysis of DNA Methylation

On-Demand Self-Paced This three-day workshop provides comprehensive training in the analysis of DNA methylation, a key epigenetic modification influencing gene expression and controlling the spread of transposable elements in genomes. Led by Dr Aline Muyle, participants will gain theoretical knowledge and practical skills in data preprocessing, statistical analysis, and visualization using RStudio and various bioinformatic software using Bash scripts. The workshop is suited for researchers in Biostatistics, Biology, Genetics, Ecology, Evolution, Bioinformatics, Molecular Biology, and Medical Research.

Register Now

Andrew Jackson Professor in Zoology School of Natural Sciences, Trinity College Dublin

Stable Isotope Mixing Models in R

On-Demand Self-Paced This four-day seminar provides an intensive exploration of Stable Isotope Mixing Models (SIMMs), equipping participants with practical

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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

Online AI-PoweredMultiOmicsDataAnalysis Sep25

Hi everyone

Instats is excited to offer a 1-day seminar, AI-Powered multiOmics Data Analysis, livestreaming on 25 September and led by Dr Nikolay Oskolkov, Group Leader (PI)

at LIOS. As multi-omics data integrating phylogenomics, transcriptomics, and proteomics become key to unraveling complex evolutionary processes from adaptation to speciation, their high dimensionality and heterogeneity demand sophisticated analytical approaches. This intensive workshop delivers an end-to-end roadmap for integrating these diverse datasets, covering rigorous preprocessing, unsupervised integration with factor analysis and MOFA, and hands-on deep learning workflows in TensorFlow. Through concise lectures, case studies, and coding sessions in Python and RStudio supported by advanced LLMs for streamlined scripting you'll build reproducible pipelines for your own research questions. By the end of the day, you will be able to design robust analysis strategies, train interpretable models, and confidently translate complex multi-omics data into testable evolutionary hypotheses.

https://instats.org/seminar/ai-powered-multiomics-data-analysis Sign up today to secure your spot, and feel free to share this opportunity with colleagues and students who might benefit!

Best wishes

Michael Zyphur Professor and Director Instats | instats.org

Michael Zyphur <mzyphur@instats.org>

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Online AnalysisBioticCommunities Oct15

Hi everyone

Instats is excited to offer a 2-day seminar, Multivariate Analysis of Biotic Communities, livestreaming Oct 15th. This workshop tackles a central challenge in ecology and evolution: how do we untangle the complex environmental and biotic drivers that shape species assemblages and patterns of biodiversity? Over two focused days, Dr Oliver Miler from the Northwest Indian Fisheries Commission will guide you step-by-step through the core multivariate tools including ordination and distance-based methods used to test ecological and evolutionary hypotheses. By integrating theory with hands-on exercises using real ecological datasets in R, you'll gain the practical skills needed to manage complex data, produce publication-quality graphics, and confidently analyze your own community data. Whether you're studying community phylogenetics, macroecology, or conservation, this seminar provides the foundation to turn your observations into rigorous insights.

https://instats.org/seminar/multivariate-analysis-of-biotic-communit Sign up today to secure your place, and please share this opportunity with colleagues and students who might benefit!

Best wishes

Michael Zyphur Professor and Director Instats | instats.org

Michael Zyphur <mzyphur@instats.org>

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Online AnalysisDNAMethylation Oct27-29

Hello,

As every year, I will soon teach an online workshop on DNA methylation and its bioinformatics analysis, using short-read (BS-seq) and long-read (ONT and PacBio) approaches. It will take place from October 27 to 29 (european afternoons and US mornings).

More info here: https://instats.org/seminar/analysis-of-dna-methylation-2025 Please don't hesitate 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 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

Online Bioinformatics Oct28-30

The Computational Biology Core at the University of Connecticut is hosting virtual bioinformatics workshops this fall! We still have space available in our ChIP-Seq / ATAC-Seq Workshop (virtual but live instruction - Oct. 28-30). This workshop will cover DNA-protein interactions and chromatin accessibility, with hands-on analysis of ChIP-seq and ATAC-seq datasets. Participants will learn quality control, peak calling, and downstream analysis using real experimental data.

Learn more & register here: bioinformatics.uconn.edu/cbc-workshops/

WHERE: Virtual (Zoom)

WHEN: 10:00 AM - 2:00 PM EST

COST: $400 (UConn/UCH affiliates) $500 (External participants)

Registration is first come, first served.

Questions? E-mail cbcsupport@helpspotmail.com

zsc25001@uconn.edu

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Online BioinformaticsTranscriptomics Oct1-10

Dear colleagues,

You can now register for the course "Bioinformatic tools for transcriptomic data analyses".

Dates: October 1st, 3rd, 6th, 8th, and 10th, 2025.

More information and registrations: https://-www.transmittingscience.com/courses/genetics-and-genomics/bioinformatic-tools-for-transcriptomic-data-analyses/ Course Overview:

This is an introductory course aiming at guiding participants through the execution of the most common pipelines used to analyse different types of transcriptomic data generated through RNA sequencing with NGS technologies.

The course focuses on the use of Linux-based software and tools, with no prior experience with Linux required.

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 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction.

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Online DeepLearningForBiologists Nov3-7

Dear all,

We are happy to announce the Physalia online course "Introduction to Deep Learning for Biologists", which will take place from 3-7 November.

More information and registration details are available on our website: (https://www.physalia-courses.org/-courses-workshops/course67/)

The course will provide both the theoretical background and practical training needed to develop deep learning models for biological data. We will focus on Convolutional Neural Networks (CNNs) and their applications in classification, regression, and image segmentation. Alongside this, we will also cover key concepts such as performance evaluation, cross-validation, overfitting, and model generalizability.

Each day will include lectures, discussions, and hands-on sessions using Python.

This course is aimed at researchers and students in biology who want to understand and apply deep learning methods to their own data. No prior experience in deep learning is required, though some familiarity with Python will be helpful.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

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Online EvolGenomics Oct13-17

Hi everyone

Instats is excited to offer a 5-day seminar, Genomics for Ecological and Evolutionary Studies, running livestreaming Oct 13 ?¿‘ 17 and led by Prof. Giulio Formenti from the Vertebrate Genome Lab at The Rockefeller University and Dr. Guido Gallo from the Department of Biosciences at the University of Milan. Designed for PhD students, academics, and professional researchers, this hands-on workshop using Python and R blends foundational theory with practical bioinformatics, guiding you through the evolution of DNA sequencing from Sanger to next-generation and third-generation technologies. You'll learn to process and analyze real sequencing data using command-line tools such as Bowtie 2, Samtools, Minimap2, Freebayes, and IGV, and you'll gain experience assembling draft genomes, evaluating assembly statistics, and integrating genomic insights into ecological and evolutionary research questions.

https://instats.org/seminar/genomics-for-ecological-and-evolutionary Sign up today to secure your spot, and feel free to share this opportunity with colleagues and students who might benefit!

Best wishes

Michael Zyphur Professor and Director Institute for Statistical and Data Science https://instats.org mzyphur@instats.org

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Online EvolutionaryBiogeography Nov10-19

Dear evoldir members,

Transmitting Science is happy to announce the course "Model-Based Statistical Inference in Evolutionary Biogeography" (4th edition).

This course covers the latest tools and approaches for inferring the historical biogeography of lineages using phylogenetic and spatial data. It provides a deep dive into modern, model-based methods for reconstructing ancestral geographic ranges and understanding the processes that shape biodiversity through space and time. The course also offers participants the opportunity to apply techniques to their own data with expert guidance.

Max capacity: 14 participants Format: Live online sessions Dates: November 10th, 12th, 14th, 17th, and 19th Schedule: 08:00-12:00 (Madrid time)

Instructor: Dr. Nick Matzke (University of Auckland, New Zealand) - author of the BIOGEOBEARS package

Learn more and register here: https://-www.transmittingscience.com/courses/evolution/-model-based-statistical-inference-evolutionary-biogeography-2/ If you have any questions do not hesitate to contact us at courses@transmittingscience.com

Best regards,

Haris

Check the full list of upcoming courses here: https://www.transmittingscience.com/courses/ Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com [1]

Links:

[1] http://www.transmittingscience.com Haris Saslis - Transmitting Science <haris.saslis@transmittingscience.com>

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Online Metabolomics Nov11-14

Dear all,

We are pleased to announce the upcoming Physalia online course: Metabolomics with R/Bioconductor

Dates: 11-14 November (9:30 AM - 1:30 PM Berlin time)

Course website: (https://www.physalia-courses.org/-courses-workshops/course55/)

This course covers the key aspects of metabolomics (targeted and untargeted) from a data analyst's perspective. Through lectures, hands-on exercises, and group discussions, participants will learn:

Study design considerations and analytical workflows

Data preprocessing and quality assessment using R

Handling missing values, feature annotation, and reproducibility

Statistical analysis of metabolomics data (univariate & multivariate approaches such as PCA, PLS, Random Forest) For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/-courses-workshops/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

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Online MultivariateAnalysisVegan Sep15-19

We are pleased to announce that PRâ€Stats will be running alive online course on Multivariate Analysis of Ecological Communities Using VEGAN from Septemberâ€15-19, 2025. Multivariate Analysis of Ecological Communities Using VEGAN

Analyse ecological community data in R using VEGAN. Learn ordination, clustering, and multivariate statistics with real datasets. https://www.prstats.org/course/-multivariate-analysis-of-ecological-communities-using-vegan-vgnr08/ This immersive five-day training (7 hours per day) offers a practical, hands-on introduction to powerful multivariate methods in community ecology using the R VEGAN package. What sets this course apart: to ensure that participants from diverse time zones can join live,two practical sessions will be scheduled specifically with global accessibility in mind. All sessions will be recorded and made available the same day, andâyou find it helpfulâcan even provide access to recordings from previous years in advance.

Course Highlights Hands-on training with real ecological datasets spanning terrestrial, wetland, microbial, palaeoecological, and natural resource management contexts.

Core multivariate techniques: ordination (PCA, NMDS, RDA, CCA), clustering, distance measures, and community metrics.

Emphasis on reproducible workflows in R and visualisation best practices.

Bring your own datasets for tailored support in data transformation, analysis selection, and interpretation.

Logistics & Registration

Format:Live online

Dates:Septemberâ€15-19, 2025

Fee:Â£485 (standard); Â£445 (early bird â€now sold out)

This course is an excellent opportunity for ecologists, environmental scientists, data analysts, and researchers eager to master multivariate community analysis in R while accommodating flexible scheduling needs. To register or learn more, please visit the course page on the PR Stats website. Feel free to forward this to colleagues who might be interested or reach out if you have any questions about the practical sessions or the curriculum.

Oliver Hooker PhD. PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online NanoporeGenomeAssembly Sep29-Oct3

Dear all,

The Physalia course Assembling Genomes with Oxford Nanopore: A Hands-on Guide to Long-Read Sequencing (29 September-3 October, online) is almost full. This 5-day program offers both theory and hands-on practice, guiding participants from raw Nanopore data to fully polished, quality-controlled genome assemblies. A unique opportunity to gain practical experience with cutting-edge long-read sequencing methods. If you'd like to secure one of the last spots, register soon: (https://www.physalia-courses.org/courses-workshops/-course59/)

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course59/)

Should you have any questions, please do not hesitate to contact us.

Best regards, Carlo

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Online Phylogenomics Dec1-5

Dear all,

We would like to inform you that only a few seats remain available for the upcoming Physalia online Phylogenomics course.

Dates: December : 1-5 Course website: (https://www.physalia-courses.org/courses-workshops/phylogenomics/)

In this 5-day course you will learn about:

1) Time-calibrated phylogenetic inference using multilocus genomic data. 2) Addressing challenges like gene-tree discordance, incomplete lineage sorting, and introgression. 3) Practical hands-on sessions using tools such as MAFFT, RAxML, IQTree, PhyloBayes, ASTRAL, BPP and more.

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 Proteomics Nov17-19

Dear all,

We are pleased to announce the 5th edition of the Physalia online course: R/Bioconductor for Mass Spectrometry and Proteomics

Dates: 17-19 November

Course website: (https://www.physalia-courses.org/courses-workshops/course58/)

This three-day workshop, run in partnership with Bioconductor Training, will introduce participants to the analysis of mass spectrometry-based proteomics data in R/Bioconductor. Through a combination of lectures and hands-on tutorials, participants will learn how to:

Manipulate and visualise raw MS data

Work with identification and quantitation data

Apply statistical methods to identify differentially expressed proteins The course is designed for proteomics practitioners and data analysts familiar with R, looking to gain practical skills in MS data analysis using Bioconductor tools.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/course58/)

Best regards, Carlo

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Online PythonMachineLearningInBiology Sep15-24

Dear colleagues,

There are a couple of slots available for Transmitting Science' course "Python Machine Learning in Biology." This course will be held live online.

The use of machine learning in the study of evolution enables the discovery of hidden patterns in genomes and allows for a more accurate reconstruction of the processes of adaptation and species diversification

Dates: September 15th, 17th, 19th, 22nd, and 24th, 2025. 17.5 hours of online live lessons, plus 17.5 hours of pre-recorded classes and supervised assignments.

This course provides participants with a conceptual overview of machine learning algorithms and an understanding of the mathematics underlying them, enabling them to choose and implement appropriate models for biological datasets.

More information and registrations: https://-www.transmittingscience.com/courses/statistics-and-bioinformatics/python-machine-learning-in-biology/ 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 Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

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Online RNASeqAnalysis Jan26-29

Discover Evolutionary Insights with RNA-Seq: Live Online Training (RNAA01) https://www.prstats.org/-course/rna-seq-analysis-rnaa01/ Transcriptomes hold the key to understanding adaptation, divergence, and gene regulation across species. If you're an evolutionary biologist working with bulk RNA-Seq, this course will give you the tools to unlock those insights with confidence.

What you'll learn:

How todesign RNA-Seq experimentsfor evolutionary questions from population comparisons to phylogenetic transcriptomics.

Performquality control and alignmentto ensure robust results across diverse datasets.

UseDESeq2to test hypotheses about differential expression linked to adaptation, stress response, or speciation.

Visualise expression patterns withPCA, MA and volcano plots, and link gene expression shifts to functional pathways.

Applyfunctional enrichment analysisto generate testable evolutionary hypotheses.

Course format:

4 live online sessions(26-29 Jan 2026, ~3.5h/day) recordings provided.

Hands-on practicals inRandLinux, with data and code you can adapt to your own projects.

Post-course support for 30 days to help with your research questions.

Who it's for: Postgraduates, postdocs, and researchers inevolutionary and ecological genomicswith basic R and Linux skills, looking to move from raw RNA-Seq data to evolutionary inference.

Instructor: Dr Frances Turner experienced bioinformatician helping researchers build reproducible pipelines and extract biological meaning from transcriptomes.

Fees:350 (early-bird 325 for first 5 places).

Turn RNA-Seq data into evolutionary discovery. Secure your place now:RNA-Seq Analysis (RNAA01)

–

Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online SexChromosomeEvolution Oct6-10

Dear colleagues,

registration is still open for the Physalia online course Sex Chromosome Evolution (6-10 October), but only a few seats remain.

Course website: (https://www.physalia-courses.org/-courses-workshops/sexchr/)

This course will provide participants with both theoretical background and hands-on training on how genomic

and transcriptomic data can be used to identify sex chromosomes and study their evolution. Topics include:

Detection of homo-/heteromorphic sex chromosomes

Early stages of sex chromosome differentiation

Recombination suppression and evolutionary strata

Gene gain/loss, divergence, and dosage compensation

Sex-biased gene expression analysis The course combines lectures, practical exercises, and interactive discussions with instructors.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-sexchr/)

Best regards, Carlo

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Online Single-CellRNA-SEQanalysis

Advanced Workshop: Single-Cell RNA-Seq Analysis - 4-Day Live Course https://www.prstats.org/course/single-cell-rna-seq-analysis-scrn01/ Dive deep into the world of single-cell transcriptomics with Single-Cell RNA-Seq Analysis (SCRN01), a 4-day live online course made for researchers who want to go beyond bulk RNA and unlock cell-level insights.

What you'll learn:

Fundamentals of single-cell RNA-Seq: experimental design, quality control, normalization, batch effects, and best practices.

Hands-on processing of single-cell data using tools like Seurat / Scanpy: filtering, clustering, trajectory inference, dimensionality reduction.

Visualization and interpretation of single-cell data: marker discovery, differential expression, heatmaps, UMAP, t-SNE.

Strategies for tackling challenges: dropouts, sparsity, integration of multiple samples, cell type annotation.

Access to course materials (datasets, code, slides), along with follow-up support to apply the tools to your own data.

Course structure & schedule:

Live online over four days, with interactive lectures and practical sessions.

Recorded sessions so you can revisit lessons and catch up.

Who should attend:

Researchers, data analysts, and bioinformaticians working with single-cell RNA-Seq or planning to.

Those familiar with R or Linux basics, and comfortable with the command line.

Cost & early bird:

Standard fee: 350

Early bird: 325 (first five places)

Email oliver@prstats.org with any questions.

Upcoming courses...

FREE Introduction to Spatial Data visualisation and Mapping in R

Field Mapping and Species Identification for Ecologists - hands-on training in field data collection, GIS integration, and ecological survey methods.

Introduction to Snakemake

Learn Snakemake to automate data workflows. Build reproducible, scalable pipelines for research with hands-on training in this 4-day live online course.

Multivariate Analysis of Ecological Communities Using VEGAN

Analyse ecological community data in R using VEGAN. Learn ordination, clustering, and multivariate statistics with real datasets.

Species Distribution Modelling (SDMs) and Ecological Niche Modelling (ENMs)

Learn ENM and SDM modelling in R. Apply tools like Maxent and Biomod2 to predict species distributions and environmental niches.

Spatial and Spatial-Temporal Modelling Using R-INLA

Bayesian modelling of spatial data using R-INLA. Learn to fit, interpret, and visualise spatio-temporal models.

Species Distribution Modelling With Bayesian Statistics

Model species distributions using BART in R. Covers uncertainty, variable selection, and full Bayesian workflow.

Python for Biological Data Exploration and Visualization

Explore and visualise biological data in Python using pandas and seaborn. Ideal for applied researchers.

Bioacoustics Data Analysis

Analyse animal acoustic signals in R. Learn spectrograms, annotations, and bioacoustic workflows.

Introduction to Machine Learning

Learn machine learning in R with hands-on training. Covers supervised and unsupervised models, tuning, evaluation, and interpretability.

Bayesian Multilevel Modelling using brms for Ecologists

Master Bayesian multilevel models in R with brms. Learn GLMs, priors, spatial/temporal autocorrelation, and species distribution modelling.

Advanced Python for Ecologists and Evolutionary Biologists

Take your Python skills further. Learn OOP, testing, and optimisation for complex bioinformatics tasks.

Network Analysis for Ecologists

Use R to analyse ecological networks. Learn metrics, simulation, and visualisation with igraph.

Spatial Data Visualisation and Mapping using TMAP

Visualise spatial data in R using the tmap package. Learn to create static and interactive maps, customise layouts, and publish high-quality visualisations.

Visualizing Spatial Ecological Data

Learn to visualise spatial ecological data in R. Explore remote sensing, species distributions, temporal patterns, and colour-safe scientific graphics.

Analysis of Avian Point-Count Data in the Presence of Detection Error

Analyse bird point-count data in R. Learn N-mixture, time-removal, and distance sampling models.

Advanced Species Distribution Modelling (SDM's) and Ecological Niche Modelling (ENM's)

Learn advanced SDM and ENM techniques in R. Includes Maxent tuning, MESS and null models, and building mechanistic models and virtual species.

Introduction to Generalised Linear Mixed Models for Ecologists

Model hierarchical ecological data using GLMMs in R. Covers lme4, brms, and Bayesian methods for ecologists.

Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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

Online StructuralVariation Dec1-3

Dear all,

We are pleased to announce that registrations are now open for the 3rd edition of the Physalia online course: Structural Variant Detection and Comparison. Dates: 1-3 December

Course website: (https://www.physalia-courses.org/-courses-workshops/svs/)

This course introduces biologists and bioinformaticians to the detection, comparison, and interpretation of Structural Variants (SVs). Participants will gain hands-on experience with a variety of software and workflows for short- and long-read data, assembly- and mapping-based approaches, variant filtering, annotation, and generation of trio/population VCF files.

By the end of the course, participants will be able to:

Detect SVs from short- and long-read data

Compare and filter SVs

Annotate SVs (gene overlap, population frequency)

Generate trio/population VCF files

Identify mosaic and somatic SVs For the full list of our courses and workshops, please visit: (https://-www.physalia-courses.org/courses-workshops/svs/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

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Online UConnecticut Bioinformatics Sep16-18

The Computational Biology Core at the University of Connecticut is hosting virtual bioinformatics workshops this month! We still have space available in our Genome Assembly Workshop (virtual but live instruction - Sept. 16-18). This workshop will cover sequencing strategies, short-read and long-read assembly, hybrid approaches, and quality control. Participants will learn how to process raw sequencing data and generate high-quality genome assemblies.

Learn more & register here: bioinformatics.uconn.edu/cbc-workshops/

WHERE: Virtual (Zoom) WHEN: 10:00 AM - 2:00 PM EST COST: $400 (UConn affiliates) $500 (External participants)

Registration is first come, first served.

Questions? E-mail cbcsupport@helpspotmail.com

cbcsupport@helpspotmail.com

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Online WikiforBotanists 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 | E heidim@tepapa.govt.nz

UBarcelona MachineLearningForMultiOmics Dec15-17

Dear all,

We are pleased to announce the Physalia in-person course "Machine Learning for Multi-Omics Integration", which will take place from 15-17 December at the University of Barcelona, Faculty of Biology (Dept. Evolutionary Biology, Ecology & Environmental Sciences, IRBio).

Dates & Location15-17 December University of Barcelona, IRBio, Av. Diagonal, 643, 08028 Barcelona, Spain

Course website: (https://www.physalia-courses.org/-courses-workshops/multiomics-barcelona/)

In this course, we will cover machine learning methodologies for integrating large amounts of biological data. The program combines lectures and hands-on sessions, covering supervised, unsupervised, and deep learning approaches, as well as single-cell omics integration.

Participants will learn to:

Understand machine learning approaches for biological data analysis

Apply integrative omics methods (e.g. mixOmics, MOFA, Seurat)

Design and implement integrative projects

Choose appropriate tools and methodologies for their

research This is our only in-person Physalia course in 2025. For a full list of our online courses and workshops, please visit: (https://www.physalia-courses.org/-courses-workshops/)

For any questions, feel free to contact us. Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

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UPretoria GenomicDataAnalysis Dec7-12

Population Genomics Data Analysis Course & Workshop

Themes: Population Genomics, Molecular Ecology, Conservation Genetics. Understanding Population Structure and Environmental Influences on Genomic Variation - using Next Gen Sequencing Data & key computational approaches.

Instructors include experts: Eric Anderson, Ellie Armstrong, Jessica Da Silva, Paul Hohenlohe, Marty Kardos, Brenna Forester, Paul Grobler, Will Hemstrom, Gordon Luikart, Monica Mwale, Rena Schweizer,Lisette Waits, 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 work from raw reads to produce genotypes and the crucial steps of filtering (Hemstrom et al. 2024, Nature GR). The course teaches the coalescent, Bayesian, and likelihood-based approaches. Evening 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, R and Linux (see below).

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

"Luikart, Gordon" <gordon.luikart@mso.umt.edu>

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UPretoria Genomics Dec7-12

It's still possible to register - if you hurry! but the course is almost full.

Population Genomics Data Analysis Course & Workshop

Themes: Conservation Genetics, Population Genomics, and Molecular Ecology. Understanding Population Structure and Environmental Influences on Genomic Variation - using Next Gen Sequencing Data & key computational approaches. Includes RADseq, genome sequencing & assembly, & SNP typing from raw reads to genotypes and many analyses to prepare you for future genomics data analyses.

Instructors include experts: Eric Anderson, Ellie Armstrong, Jessica Da Silva, Marty Kardos, Brenna Forester, Paul Grobler, Will Hemstrom, Gordon Luikart, Monica Mwale, Rena Schweizer, Lisette Waits, Robin Waples, 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 (RADs, whole-genome sequence analyses) and interpretation of output from common and new statistical approaches, software, and bioinformatic pipelines. We teach how work from raw reads to produce quality genotypes and the crucial steps of filtering (Hemstrom et al. 2024). The course teaches the coalescent, Bayesian, and likelihood-based approaches. Special lectures and hands-on exercises are conducted on population structure, detecting selection, effective population size, landscape genomics, inbreeding detection (RoH), genome assembly, and more. Evening 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 understanding of population genetics & population ecology, R and Linux (see below).

BEFORE the course: Tutorials are given on Zoom 2-4 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. 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

Tentative Course Agenda. Additions/changes will be made following student requests.

ConGen-Dec 2025, Pretoria, Africa (in-person, except the first five pre-course meeting)

Nov 5th (Wednesday): Pre-ConGen Zoom introductions of instructor & students. Start networking!

Nov. 12th: Pre-ConGen Zoom lecture on Basic R Studio & Linux Keynote lecturer: Will Hemstrom (with Rena Schweizer). Video-recorded for re-viewing.

Nov 19th: Pre-ConGen Zoom Lecture: Bioinformatics concepts, technical skills Keynote lecturers: Rena Schweizer (USDA), G. Thomas (Harvard U). Recorded for re-viewing.

Nov 26th: Pre-ConGen Zoom Lecture: The Coalescent. Video-recorded for re-viewing. Keynote lecturer: M. Miller, Will Hemstrom or Eric Anderson. Hands-on: Using your laptop: Coalescent simulations, and the Site Freq Spectrum

Dec 3rd Pre-ConGen Zoom Lecture: Probability, Bayesian stats, MCMC, genotype likelihoods Keynote lecturer: Eric Anderson: Bayesian data analysis, MCMC, genotype likelihoods Hands-on: Using your laptop: Understanding genotype likelihoods, propagating uncertainty...

Day 1 (Sunday, Dec. 7) - Arrival, move-in, computer testing, welcome & overview 5:00 - 6:15 PM Mixer and dinner 6:30-6:45 PM Welcome, course business, and introduction, Gordon Luikart and Monica Mwale 7:00-8:15 PM Introduction & overview of conservation genetics/omics Keynote address: Marty Kardos

Day 2 (Monday, Dec. 8) - Topics: Markers, data filtering, Bayesian stats & genotype calling Markers in Conservation: microsats-to-WG-seq Keynote lecturer: Laura Bertola (with others)

The F-word: Filtering best-practices, effects of F choices - on PCAs, etc. Keynote lecturer: Will Hemstrom Hands-on: Raw reads to genotypes without a reference, PCR duplicates, MAF, missing data

Genotype calling without a reference genome: Raw reads to genotypes Keynote lecturer: TBA Hands-on: Raw reads to genotypes without a reference

Conservation/Population genomics: Concepts & Tools to answer Eco-Evo questions Keynote lecturer: Paul Hohenlohe, (via Zoom)

Day 3 (Tuesday, Dec. 9) - Filtering, HW, Ne, inbreeding & runs of homozygosity

Hardy-Weinberg testing & filtering effects on selection detection Keynote lecturer: Will Hemstrom

— / —

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.