
E v o l D i r

April 1, 2023

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

Foreword

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

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

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Albuquerque Evolution Jun21-25

Registration is now open for EVOLUTION 2023, the joint annual meeting of the ASN, SSB, and SSE!

Join us for the in-person conference in Albuquerque this June 21-25 and for the virtual event a few weeks before on June 2-3!

Information: <https://evolutionmeetings.org> Registration: <https://www.xcdsystem.com/evolution/attendee/-index.cfm?ID=F4Zjeoi> Highlights:

* Early registration discount until May 1. * In-person talk submission is first-come, first-served-all submissions accepted until capacity is reached or until May 15. All posters accepted until June 1. In-person talk and poster submission are available once you complete registration. * This year's virtual event includes award symposia, networking, workshops, and special events, as well as the usual chance to present your research in a talk, all presented LIVE. Virtual talk submission is available once you complete registration. * Hotel accommodations are open for booking. * Arrive early for pre-conference events and workshops, including a

behind-the-scenes tour of UNM's Museum of Southwest Biology. * Conference-ending Super Social in the Albuquerque Civic Plaza. * Mid-meeting Night at the Museum at the New Mexico Museum of Natural History and Science. * Multiple participation/travel support opportunities to help finance your participation; details here: <https://www.evolutionmeetings.org/participation-support.html> * Hoping to compete for SSB Mayr (in-person and virtual) or SSE Hamilton (virtual) awards? Instructions here: <https://www.evolutionmeetings.org/student-awards.html> * FREE on-site daycare, sign up during registration.

"Hollis, Brian" <BRIAN.HOLLIS@sc.edu>

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Brazil Flatworm Evolution Apr17 ExtDeadline

Dear flatworm enthusiasts,

The deadline for early-bird registration to the *XV International Symposium on Flatworm Biology* has been extended to 17 April 2023. <https://www.even3.com.br/xvisfb/> Dear flatworm enthusiasts, The deadline for early-bird registration to the XV International Symposium on Flatworm Biology has been extended to 17 April 2023. We encourage you to register as soon as possible since vacancies are limited. By doing so, you will be helping us a lot. Best wishes,

Don't miss the XV International Symposium on Flatworm Biology < <https://www.even3.com.br/xvisfb/> > 24-28 July 2023, CEBIMar, São Sebastião, Brazil "xv.isfb@gmail.com" <xv.isfb@gmail.com>

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DenisonU Teaching Evolution Jun12-14

Attention evolutionary biologists who teach undergraduates:

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

Dear Colleagues, We invite you to apply to join us at our second annual meeting of the Biological and Environmental Data Education (BEDE) Network, held from June 12-14 at Denison University in Granville, OH. We can provide travel support and we can host virtual attendees. We are a group of scientists and educators

who are dedicated to the advancement of data science education in undergraduate biology and environmental science curricula. Our mission is to provide training and resources for educators to empower them to teach data science skills in their classrooms. We would like you to be part of our team! The theme of this year's meeting is designing curricular maps to effectively scaffold data science skills into undergraduate biology courses and to aid instructors and departments in testing out new changes and updates. Guided by this theme, we will introduce the BEDE Network and build community, share strategies and examples, and work together to develop curricular tools, instructor training workshops, and future plans for the BEDE Network. The final day of the meeting will provide an opportunity to choose your own path as:

- (1) an unconference where you can continue to work with a BEDE Network subcommittee or
- (2) join an instructor training workshop on incorporating data science skills into undergraduate biology classrooms as a helper or as a learner.

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

The deadline to apply is April 7 and successful applicants will be informed by April 14.

PLEASE APPLY HERE: <https://forms.gle/G36dR2bKSAWTQbsj8> In the meantime, join our group on QUBESHUB: <https://qubeshub.org/community/groups/bede> Questions can be directed to bedenetwork@gmail.com We look forward to welcoming you!

Sarah Supp (Assistant Professor, Denison University)
Kelly O'Donnell (Director of Science Forward, Macaulay Honors College)
Nate Emery (STEM Education Coordinator, UC Santa Barbara)
Erika Crispo (Associate Professor, Pace University)
Matthew Aiello-Lammens (Associate Professor, Pace University)

Kelly O'Donnell <Kelly.ODonnell@mhc.cuny.edu>

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ing@mcmaster.ca)

**Ede Netherlands
Evolutionary Biology May16**

Dear colleagues,

The NLSEB (Netherlands Society for Evolutionary Biology) meeting 2023 will take place on Tuesday, May 16 at Akoesticum in Ede! Deadline for abstract submission has been extended to Monday April 3rd.

We have three amazing keynote speakers: Felicity Jones (Friedrich Miescher Lab, Tübingen), who studies molecular mechanisms of speciation and adaptation in sticklebacks, Franjo Weissing (U Groningen) who works on evolvability, phenotypic plasticity, game theory and behavior, and Colin Russell (U Amsterdam), who studies pathogen evolution, particularly of viruses.

The Programme includes two parallel presentation sessions, a cultural intermezzo, roundtable discussions and plenty of time for poster presentations and socializing with your fellow evolutionary biologists, to strengthen your networking connections and to establish new collaborations.

Visit <https://www.nlseb.nl/nlseb2023-meetings> for more information and for registration!

“Kupczok, Anne” <anne.kupczok@wur.nl>

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**Ferrara Italy SMBE
5daysToSubmitAbstract**

Subject: SMBE2023 -5 days for submitting an abstract

Dear All,

Please note that there are only 5 days left to submit an abstract to the SMBE2023 meeting in Ferrara, Italy. You can find the relevant information about the conference and the abstract submission process here: www.smb2023.org The Local Committee

The SMBE Council #SMBE2023

Giorgio Bertorelle

Department of Life Sciences and Biotechnology University of Ferrara Phone +39 0532 455743

SMBE2023 in Ferrara Web site of the group

Web site of the Endemixit project

ggb@unife.it

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**Ferrara Italy SMBE
AbstSubmission ClosesMar15**

Subject: SMBE2023 - LAST DAY for submitting an abstract

Text: Dear All,

Please note that there is only 1 day left to submit an abstract to the SMBE2023 meeting in Ferrara, Italy. Abstract submission will close March 15, 23.59 CET. You can find the relevant information about the conference and the abstract submission process here: www.smb2023.org The Local Committee

The SMBE Council #SMBE2023

Giorgio Bertorelle

Department of Life Sciences and Biotechnology University of Ferrara Phone +39 0532 455743

SMBE2023 in Ferrara Web site of the group

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Giorgio BERTORELLE <ggb@unife.it>

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Idaho SalmonGenomics Jun27-29

The Idaho Department of Fish and Game and the Columbia River Inter-Tribal Fish Commission are hosting the Coastwide Salmonid Genetic Conference (CSGC) in Boise, Idaho June 27th 29th. The CSGC has been a biennial conference since 1984. The goals of the conference are to exchange information in the field of salmonid

genetics. Scientific advancements discussed at this years conference are diverse, including:

1. Mixed stock analyses and parentage-based tagging with genetic markers
2. Phylogenomic studies testing relationships among taxa
3. Assembly of novel genome assemblies and pangenomes
4. Identification and validation of adaptive variation from whole genome/genome-wide approaches
5. Applications of eDNA and metabarcoding

Abstracts are due on April 30, 2023. There are travel scholarships available for students. For more information about the meeting or to register, visit: <https://www.coastwide2023.org/> A special issue devoted to papers presented at this meeting will be published in *Evolutionary Applications*. For more information about the special issue:

https://onlinelibrary.wiley.com/journal/17524571/-homepage/special-issue-salmonoid?utm_sq=-h3ahiv9qku “Rebekah L. Horn” <rhorn@critfc.org>

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Irvine California Evolutionary Medicine Aug14-17

Abstract submission and discounted early registration are now open for the Eighth Annual Meeting of the International Society for Evolution, Medicine, and Public Health <https://isemph.org/ISEMPH-2023/> The meeting will be in-person at the beautiful Arnold and Mabel Beckman Center of the U.S. National Academies of Sciences and Engineering in Irvine, California, August 14-17, 2023. Students, researchers, clinicians, teachers and others are all welcome to join this opportunity to hear the latest advances from renowned scientists, to present their research, to attend workshops and discussions, to renew old friendships and make new ones, and to enjoy all that Southern California has to offer!

Register now to reserve your place and get the lowest rates. If you change your mind, registration fees are refundable until two weeks before the meeting. If you are an ISEMPH member, use your email address to sign in at <https://ISEMPH.org>. If you have forgotten

your password or never had one, click “Forgot Password.” If you are not a member, you may want to join ISEMPH before registering for the meeting to get the substantial member discount. Society membership fees are discounted 20% until March 15, 2023 if you use the code “ISEMPH2023”.

Meeting overview <https://isemph.org/ISEMPH-2023/> Abstract submissions <https://isemph.org/ISEMPH-2023-Abstract-submission> The program <https://isemph.org/ISEMPH-2023-Program> Travel and lodging <https://isemph.org/ISEMPH-2023-Travel-and-Lodging> Meeting registration <https://isemph.org/ISEMPH-2023-Registration> Questions are welcome.

HostingCommittee@evmed.org ProgramCommittee@evmed.org Manager@evmed.org
nesse@umich.edu

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Istanbul EcolEvolutionaryBiology Jul17-19

Dear all,

I am pleased to announce that the 9th symposium of the EEBST will take place in Istanbul on July 17-19th 2023. (<https://eebst.ekoevo.org/>)

This year we aimed to organize a special session covering paleobiological and paleoanthropological studies (by oral and poster presentations) in Turkey and surrounding areas. Special attention will be given to the studies related to taxonomy and systematics of fossil vertebrates and invertebrates, evolutionary and ecological perspectives in mammal paleobiology, paleobiomolecules, human paleobiology/prehistory and hominin environments, computational approaches, and taphonomy, paleobiogeography, paleobiodiversity, paleoecology, paleoclimate, biochronology and biostratigraphy of the Neogene and Quaternary deposits in Turkey and surrounding regions.

Abstract submission is between March 10th and April 20th 2023

Announcement of acceptances: June 10th 2023
Announcement of symposium program: June 20th 2023

Registration will be open between June 1st and July 16th

Early Bird Registration: June 1st ?; July 1st 2023

Regular Registration: July 2nd - July 16th 2023
 Registration: July 17-18 2023

For more information please visit our website: <https://eebst.ekoevo.org/> We are looking forward to welcoming you to Istanbul this July. Please feel free to circulate this email.

Best wishes, Ferhat Kaya, on behalf of the organizing committee

Ferhat Kaya, PhD <https://www oulu fi /university /-researcher /ferhat -kaya> <https://www oulu fi /en /-research -groups /deep -history -human -past> <http://www helsinki fi /geo /staff /kaya /index .html>
 efeszgn0@gmail.com

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Istanbul EvoDevo Jul17-19

Emerging themes in eco-evo-devo, Istanbul

We are pleased to announce that we will be hosting a special session titled, "emerging themes in eco-evo-devo" at the upcoming Ecology and Evolutionary Biology Symposium, to be held at the Istanbul University campus between 17 and 19 July 2023.

Within this theme, we invite abstracts for talks and posters revolving around comparative organismal development and morphology, phenotypic variation in varying ecological contexts: developmental plasticity, robustness, and canalization, genotype-environment interaction during development and evolution: e.g., epigenetic factors, the evolution of cell types, evolution of developmental life cycle traits, the evolution of highly conserved gene families, impact of endosymbiosis on development and evolution, and extended evolutionary synthesis. We look forward to welcoming researchers with focus or overlapping interests in one of these topics to submit an abstract for this theme.

Abstract submission is between March 10th and April 20th, 2023. Announcement of acceptances: June 10th, 2023 Announcement of symposium program: June 20th, 2023

For more information, please visit our website: <https://eebst.ekoevo.org/> See you in Istanbul,

Matteen

Matteen Rafiqi <m.rafiqi@bezmialem.edu.tr>

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Marseille PlantBiologyEurope Jul3-6 AbstractDeadline

Plant Biology Europe (meeting of the Federation of European Societies for Plant Biology) will be held in *Marseille 3-6 July 2023*. *Abstract submission closes on March 20st*. Visit the website *BLOCKEDeuroplantbiology2023[.]org/BLOCKED*. We would like to give you a taste of the conference content, hoping to see you soon in Marseille.

*12 Keynotes and **18 sessions* will cover a broad range of topics including *Biomechanics, Comparative genomics, Chromosome dynamics, Domestication, Epigenetics, Nutrition, Organella, Development, Microbiota, Stress responses, Photosynthesis, Reproduction, Immunity, Synthetic biology, Quantitative genetics, Plant-plant interactions.*

*A round table on PlantACT! *(A Think Tank of plant science experts to tackle climate change, BLOCKEDplant-act[.]org/BLOCKED).

The Scientific Committee (L. Laplace, Y. Coudert, J. Casacuberta, L. de Gara, M. Lascoux, X. Johnson, S. Coelho, M. Grelon, J. Lothier, M. Tenaillon & C. Robaglia)

Maud Tenaillon, Directrice de recherche CNRS G_i 1/2 n_i 1/2 tique Quantitative et Evolution - Le Moulon Université 1/2 Paris-Saclay - INRAE - CNRS - AgroParis-Tech Institut Diversit_i 1/2 Ecologie et Evolution du Vivant (IDEEV)

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MonteVerita Switzerland EvolutionInAction Jun11-15

Dear all,

We would like to invite you to submit your abstract for our conference EVOLUTION IN ACTION < <https://www.evolution.uzh.ch/en/conference.html> > taking place on Monte Verità, Switzerland, from June 11 - 15, 2023.

Keynotes: ANTHROPOLOGICAL GENETICS - Anne Stone, Arizona State University
EVOLUTION OF PLANT REPRODUCTIVE TRAITS - George Coupland, Max Planck Institute for Plant Breeding Research

Invited Speakers: Session PATHOGEN EVOLUTION - Francois Balloux (University College London, UK) & Eva Stukenbrock (Max Planck Institute of Evolutionary Biology, Germany)

Session POLYPLOIDY & EPIGENETIC VARIATION - Jeffrey Chen (The University of Texas at Austin, USA) & Yoav Soen (Weizmann Institute of Science, Israel)

Session DOMESTICATION - Takao Komatsuda (Shandong Academy of Agricultural Sciences, China) & Esther van der Knaap (University of Georgia, USA)

Session EMERGING TRENDS IN EVOLUTION - Tal Dagan (Christian-Albrechts University of Kiel, Germany) & Tulio de Oliveira (Stellenbosch University, South Africa)

Session ADAPTATION TO CHANGING ENVIRONMENTS - Hernán Burbano (University College London, UK) & Tábita Hünemeier (Universitat Pompeu Fabra, Spain)

Workshop MACHINE LEARNING IN EVOLUTION - Franz Baumdicker (University Tübingen, Germany) & Sara Mathieson (Haverford College, USA)

Register here < <https://www.bi.id.ethz.ch/-csfweb/faces/anonymous/event/-registerparticipant.xhtml?eventtype=-generalevent&eventid=31303e3z-6khimt-kvrxt8sn-1-kx4rt0qr-7wc&aeswindowguid=6ac76c5d-32fe-61f8-271b-c5e226fee53d> >

On behalf of the Conference Committee (Simon Aeschbacher, Chiara Barbieri, Ueli Grossniklaus, Beat Keller, Verena Schünemann, Kentaro Shimizu)

The Coordination Office of the URPP Evolution in Ac-

tion (coordination@evolution.uzh.ch)

EVOLUTION coordination
<coordination@evolution.uzh.ch>

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MountainLakeBiolStation SEPEEG Sep22-24

Save the date!

The 2023 SouthEastern Population Ecology and Evolutionary Genetics Conference (SEPEEG) will be from September 22-24th at Mountain Lake Biological Station (MLBS) in Pembroke, VA.

Information about MLBS can be found here: <https://mlbs.virginia.edu/>. Keep a look out for registration, which will open in about a month.

SEPEEG 2023 Organizing Committee: Helen Murphy
Josh Puzey Karen Barnard-Kubow Priscilla Erickson
Mandy Gibson

Karen Barnard-Kubow, PhD James Madison University
Dept. of Biology Bioscience 1028A

barnarkb@jmu.edu

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Muenster Germany BlattodeaEvolution Apr3-4

1st International Conference for Blattodea Research / Muenster, Germany / 3-4 of April 2023

Extension of the deadline for registration and abstract submission to the 10th of March.

Deadline for registration and abstract submission is 10 of March 23:59

Please *register* now:

<https://www.indico.uni-muenster.de/e/ICBR23>

And submit your *abstract*:

<https://uni-muenster.sciebo.de/s/1VOAqqTZvJy1upu>

Please ensure that your uploaded abstract contains the following information:

1. Name and affiliation of presenting author and other contributing authors 2. Preference of talk or poster 3. Career stage of presenting scientist, e.g. Master student, PhD, post-doc, etc. 4. Title of talk/poster 5. Abstract of maximum 2000 characters

Check our website for further details:

<https://icbr2023.com/> Unfortunately, it will no longer be possible to ask for child care anymore, also it might be more difficult to get a place in hotel in Muenster.

Best wishes,

Dr. Mark C. Harrison and Dr. Bertrand Fouks

Bertrand Fouks, Dr. <https://www.teepi.org>
Westfälische Wilhelms-Universität
Institute for Evolution and Biodiversity Molecular Evolution
and Bioinformatics Hiltferstrasse 1 48149 Münster,
Germany

Bertrand Fouks <bfouks@uni-muenster.de>

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

Online 3DGenomics Mar22

Hi all,

The third CIGENE seminar in as many weeks takes place next Wednesday 22nd March, 12:00-12:50 (Oslo time), after which there is a short break until April 19th. More info below:

Speaker: Uirá Souto Melo, Max Planck Institute for Molecular Genetics, Germany

Title: 3D Genomics and Diseases

Abstract: Genome-wide analysis methods, such as array comparative genomic hybridization (CGH) and whole-genome sequencing (WGS), have greatly advanced the identification of structural variants (SVs) in the human genome. However, even with standard high-throughput sequencing techniques, complex rearrangements with multiple breakpoints are often difficult to resolve, and predicting their effects on gene expression and phenotype remains a challenge. Our group addresses these problems by using high-throughput chromosome conformation capture

(Hi-C) in samples from patients with Genetic Diseases. Studying the 3-dimension structure of the DNA and how SVs can influence its normal folding is a hot topic in the fields of Human Genetics, Cancer and Evolutionary Biology.

Zoom link: <https://nmbu.zoom.us/j/67064421833> An overview of the spring series timetable is available here: <https://cigene.no/cigene-seminar-series/>. More titles/abstracts for future seminars to follow.

** We are looking for an MSCA postdoc candidate! (by March 24th) **

<https://www.nmbu.no/forskning/euramme/nmbu-msca-pf-masterclass> See you soon!

Marie

Marie SAITOU, Ph.D. Tenure-Track Principal Investigator, Centre of Integrative Genetics (CIGENE), Faculty of Biosciences, Norwegian University of Life Sciences <https://sites.google.com/view/saitou-lab> Marie Saito <marie.saitou@nmbu.no>

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

Online CIGENE FishImmunityEvolution Mar8

Dear All,

The next online Cigene seminar of the spring series takes place on Wednesday 8th March, 12:00-12:50. See details below.

Speaker: Fumio Takizawa, Associate Professor, Fukui Prefectural University, Japan

Title: IgT unique for teleost fish functions as mucosal antibody

Abstract: Antibody is critical component to bind foreign microbes for prevention of pathogen invasion and colonization. Mucosal tissues (e.g. gut and fish gill/skin) constantly contact with a vast number of microorganisms in the environment, thus serve as main entry routes for pathogens. To keep homeostasis of mucosal area, mucosal antibody control the microbiota and prevent pathogen infection. We investigated the role of IgM and IgT (T stands for Teleost fish) in mucosal tissues of rainbow trout and found that IgT plays critical roles in fish mucosal area as does mammalian IgA. My talk will focus on the role of IgT in fish immune system and the

evolution of mucosal antibody in vertebrates. Zoom link: <https://nmbu.zoom.us/j/67064421833> An overview of the spring series timetable is available here: <https://cigene.no/cigene-seminar-series/>. More titles/abstracts for future seminars to follow.

** We are looking for an MSCA postdoc candidate! (by March 24th) **

<https://www.nmbu.no/forskning/euramme/nmbu-msca-pf-masterclass> See you soon!

Marie

Marie SAITOU, Ph.D. Tenure-Track Principal Investigator, Centre of Integrative Genetics (CIGENE), Faculty of Biosciences, Norwegian University of Life Sciences <https://sites.google.com/view/saitou-lab> Marie Saito <marie.saitou@nmbu.no>

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your abstract, please visit <https://palaeovc.org/-index.php/conservation-paleobiology-looking-at-the-past-interpreting-the-present-planning-for-the-future/>. Feel free to reach out if you have any questions.

We hope you'll consider joining our session and participating to this exciting event!

Best,

Paolo Abondio, on behalf of the CPB session organizing team

Paolo Abondio, PhD Research Fellow Dept. of Cultural Heritage, University of Bologna - Ravenna Campus Via degli Ariani, 1 - 48121, Ravenna (Italy) email: paolo.abondio2@unibo.it

Paolo Abondio <paolo.abondio2@unibo.it>

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Online ConservationPaleobiology May8-22

ABSTRACT SUBMISSION EXTENDED TO MARCH 22nd!!!

Topic: Conservation paleobiology session at the 4th Palaeontological Virtual Congress

Dear EvolDir community,

Several colleagues and I will be convening a thematic session on conservation paleobiology at the 4th Palaeontological Virtual Congress < <http://palaeovc.org/> > this May. The session organizing team includes Jonathan Cybulski, Julia De Entrambasaguas-Laguna, Erin Dillon, Niklas Hohmann, Yuanyuan Hong, Matias Ritter, Isaiah Smith, and myself.

The conference runs from May 8-22, and all contributed content will be available to view online throughout this period. This is a great online conference geared toward early career researchers, has a flexible format to accommodate different geographic regions and types of talks, and is very reasonably priced (euro 5).

We invite you to submit an abstract to our session. In particular, we encourage students and early career researchers to consider participating. The call for abstracts will close on March 22nd.

To learn more about the session and submit

Online ESEB STN Speciation Mar14

Dear colleagues,

The next instalment of the online seminar series organised by the ESEB-funded STN network « Integration Of Speciation research » ([<https://speciation-network.pages.ist.ac.at/>]) will be held on 14 March 2023, 5 pm CET.

*** Note: Time zones around the world change near to this date so please check the timing of the session in your location carefully ***

The upcoming session addresses the topic of “Coupling of RI barriers - contributions of multiple barriers”. We welcome as speakers Sophie Karrenberg (Uppsala University, Sweden) and Erik Dopman (Tufts University, USA).

The session will last 1.5 hours, with the first hour dedicated to talks from our speakers followed by questions. The last half-an-hour is dedicated to a more general discussion.

To attend the session live, please use the following link: <https://gu-se.zoom.us/j/66308918245> Talks (but not the discussion session) are recorded and made available here: https://www.youtube.com/channel/UC1EkDdE_5sDw70SQq78DIAA . The IOS network aims to promote scientific integration and also integration of the community. A main objective on this front is to foster diversity and inclusion across the field.

The seminar series and subsequent discussion is open to everyone, from students to established researchers and non-scientists alike. In order to maximise the geographic diversity of attendees, we will alternate between two time slots every other month: 5 pm CET and 9 am CET. Please help us to circulate this email to anyone who may be interested, especially those in countries that are typically underrepresented in scientific discourse.

The programme of the seminar series is announced by email, on Twitter (@Speciation.net) and on the IOS network website. People who wish to automatically receive the programme and other news from the IOS network can sign up to the network mailing list from the IOS website.

We look forward to seeing you there!

The STN IOS organising committee:

Jonna Kulmuni (chair), Chris Cooney, Sean Stankowski, Carole Smadja (co-chairs), Sonal Singhal, Liz Scordato, Joana Meier, Richard Merrill, Konrad Lohse, Nick Barton and Roger Butlin

NERC Research Fellow School of Biosciences University of Sheffield www.cooneylab.co.uk Chris Cooney <c.cooney@sheffield.ac.uk>

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Online GenomeSizeDiversity Mar15

Dear All,

The next online Cigene seminar of the spring series takes place on Wednesday 15th March, 12:00-12:50 (Oslo time). See details below. Speaker: Jean-François Flot, Université Libre de Bruxelles Intraspecific genome size diversity in animals

The abstract: It is usually considered (and often taught in BSc courses) that each species of animal has a characteristic genome size. As a result, much research has focused on elucidating the causes and consequences of interspecific differences in genome size, whereas almost no study ever looked at intraspecific differences. Thanks to the availability of a new Feulgen-based protocol to measure genome sizes with high precision, my group at the Université Libre de Bruxelles has embarked on a study of intraspecific genome size variation in various groups of animals including corals, sponges, arthropods and vertebrates. Our first results suggests that intraspe-

cific genome size variations are commonplace, and that there may be no such thing as “the genome size of a species”.

Zoom link: <https://nmbu.zoom.us/j/67064421833> An overview of the spring series timetable is available here: <https://cigene.no/cigene-seminar-series/>. More titles/abstracts for future seminars to follow.

** We are looking for an MSCA postdoc candidate! (by March 24th) ** <https://www.nmbu.no/forskning/euramme/nmbu-msca-pf-masterclass> See you soon!

Marie Marie SAITOU, Ph.D. Tenure-Track Principal Investigator, Centre of Integrative Genetics (CIGENE), Faculty of Biosciences, Norwegian University of Life Sciences <https://sites.google.com/view/saitou-lab> Marie Saito <marie.saitou@nmbu.no>

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Online MicrobiomeMediatedBehaviour Mar23

The wild animal microbiome and evolution (WAME-<https://www.wamestn.com/>) network are pleased to invite you to a seminar on

“Microbiome-mediated behaviour in animals”

Speakers:

Prof. Sarkis Mazmanian: “Gut microbial metabolites influence brain activity and behaviours in laboratory mice”

Dr. Gabrielle Davidson: “Comparative microbiome-mediated cognition”

Dr. Cassondra Vernier: “Gut microbes influence host behaviour in the honey bee, *Apis mellifera*”

When: Thursday March 23rd 2023 Time: 3 - 5pm GMT (11am Eastern, 8am Pacific time) Where: Online (zoom). To receive the zoom link please register at tinyurl.com/WAMEseminar

Kind regards

Sarah Worsley

University of East Anglia, Norwich, UK
s.worsley@uea.ac.uk

“Sarah Worsley (BIO - Staff)” <S.Worsley@uea.ac.uk>

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Online SMBE
SexDifferencesGeneticsEvol
Apr26-27

Dear colleagues,

We are thrilled to invite you to the “Genetics and Evolution of Sex Differences” Symposium

(GS10) that is part of the SMBEeverywhere 2022-2023 series of Global Symposia.

Our symposium will take place in short sessions across two days: April 26 - April 27, from 4pm-7pm EDT (1pm-4pm PST, 8pm-11pm UTC). Note that this corresponds to April 27 - April 28 for Australasia (6am-9am AEDT, 8am-11am NZDT).

We have invited talks from Mark Kirkpatrick (University of Texas Austin) and David Page (Whitehead Institute and MIT).

Please visit the SMBEeverywhere GS10 website for more information:

<http://www.smbe.org/smbe/MEETINGS/-SMBEeverywhere/GS10.aspx> Abstract submission EXTENDED deadline: 4 March 2023

Please submit your abstracts here:

<https://app.oxfordabstracts.com/stages/5602/-submitter> We particularly encourage submissions from underrepresented groups in the SMBE community (e.g., women, minorities, LGBTQ+, individuals based outside US/Canada/Europe/Australia/NZ).

Registration is free to SMBE members.

Abstract: Sexual dimorphism is one of the most conspicuous examples of evolution by natural selection and is observed across numerous phenotypes and species. It is even observed in molecular processes like mutation and recombination that directly shape patterns of genetic variation. However, the heritable components of traits under sex-differential selection stem largely from genetic sequences that are co-inherited between the sexes (e.g., autosomes, X chromosomes). This genetic constraint gives rise to genetic variants with opposing fitness effects in each sex, which can shape genomes over short and long evolutionary timescales (e.g., they can affect the evolution of sex chromosomes), influence population

extinction, and maintain genetic variation for fitness and disease. However, despite a decade of genomic-era research, studying sex-differential genetic effects and evolution remains very challenging.

This symposium will bring together theoreticians and empiricists to present cutting-edge research and novel approaches aimed at understanding the evolutionary causes and genetic consequences of sex differences.

Sincerely,

GS10 Organizers:

Ludovic Dutoit (Univ of Otago, NZ)

Sarah Flanagan (Univ of Canterbury, NZ)

Arbel Harpak (UT Austin, USA)

Filip Ruzicka (Monash Univ, Australia)

Ziyue Gao (Univ of Pennsylvania, USA)

Filip Ruzicka <Filip.Ruzicka@monash.edu>

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Paris EvolutionaryGeneticsEcol
May22-23

Dear all,

Abderrahman Khila and I are very happy to invite you to the international conference “Integrating Evolutionary Genetics and Ecology” which will take place in Paris on 22-23 May 2023.

This conference is free of charge. Registration is required for the second day but not for the first day.

There is increasing recognition that ecological and evolutionary genetics approaches should be combined to study phenotypic diversity, adaptation and evolution. This conference will bring together researchers working at the intersection of evolutionary genetics and ecology to study the evolution of animals and plants.

This conference will review recent advances in the origin of diversity in animals and plants. It should also allow the establishment of new collaborative links between researchers from various disciplines. The poster session will provide an opportunity to introduce invited foreign researchers to the research work being carried out in France that combines evolutionary genetics and ecology. In the spirit of the Collège de France, the symposium

will be open to all, free of charge and without conditions.

22 May 2023 : Collège de France - Amphithéâtre Maurice Halbwachs - 11, place Marcelin-Berthelot 75005 Paris

23 May 2023 : Institut Jacques Monod - Amphithéâtre Buffon - 15, rue Helene Brion 75005 Paris

Invited Speakers: Peter Andolfatto, Patricia Beldade, Rayna Bell, Magdalena Bohutiński, Anne Charmantier, Vincent Colot, Nathalie Feiner, Thomas Flatt, Elina Immonen, Abderrahman Khila, Arnaud Martin, Claire Miron, António Monteiro, Magnus Nordborg, Dmitri Petrov, Benjamin Prud'homme, Fabrice Roux, David Stern, Trisha Wittkopp, Yannick Wurm, Amir Yassin

Posters are welcome.

Registration before 23 April 2023.

Website for registration:

<https://iege.sciencesconf.org/> Collège de France - 22 May website:

<https://www.college-de-france.fr/agenda/colloque/-integrating-evolutionary-genetics-and-ecology> With best regards,

Virginie and Abdou

Virginie Courtier-Orgogozo Directrice de Recherche CNRS Professeure associée à l'École Polytechnique Professeure attachée à la Chaire "Biodiversité et écosystèmes" du Collège de France Institut Jacques Monod - CNRS UMR7592 - Université Paris Cité Bâtiment Buffon - 4e étage - 420B 15 rue Hélène Brion 75013 Paris France Téléphone : (33) 1 57 27 80 43 fax : (33) 1 57 27 80 87 [@Biol4Ever](https://courtier.ijm.fr)

Cours "Penser le vivant autrement" au Collège de France - ouvert à tous sans inscription le lundi 10h du 13 février au 3 avril 2023 <https://www.college-de-france.fr/agenda/cours/penser-le-vivant-autrement> COURTIER Virginie <virginie.courtier@ijm.fr>

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PrincetonU SmallPopEvolution Jun28-30

The SMBE Satellite Meeting on "Molecular Evolution in Small Populations" will take place at Princeton University in New Jersey, USA, from Wednesday June 28-Friday June 30, 2023. This satellite meeting will bring together scientists working on multiple aspects of molecular evolution in small populations, including evolutionary theory, demographic inference, fitness implications, and conservation genomics. The meeting will consist of several sessions of invited talks, organized networking and mentoring opportunities, poster sessions, and structured discussions about integrating theory, data, and practice to form a holistic view of how evolution proceeds in small populations.

Thanks to sponsorship from SMBE, there is no registration fee for this conference. In addition, no cost dorm-style housing is available for the first 50 students/postdocs who register. A limited number of travel awards are available to cover partial travel costs for students/postdocs traveling from outside the USA, Canada, or Europe. Due to venue and budget constraints, participation is limited to the first 75 registrants.

You can find details on the meeting program, invited speakers, travel logistics, and registration information at the meeting website: <https://smbe-smallpops2023.com/> To register: <https://forms.gle/p8gfp44fHMfAcKbQ8> Please share this SMBE Satellite Meeting announcement with anyone who might be interested in attending!

sjgaughran@princeton.edu

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Roscoff SexUnfolded Sept11-15 RegistrationOpen

Dear Colleagues,

Registration is now open for the upcoming Jacques Monod Conference: SEX UNFOLDED : SEX, ASEX, SEXES September 11-15, 2023 in Roscoff (Brittany),

France.

Details and registration here: <https://cjm3-2023.sciencesconf.org/> We hope to see you there,

Thomas Lenormand, Karine Van Doninck, Denis Roze

Thomas LENORMAND
<thomas.lenormand@cefe.cnrs.fr>

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SMBE Ferrara GeneDrivesandPathogens Jul23-27

hello all, We would like to invite you to submit your abstracts for our symposium “Leveraging evolution: controlling wild populations using gene drives and pathogens” at the 2023 Society for Molecular Biology and Evolution Conference taking place in Ferrara, Italy from 23-27th July (<https://www.smb2023.org/abstractsubmission>).

Invited speaker presentations: Paul Thomas: Using Synthetic and Natural Gene Drives for Feral Rodent Population Suppression

Florence Debarre: Spatial structure and demographic feedbacks affect the spread of a gene drive

Symposium description: Concerns with physical and chemical approaches to control invasive species and disease vectors have heightened interest in genetic and biological methods that may provide species-specific, humane, and effective population control. One example are synthetic gene drives, which promise a powerful evolutionary mechanism for rapidly propagating genetic traits through wild populations to permanently modify or suppress invasive species or disease vectors. Another example are parasitic intracellular microbes (e.g. Wolbachia) that can suppress populations through biasing offspring sex-ratios. Despite significant international discussion on the potential deployment of such systems, there remain critical concerns about efficacy, containment, and unforeseen ecological consequences. Laboratory experiments are also revealing the technical difficulty of replicating insect gene drive success in vertebrate species, posing a significant challenge for efforts to locally eradicate problematic invasive mammals like rodents. Advances in computing power are enabling increasingly realistic simulations of biocontrol approaches that can better capture the complexity of population

structure, spatiotemporal variation, pathogen transmission and evolution, and demographic and ecological processes. This should allow us to greatly improve our understanding of the expected evolutionary dynamics of such approaches in wild populations. Our symposium aims to highlight the diversity of international research on these new biocontrol methods and facilitate collaboration to encourage robust international development and understanding.

We welcome abstracts from all relevant research groups and would particularly like to encourage contribution from graduate students and trainees. We have a limited amount of funding to support the attendance of graduate students in need. If this sounds like you, please submit an abstract using the conference link above and then email anna.clark@postgrad.otago.ac.nz with a brief statement addressing your need for this funding.

Abstract deadline: 15th March 2023 Hope to see you in Ferrara! Cheers, Anna Clark and Philipp Messer (organizers) Anna Clark PhD Student Gemmell Lab Department of Anatomy | School of Biomedical Sciences | University of Otago Te Tari Kikokiko | Te Kura Mātai Rongoā-Koiora | Te Whare Wānanga o Otāgo

Anna Clark <anna.clark@postgrad.otago.ac.nz>

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SMBE Ferrara StructuralGenomicVariation Jul23-27

Hi All, registration is open for the SMBE conference in Ferrara (23-27 July, 2023):

<https://www.smb2023.org/registration-and-fees> but early bird registration closes on March 5th. Abstract submission is due by March 15th.

We welcome submissions for our symposium on the 'Evolution of structural genomic variation in populations & species' (number 19 at <https://www.smb2023.org/symposia>)

Invited speakers:

Scott Edwards: Comparative population pangenomes of songbirds reveal unexpected genome complexity and fitness effects of structural variation

Sissel Jentoft: The Evolutionary role of Genomic Archi-

tectures in Marine Fishes

Symposium abstract:

Much of our understanding of the genomics of adaptive and neutral evolution has been based on single nucleotide variants (SNV), providing key insights. However, genomes are also in a state of flux generating structural variation (SV) associated with translocations, inversions, repetitive regions, transposons, variable gene copy number, etc. The 'pangenome' for a species or population is comprised of a core sequence shared by all, together with structurally variable or dispensable components found only in some individuals. While some structural variants will be evolutionarily neutral, examples are increasingly being proposed for SV changes that lead to local adaptations and the evolution of ecotypes, sometimes best understood when both SNV and SV changes are considered together. A more complete understanding of evolutionary processes will certainly require a better understanding of structural variation, which will also promote better inference for applications such as agricultural development and conservation. This symposium will highlight the present state of understanding and help identify valuable directions of study for the future.

“HOELZEL, RUS A.R.” <a.r.hoelzel@durham.ac.uk>

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SMBE Italy
HumanDomesticatePaleogenomics
Jul17-23

Dear colleagues,

We are organizing a symposium titled

“Entangled histories: insights into the evolution of humans and their domesticates through paleogenomics”

to be held during the SMBE meeting in Ferrara, Italy, between July 23-27, 2023. Deadline for abstract submission is 15/03/2023.

More information about the SMBE meeting: www.smb2023.org Invited speakers: Pontus Skoglund (<https://www.crick.ac.uk/research/labs/pontus-skoglund>) Victoria Mullin (<https://www.nhm.ac.uk/our-science/departments-and-staff/staff-directory/victoria-mullin.html>)

Abstract: Our understanding of recent demographic history and natural selection processes in human populations has increased dramatically over the last decade owing to the ever-growing number of genome sequences, in particular, ancient genomes. Genomic and paleogenomic data from domestic species are also multiplying. The analysis of these data is in its infancy but has already revealed notable parallels between evolutionary changes in humans and interacting taxa. These include parallel histories of dispersal and admixture, as well as cases of convergent evolution. In this session, we will cover recent and wide-ranging discoveries in this emerging field of paleogenomics. We expect the session to provide a deeper understanding of our own history, and also of the demographic dynamics of domesticates and their convergent adaptations.

Organizers: Mehmet Somel (somel.mehmet@googlemail.com) Eva-Maria Geigl (Eva-maria.GEIGL@ijm.fr) Anders Götherström (anders.gotherstrom@arklab.su.se) Pavlos Pavlidis (pavlidisp@gmail.com)

Dates: Registration opens: Feb 02, 2023 Abstract submission deadline: Mar 15, 2023 Notification of decisions: Apr 20, 2023 Early bird deadline: May 5, 2023

Abstract submission page: <https://www.smb2023.org/abstractsubmission> Awards and support: <https://www.smb2023.org/awards> Note the awards application deadline: 15/03/2023.

The symposium organizers may also be able to support travel for early career researchers from non-European and low-income countries through a small budget allotted to each symposium SMBE. Researchers who may need such support may contact the organizers after the decisions are announced.

Mehmet Somel <somel.mehmet@googlemail.com>

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SMBE Italy Sex-dependentSelection
Jul23-27

Dear all,

We would like to invite you to join us at our symposium on “Molecular evolutionary patterns under sex-dependent selection and sexual conflict” that will take

place at the SMBE meeting in Ferrara, Italy from July 23rd to July 27th. The deadline to submit abstracts is March 15th (<https://www.smbe2023.org/abstractsubmission>). You can also find more information about the meeting on the official meeting website at <https://www.smbe2023.org/> We look forward to your contributions and to seeing you all in Ferrara!

Below is a description of our symposium.

Organizers: Jose Ranz, Alberto Civetta

Invited speakers: Manyuan Long, Max Reuter

Description of the symposium:

Sexual reproduction sets the ground for traits to evolve in a sex-dependent or limited manner, a process that is driven by sex-dependent (either sexual or natural) selection, sometimes resulting into opposed benefits for males and females, i.e. sexual conflict. This is possible because of an underlying sex-specific trait architecture that relies on genetic factors or mutations with sex-biased effects, ultimately affecting the functional properties of many genes across the genome. These properties typically include different expression attributes of genes and networks, having the potential to shape trait characteristics and impact main fitness components. As a result, sexual dimorphism is pervasive across multiple levels of biological organization and taxa. Importantly, recent technical and analytical advances are facilitating a more precise identification of molecular signatures associated with the action of sex-dependent selection and conflict, as well as the impact of intra and interlocus sexual conflict on the evolution of sex-specific adaptations and constrains on traits optima. In this symposium, we are bringing together recent work that broadly addresses molecular evolutionary patterns under sex-dependent selection and sexual conflict. Among other topics, we examine how sex-biased effects manifest at the molecular level and affect the phenotype, involving work from whole-genome scale expression patterns, to functional networks properties, to the evolution of young genes that are undergoing functional specialization.

Alberto Civetta <a.civetta@uwinnipeg.ca>

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UFribourg Polyploidy Jul10-11

A symposium entitled “Genome duplication at the intersection of biodiversity and crop sciences” will take place at the University of Fribourg (Switzerland) from 10 to 11 July 2023.

Most organisms have gone through polyploidy (i.e. genome duplication) and this process is thus central to the origin and evolution of species, including most current major crops. Invited lectures and contributed talks will thus illustrate current approaches to tackle main challenges inherent to research on polyploid organisms and advance our understanding of biodiversity and crops in changing environments. More details available at https://events.unifr.ch/summerschool_polyploidy/en/ Invited speakers include Yves van de Peer (Ghent University, Belgium) <https://www.vandeppeerlab.org/> Kirsten Bomblies (ETH-Zurich, Switzerland) <https://impb.ethz.ch/research/research-evo.html> Boulos Chalhoub (Agroscope, Switzerland) <https://www.agroscope.admin.ch/agroscope/en/home/about-us/organization/competence-divisions-strategic-research-divisions/plant-breeding/field-crop-breeding-genetic-resources.html> Christian Parisod (local organizer; University of Fribourg, Switzerland) <https://www.unifr.ch/bio/en/research/genetics-parisod-group.html> You can submit your abstract for consideration as a contributed talks until 16.04.2023 at: https://events.unifr.ch/summerschool_polyploidy/en/registration/ This symposium, open to everyone, also represents the starting point of a summer school entitled “Polyploid evolutionary genomics: challenges and opportunities” that involves international lecturers and that is open to selected participants. More information available at: https://events.unifr.ch/summerschool_polyploidy/en/program/overview.html Registration fees for the Symposium (CHF 100). Deadline for registration: 16.04.2023 Further details about the venue, program and registration can be found at: https://events.unifr.ch/summerschool_polyploidy/en/ Prof. Christian Parisod Department of Biology - University of Fribourg Chemin du Musil $\frac{1}{2}$ e 10 - 1700 Fribourg - Switzerland Phone: +41 26 300 8852 e-mail: christian.parisod@unifr.ch <https://www.unifr.ch/bio/en/research/eco-evol/parisod-group.html> PARISOD Christian <christian.parisod@unifr.ch>

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UKansas Genomics May19

Dear Colleagues,

The abstract submission deadline is less than 2 weeks away! Abstracts are due March 15th for oral or poster presentations. Registration is open until April 15th. Please remember you will need to separately register even if you submit an abstract.

The 2nd Annual Research Symposium hosted by the KU Center for Genomics will be held in person on Friday, May 19, 2023 at Maceli's Banquet Hall in Lawrence, KS. We invite anyone, especially postdocs, graduate

students, research staff, and undergraduates, to apply to present their work via poster or oral presentation. The event is free for anyone to present or attend.

For additional information about the symposium including registration information, please see the attached flyer or follow this link < <https://genomics.ku.edu/2023-genomics-symposium> >. Please feel free to forward this to anyone who may be interested. If there are any questions or comments, please direct them to kucg@ku.edu.

On behalf of the organizing committee, we look forward to seeing everyone in May!

Link to webpage: <https://genomics.ku.edu/2023-genomics-symposium> Thank you, KU Symposium Postdoc Committee

“Everman, Elizabeth Rose” <e.everman@ku.edu>

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AustralianNationalUniversity HumanEvolutionaryGenetics

Graduate position: AustralianNationalUniversity.HumanEvolutionaryGenetics

BACKGROUND We are seeking expressions of interest from highly motivated students to join the multidisciplinary research team at the Evolution of Cultural Diversity Initiative, in the School of History, Culture and Language at The Australian National University.

The PhD research projects will reconstruct human prehistory in Island Southeast Asia by integrating information extracted from modern and ancient genomes with archaeological and anthropological data. The focus will be on the demographic history of human populations over the last 100,000 years, including complex migrations, admixture events with extinct hominins, and episodes of adaptation to local environments.

REQUIREMENTS Potential candidates must have, as a minimum, an excellent undergraduate academic record and meet the English Language Proficiency (ELP) requirement. The positions will be open to international and domestic students with backgrounds in biology, population/quantitative genetics, bioinformatics, statistics, computer science, mathematics, archaeology, or related fields. There will be training opportunities available in population genetics, ancient DNA, archaeology, programming, statistics, and linguistics during the PhD.

PREFERENCES The following skills are desirable but not mandatory: Prior experience with the analysis of large-scale genomic datasets. Good computational (e.g., Bash scripting; Python and/or R), statistical and analytical skills.

LOCALE The selected PhD candidates will be situated at the Evolution of Cultural Diversity Initiative, a highly dynamic trans-disciplinary group based at The Australian National University, in Canberra. Our group includes world-leading researchers in genetics, linguistics, archaeology, philosophy, and anthropology working on reconstructing the human past with a focus on the drivers and processes underpinning cultural diversity. Selected candidates are expected to participate on temporary research secondments with collaborators in other parts of Australia, Indonesia and/or Europe. The tentative start date is January 2024.

HOW TO APPLY If you are interested send a CV (including names and contact details of three references) and a cover letter to Dr João Teixeira

(joao.teixeira[at]anu.edu.au) or Dr Ray Tobler (ray.tobler[at]anu.edu.au).

Joao Teixeira <joao.teixeira@anu.edu.au>

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CharlesUniversity Prague ProgrammedDNAElimination

PhD position in: Mechanisms of programmed DNA elimination in songbirds Application deadline extended until: March 15th, 2023 Position is for 4 years and starts in October 2023

Multicellular organisms usually have the same genetic information in all cells of an individual. There is, however, a growing list of exceptions, where parts of the genome are removed from some cells. This programmed DNA elimination has evolved multiple times across animals and plants, but we still know very little about its function, proximate mechanisms, and evolutionary significance. This project aims to study programmed DNA elimination in songbirds, where a whole chromosome is removed from the somatic cells during embryogenesis and from the male germ cells during spermatogenesis. This germline-restricted chromosome (GRC) shows extraordinarily dynamic evolution and unstable meiotic and mitotic inheritance. Yet, it has not been lost from the genome for over 30 million years of songbird evolution, suggesting that it has an important function. The goal of this project is to reveal cellular mechanisms of the GRC elimination from the somatic cells as well as from male germ cells and clarify modes of GRC inheritance. This will be achieved using a combination of advanced cytogenetic, immunohistological and genomic approaches. The project will be performed on two model organisms, the two closely related nightingale species of the genus *Luscinia* and several estrildid finches of the genus *Lonchura*. The successful candidate will have the opportunity to work in an interdisciplinary team of young researchers experienced in cytogenetics, genomics and bioinformatics.

Where we are based: Our group is based at the Department of Zoology, Faculty of Science, Charles University, which belongs to the leading research institutions in the Czech Republic. The Faculty of Science is situated in the center of Prague, one of the world's most beautiful and monumental cities.

How to apply: If interested, please, send (1) CV, (2) motivation letter and (3) contact details for 2 references to Radka Reifova (radka.reifova@natur.cuni.cz) by 15th March 2023.

Contact: Radka Reifová¹/₂, Department of Zoology (radka.reifova@natur.cuni.cz). Web page:<http://web.natur.cuni.cz/~radkas> Radka Reifová¹/₂ <radka.reifova@natur.cuni.cz>

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Crete Two BiodiversityComputing

Dear Community,

There are two PhD positions with competitive salaries available in my new, second research group (<https://www.biocomp.gr/>) that I am currently setting up in Crete under the auspices of the EU ERA chair program. We are looking for computer scientists, Bioinformaticians or “programming Biologists”.

If you want to do research where other people spend their vacations the Biodiversity Computing Group is the place to be.

To apply please follow one of the two links below:

<https://www.ics.forth.gr/jobs> vacancy ID: ICS-2010

https://jobs.ics.forth.gr/job_opportunities/-2010_EN_rvsd_ADA_ICs-2010_Comp-Biodiv-GR___%CE%A0%CF%81%CE%BF%CE%BA%CE%B7%CF%81%CF%85%CE%BE%CE%B7_2_96%CE%988469%CE%97%CE%9A%CE%A5-14%CE%9A.pdf

For inquiries please send an email to stamatak@ics.forth.gr

Alexis

Alexandros (Alexis) Stamatakis

ERA Chair, Institute of Computer Science, Foundation for Research and Technology - Hellas Research Group Leader, Heidelberg Institute for Theoretical Studies Full Professor, Dept. of Informatics, Karlsruhe Institute of Technology

www.biocomp.gr (Crete lab) www.exelixis-lab.org (Heidelberg lab)

CzechU LifeSciences Phylogenetics Termitophiles

PhD positions in genomic and phenotypic evolution of convergently adapting insect lineages

Location: Czech University of Life Sciences, Prague, Czechia

Starting date: September 2023 (earlier start negotiable)

Application deadlines: Applications will be evaluated until the end of April 2023.

Project outline: Organisms often evolve similar adaptations to similar environments in the process of convergent evolution. Such observations suggest that the trajectory of phenotypic evolution is amenable to predictions. Whether the genomic trajectories of convergent organisms are also - in principle - predictable is unclear due to the scarcity of genomic evidence from convergent organismal groups. To answer this fundamental evolutionary question, we are using a model system consisting of rove beetles (Staphylinidae: Aleocharinae) and scuttle flies (Phoridae) that adapted more than twenty times repeatedly to live in symbiosis with termites. The successful candidate will use phylogenetic methods, comparative analyses of X - ray microtomographic reconstructions of phenotypes, and optionally comparative genomics to infer the trajectories of convergent adaptations. We already generated a series of genome assemblies, large datasets of microtomography data, and have extensive collections of preserved specimens, which will give the PhD candidates a head start with their analyses while they will collect additional data.

Funding: The successful applicants will develop their PhD project in a team funded by a highly selective 5 - year research grant JUNIOR STAR GAAR from the Czech Science Foundation. See <https://bucek.ftz.czu.cz> for more information.

We require - curiosity about evolutionary questions - motivation to lead your own subproject under our supervision - excellent written and spoken communication ability in English - MSc degree in biology, bioinformatics, or related fields

We offer - supportive research lab situated within a green campus of a dynamic university 30min from the center of the energetic city of Prague - starting monthly

net compensation based on previous experience ~ 1,000 - 1,200 EUR consisting of student scholarship and salary, competitive within Czechia (note that the living cost is generally lower in Czechia compared to the western Europe); bonuses for publications - participation in international collaborations (Germany, Japan)

We seek candidates with some of the following previous experience and preferably combination of them: - scripting and programming - bioinformatics and next - generation sequence data analysis - evolutionary biology - comparative genomics - phylogenetics - X - ray microtomography, 3D - morphometry, image analysis - wet lab experience with next - generation sequencing - insect taxonomy

The successful candidates are expected (and will receive support) to develop combination of some of these research skills during their PhD.

We also encourage and offer support to candidates willing to further strengthen their research profile by applying for independent funding, such as Marie Curie fellowship (deadline September 2023).

Please visit <https://bucek.ftz.czu.cz/cs> for more details.

Ales Bucek <bucek.ales@gmail.com>

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Dijon France AvianUrbanAdaptation

Dear everyone,

We offer a PhD position on the acoustic and behavioral responses in blue and great tits to urbanization and interspecific competition.

The position is opened to the competition at $\ddot{i}l_{\frac{1}{2}}$ cole doctorale ES UBFC in our lab (Biogeosciences Lab, Dijon) More details [<https://clairemsdufour.wixsite.com/research>] All information to apply : [<https://e2s.ubfc.fr/concours-2023-sujets-et-calendrier/>], deadline May 10th 2023 (12pm)

Best,

Dr. Claire Dufour (MCF) Behavioral Ecologist Researcher & Lecturer at the University of Burgundy Biogeosciences lab 6 boulevard Gabriel, UMR CNRS 6282, Office 317N Dijon, France [https://clairemsdufour\(dot\)wixsite\(dot\)com/research](https://clairemsdufour(dot)wixsite(dot)com/research)

Claire Dufour <Claire.Dufour@u-bourgogne.fr>

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Germany Three Biodiversity

3 PhD positions are available within the collaborative project "BIGFOOT - Biodiversity decline's Genomic FOOTprint": <https://leibniz-lib.de/Karriere/>. We are looking for candidates with interest in genomics and population genomics studying biodiversity, in combination with molecular (laboratory) work on difficult samples.

The interdisciplinary team of supervising PIs is based at the LIB in Bonn, the LIB in Hamburg, the University of Cologne, and the Senckenberg Institute. Application deadline is the 4th of April 2023. Please do get in touch with the PIs listed in the job adverts for further information.

Best regards Philipp

Sicher versendet mit [Proton Mail] (<https://proton.me/>).
worm-lab <worm-lab@protonmail.ch>

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JagiellonianU TardigradePhylogeography

PhD studentship in microinvertebrate phylogeography

Fully funded 4-year PhD studentship in tardigrade evolution at the Jagiellonian University in Kraków (Poland) in the team of Prof. ukasz Michalczyk, co-supervised by Dr. Alejandro López-López.

The main goal of the project is to determine the distribution patterns of tardigrades, as a model for microinvertebrates, in local (1-10 km) and regional (100-1000 km) scales, using high throughput sequencing of environmental DNA (eDNA) to get high coverage of accurate sampling of their biodiversity. Our results will help us understand how the presence or absence of taxa in dif-

ferent points of a small area is determined, testing how they are shaped by environmental variables (substrate, microclimate), short-distance isolation, harshness of local conditions, or the presence of human disturbance. We will also determine how the past changes of a region with a complex tectonic and climate history, the strait of Gibraltar, have affected the current distribution of microinvertebrates in the “archipelago” of mountain ranges around this area. The results of this project will likely be revolutionary for our understanding of the biology and evolution of microinvertebrates. Understanding the processes that determine the distribution of these organisms will be essential to determine which evolutionary and populational processes are affecting the dynamics of these invertebrates and will help to assess their reliability as essential bioindicators. The data gathered on this project will also contribute to create a reference framework for future studies.

The successful candidate will be involved in the gathering of moss samples, eDNA and DNA extraction, amplification and multilocus sequencing (NGS), bioinformatic processing of the obtained sequences, extraction of tardigrades, slide preparation, and species identification. The student will also analyse data and prepare drafts of manuscripts, and will be involved in the promotion of results at seminars and conferences.

The PhD programme in Biology at the Jagiellonian University is run entirely in English and it includes some obligatory and facultative classes. The programme is open to all nationalities and there are no tuition fees.

The PhD stipend is 6—850—PLN per month (typically, cost of life in Kraków for a PhD student is ca. 3—000 PLN/month).

Deadline for applications: 7th May 2023.

Detailed information on the project, university, our team and the application procedure is available here: <https://smallworlds.org/phd-position/> Dr. Alejandro López-López alejandro.lopez-lopez@uj.edu.pl

Alejandro López-López <alejandro.lopez-lopez@uj.edu.pl>

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KielU Two Fungal Diversity Resistance Genes

The Institute of Phytopathology at the Christian-Albrechts-Universität in Kiel, Department of Phytopathology and Crop Protection (Head Prof. Dr. Remco Stam) has a two Graduate Student vacancies:

PROJECT 1 PhD Student in pathogen genetic diversity

The candidate will participate in a project in collaboration with a large agricultural firm investigating the genetic diversity and spread of a major crop pathogen.

Within the project we aim to collect several hundreds of pathogen isolates. By using whole genome sequencing and epidemiological models we want to assess the genetic diversity of the pathogen, its dispersal and the impact thereof on crop protection strategies.

Job description:

This PhD project will encompass a diverse range of tasks, that include, but are not limited to: — Data analyses: genetic diversity and epidemiological data analyses. — (Coordination of) sample collection (field) and preparation (lab work) — Communication with stakeholders: industry partners, field owners — Preparation of reports, presentations and publications in the field of evolutionary genomics or population genomics and epidemiology of phytopathogens — Organisational tasks within the department — Supervision of MSc and BSc theses and HiWis.

We offer: — An exciting project in a dynamic department working on a broad range of phytopathological subjects. — Excellent working opportunities for Genomics analyses through direct access to the CAU HPC. — A high level of independence to develop the research project. — The opportunity to develop further through seminars and courses organised by the CAU Graduate Centre. — The possibility to interact with genomics and epidemiology experts in industry.

Requirements profile: — Msc in biology, bioinformatics, plant sciences, agricultural sciences or a related science subject. — Knowledge in evolutionary genomics or population genomics and experimental design — Experience with NGS data analysis — Scripting experience (Bash, R and/or Python) — Interest in epidemiology of plant pathogens — Flexibility,

an independent working style and ability to work in a team ——— Field and laboratory experience with fungal plant pathogens, including isolation, propagation and DNA extraction is desired. ——— A driving license category B is highly desired, as the selected candidate need to be able to access the field sites.

Relevant literature:

Population-level deep sequencing reveals the interplay of clonal and sexual reproduction in the fungal wheat pathogen *Zygomycetozoria tritici*. Singh NK*, Karisto P, Croll D (2021). *Microbial Genomics* <https://doi.org/10.1099/mgen.0.000678> Whole Genome Sequencing Elucidates the Species-Wide Diversity and Evolution of Fungicide Resistance in the Early Blight Pathogen *Alternaria Solani* Severin Einspanier, Tamara Susanto, Nicole Metz, Pieter J. Wolters, Vivianne G. A. A. Vleeshouwers, Åsa Lankinen, Erland Liljeroth, Ralph Hüchelhoven, Hans Hausladen and Remco Stam* (2022). *Evolutionary Applications*— <https://doi.org/10.1111/eva.13350> Population Genomics of Filamentous Plant Pathogens A Brief Overview of Research Questions, Approaches, and Pitfalls S. Everhart, N. Gambhir and R. Stam* (2021) *Phytopathology* <https://doi.org/10.1094/PHTO-11-20-0527-FI> The current epidemic of the barley pathogen *Ramularia collo-cygni* derives from a recent population expansion and shows global admixture R. Stam*, H. Sghyer,— A. Tellier, M. Heß, R. Hüchelhoven, (2019) *Phytopathology* 109 (12) :2161-2168 <https://doi.org/10.1094/PHTO-04-19-0117-R> Applications:

Christian-Albrechts-Universität zu Kiel sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social origin, religion, ideology, disability or sexual identity. We promote gender equality. Women are given priority in the case of equivalent aptitude, ability and professional performance.

The university is committed to the employment of severely disabled people. Therefore, these applicants and their peers will be given preferential consideration if they are suitably qualified. Applications by people with a migration background are particularly welcomed.

We do not endorse submitting photographs/application photos and therefore ask you to refrain from doing so.

Applications with the following documents: 1. letter of motivation explaining the candidates fit to the requirements profile, 2. curriculum

— / —

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>

LilleU France GenomicsTranscriptomicsBryophytes

Two PhD positions in the “Genomics of speciation in Bryophytes” (thesis #1) and “Adaptation and purifying selection in Bryophytes” (thesis #2).

These are 3-years positions (100% funded) in the Fraïsse lab.

Start date: Thesis #1 = September 2023 (preferred but negotiable). Thesis #2 = January 2024 (preferred but negotiable). Applications are welcome from now on until the position is filled.

Location: Evolution, Ecology & Paleontology lab, Lille University (France). <https://eep.univ-lille.fr/en/presentation-english/> The EEP lab at Lille University conducts basic research on the origin and evolution of biodiversity in genomics, ecology and palaeontology, plants being the lab’s historical model system. It hosts a total of ca. 50 researchers & technicians and 25 PhD students & PostDocs. Lille is a vibrant university city located in the North of France, less than 1h30 from Paris, Brussels and London.

Salary: Monthly net salary is around 2,100 euros. The contract includes health insurance and 44 days of annual leave.

Context: ERC project “BryoFit” (2022-2027) led by Christelle Fraïsse. Selection efficacy at intraspecific and interspecific scales: insights from haplo-diplontic plants. <https://sites.google.com/view/cfraisserios/home>

Project: Factors influencing the efficacy of natural selection, particularly how the dominance level of selected mutations interacts with the ploidy level of organisms, remain poorly understood. A key prediction is that recessivity should reduce selection efficacy in diploids but not haploids. However, this is challenging to test directly in species with a diploid-dominant life cycle. An under-explored phylogenetic clade ideal for studying this question is Bryophytes. Their life cycles are characterised by alternating between a long haploid phase (gametophyte) and a short diploid phase (sporophyte). The exact project plan will be adjusted based on the background and interest of the candidate.

Thesis #1: The relative lengths of the haploid and diploid phases can be appreciably different across different species, making them ideal for comparative analysis

to decipher the role of ploidy in the emergence of new species. With that global aim, the PhD project will evaluate how ploidy in haplo-diplontic organisms affects the efficacy of selection against hybridisation. The successful candidate will produce population genomic data for various species pairs of Bryophytes and develop an inferential framework to estimate introgression rates between hybridizing species.

Thesis #2: The relative lengths of the haploid and diploid phases can be appreciably different across different species with a gradient of sporophyte complexity observed from liverworts to mosses. With that global aim, the PhD project will investigate how ploidy affects the efficacy of adaptation and purifying selection within species in haplo-diplontic organisms. The successful candidate will produce population transcriptomic data for various species of Bryophytes to identify phase-biased genes and characterize their diversity patterns. An additional aim is to estimate the dominance coefficient of mutations in natural populations because this information is crucial to predict evolutionary outcomes.

Profile: The candidate must hold an MSc degree and have a strong background in Evolutionary biology. The ideal candidate should be motivated, have good communication skills, and be willing to work independently as well as part of collaborative projects.

Prior experience in any of the following areas will be an advantage: i) population genetics, statistical inferences, coalescent theory. ii) genomics, transcriptomics, bioinformatics. iii) programming skills (e.g. R, Python, bash). iv) experience with high-performance computing (e.g. slurm).

How to apply: i) a motivation letter describing research interests, relevant experience and interest in the position (max. two pages). ii) a CV (including a list of publications, if any). iii) a copy of the master thesis, if possible. iv) copies of academic diplomas (BSc and MSc). v) names and email addresses of two referees.

All applications must be sent to Christelle Fraïsse (christelle.fraisse@univ-lille.fr) by email.

Christelle Fraïsse <christelle.fraisse@univ-lille.fr>

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LMU Munich BioinformaticsFireflyEvolution

Bioinformatics PhD Position in Gene Expression Evolution of Fireflies

This is a reminder for the position below with the deadline approaching by March 31.

I invite applications for one doctoral position in my research group at the GeoBio-Center of the Ludwig-Maximilians-Universität (LMU), München. The position is part of the DFG SPP “Genomic Basis of Evolutionary Innovations (GEvol)” (<https://g-evol.com>) which means that you will be part of a large network consisting of 17 projects with 1-2 doctoral students in each project. The topic of our project is gene expression evolution in fireflies (<https://g-evol.uni-muenster.de/projectpage/#AnkerFireflies>). You will be jointly supervised by Sebastian Höhna (<https://hoehnalab.github.io>) and Ana Catalán (<https://www.anacatalan-evolution.com/>). This is a research-only PhD position funded for 3 years (no classes and teaching required but possible). The starting date is flexible between 1st July 2023 and 1st January 2024. This project focuses on gene expression data analysis. Therefore, we strongly encourage evolutionary biologists with a keen interest in bioinformatics/statistics or bioinformaticians with a keen interest in evolutionary biology to apply.

A major part of the wide phenotypic diversity that we observe today can be explained by changes in gene expression. Changes in gene expression have been successfully linked to the variation of different trait types. One of the most extreme differences among species are sexually dimorphic traits, many of which can be linked to sex-biased gene expression. In fireflies, sexual dimorphism has evolved several times independently, which makes fireflies an excellent study system for repeated evolution. In this project we want to explore: Which are the selective pressures acting on gene expression divergence? Are the same genes differentiated for other sexually dimorphic species or does each species have their own set of sex-specific genes? We will try to address this question using RNA-seq of ~15 firefly species from ~6 genera (3 with extreme sexual dimorphism) and performing specific hypothesis tests within a statistical phylogenetic framework. These phylogenetic models will be newly developed within this project.

Your tasks will include:

- Performing bioinformatic analyses to assemble the sex- and tissue-specific gene expression dataset (e.g., Genome and transcriptome de-novo assemblies, population genetics, genome wide orthology assessment)
- Implementing our new approach (e.g., as an R package) for gene expression evolution
- Performing simulation studies (e.g., using available R packages)
- Leading and performing the statistical analysis of gene expression evolution
- Writing research articles
- Presenting your work at international conferences

Your required skills:

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

What we offer:

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

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

Any questions should be directed to Sebastian Höhna (hoehna@lmu.de) or Ana Catalán (catalan@bio.lmu.de). Applications, including a cover letter which states your motivation and research idea (1 page), current CV and names and contact details of two referees should be sent

to Sebastian Höhna by the deadline of 31 March 2023.

Sebastian Höhna <sebastian.hoehna@gmail.com>

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LMU Munich BioinformaticsGeneExpression

Bioinformatics PhD Position in Gene Expression Evolution of Fireflies

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performing specific hypothesis tests within a statistical phylogenetic framework. These phylogenetic models will be newly developed within this project.

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- Implementing our new approach (e.g., as an R package) for gene expression evolution
- Performing simulation studies (e.g., using available R packages)
- Leading and performing the statistical analysis of gene expression evolution
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- Good written and oral skills in English
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Applications, including a cover letter which states your motivation and research idea (1 page), current CV and names and contact details of two referees should be sent to Sebastian Höhna by the deadline of 31 March 2023.

Sebastian Höhna <sebastian.hoehna@gmail.com>

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MaxPlanck Cologne PlantGenomics

Ph.D. position

Fulgione Group

Max Planck Institute for Plant Breeding Research, Cologne, Germany

A PhD position in plant population genetics and genomics is available under the supervision of Dr. Andrea Fulgione. The project is on the population genomics consequences of the evolution of mating systems and reproductive strategies, using the perennial plant *Arabis alpina* as a model. The successful candidate will work on long-reads genome assemblies and use population genetics methods to study the evolution of transposable elements and structural variants. Further, in the group we have developed a large-scale collection of NGS whole-genome sequences, which can be used as an additional resource for this project.

Candidates should hold a MS degree (or equivalent), preferably in Evolutionary Biology, Quantitative Biology, Bioinformatics or Plant Sciences. Experience in assembling genomes, population genetics, bioinformatics, and/or plant sciences will be preferred. Curiosity and an interest in learning new topics is essential. We strive to increase the proportion of women in science, so qualified women are particularly encouraged to apply for this position.

Please send your application in English to Andrea Fulgione (E-Mail: fulgione@mpipz.mpg.de), using as subject: "Application for PhD position PRMS245". Include in the application your CV, a letter of motivation and research interests, relevant certificates (e.g., degree certificates) and the name, contact and affiliation of 2-3 referees. Please send your application documents until the 31th of March 2023. The position is available as soon as a fitting candidate is found.

Contact: Dr. Andrea Fulgione, Max Planck Institute for Plant Breeding Research (MPIPZ), Department of

Plant Developmental Biology , Cologne, Germany.

“Fulgione, Andrea” <fulgione@mpipz.mpg.de>

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Oxford EvolControlCropDisease

Fully funded PhD Position available in Department of Biology and Department of Statistics, University of Oxford

Title: Evolutionary modelling to design optimal genetic control methods for crop diseases

Supervisors: Prof Tim Barraclough (Department of Biology), Prof Alison Etheridge (Statistics), Dr Jennie Castle (Economics)

This position is fully funded for stipend and international fees

Pests and disease account for losses of 30% of plant crops worldwide. Losses would be greater still without existing control methods, which focus on resistant varieties and chemical pesticides. Current approaches are unsustainable, however. Pests evolve to overcome any new control within 5 years or so, leading to a continual ‘arms race’ with agriscience needing to develop new varieties and chemicals. Also, pesticides have off-target effects on other species, which leads to environmental deterioration and a reduction in the resilience and productivity of crop systems themselves. Policy makers recognise the need to reduce chemical inputs and limit the land area devoted to intensive agriculture, but we currently lack ways to do that without losing more crops to plant disease. We need to develop more specific control measures with fewer off-target effects and that are more robust and agile for counter-acting the evolution of resistance.

New genetic methods such as CRISPR-Cas, RNAi sprays and gene drive open up the possibility of precision methods of controlling crop pests and diseases. But which genes or sets of genes should we target? Should we target them simultaneously or sequentially? How will the organisms evolve in response to the selection imposed by a given genetic control programme? And how will these methods interact with other components of crop management? This project will use mathematical models of evolving populations to develop design principles for future genetic control methods. It will then calibrate

and evaluate their models against genome sequence data from evolutionary time-series of crop diseases. The work will combine mathematical models of gene network evolution in fluctuating environments, with whole-genome simulation studies tied to empirical datasets.

The project is suitable for a biologist with strong computing and quantitative skills, or for any quantitative scientist (e.g. mathematician, physicist, computer scientist) with interests in solving evolutionary biology and environmental problems. Training will be provided in modelling, computing, statistics, genomics and crop disease biology. The student will be co-supervised by Prof Tim Barraclough (Biology), Prof Alison Etheridge (Statistics).

The studentship is part of a project generating evolutionary time-series of crop pathogens and applying that knowledge to develop new control methods. Funded by Magdalen College’s Calleva Research Centre, the project forms an collaboration between Biology, Statistics and Economics at Oxford, and the National Institute for Agricultural Botany (NIAB) in Cambridge. A video describing the wider research programme is available here: https://www.youtube.com/watch?v=AsYv_aA4aVw Funding: The project is funded by the Calleva Centre for Evolution and Human Science at Magdalen College (<https://www.magd.ox.ac.uk/about-magdalen-college/research/calleva-research-centre/>) It covers full funding for either a home or international student, including all fees and a yearly stipend at UKRI rates in 2023-2024 of 17,668.

Eligibility: Home or international students. For full entry requirements and eligibility information, please see <https://www.ox.ac.uk/admissions/graduate/courses/dphil-biology> How to apply: The deadline for applications for this project entry is midday 14th April 2023. You can find the admissions portal and further information about eligibility and the DPhil in Biology Programme at <https://www.ox.ac.uk/admissions/graduate/courses/dphil-biology> The successful applicant will receive a place at Magdalen College. <https://www.magd.ox.ac.uk> Queries: Prof Tim Barraclough tim.barraclough@biology.ox.ac.uk

Timothy Barraclough <tim.barraclough@biology.ox.ac.uk>

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QueensU AvianEvolution

I have an opening for a Canadian graduate student (MSc or PhD) to study evolutionary and conservation genomics of birds. Several projects are possible; most involve Arctic seabirds, but some involve temperate land birds. Most have direct conservation or management applications. A solid theoretical foundation in evolutionary genetics is essential - do not apply if you do not have this. Preference will be given to candidates with prior experience with genomics/bioinformatics. All projects involve field work, often on remote islands, and so prior field experience is an asset, ideally with birds or marine animals. The successful applicant will join a dynamic group of faculty and students studying ecology and evolution at Queen's University (see <https://www.friesenlab.ca/> and <https://biology.queensu.ca/>). Please send a resume or curriculum vitae, informal transcript, and contact information for two academic references to Dr. Vicki Friesen (vlf@queensu.ca). Deadline for inquiries: 30 April 2023, but please apply as soon as possible. Black and Indigenous students, People of Colour, and members of the LGBTQ2+ communities are especially encouraged to apply and will be eligible for extra support.

Dr. Vicki Friesen, Professor

Department of Biology, 4443 Biosciences, 116 Barrie Street, Queen's University, Kingston, ON K7L 3N6, Canada Tel: 613-533-6156 Fax: 613-533-6617 Email: vlf@queensu.ca

Vicki Friesen <vlf@queensu.ca>

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Switzerland Two AvianEvolution

Two PhD student positions in Avian Evolutionary Physiology and Conservation Biology (80 - 100%)

Starting date of 1st of June 2023 or by agreement.

For these PhD projects we are seeking students who are independent, creative and highly motivated, with an interest in animal physiology, evolutionary biology

and conservation biology. Our ideal candidates have previous experience working in a wet lab, like working in a team, have excellent written and oral communication skills in English, and are not afraid of statistics and field work. Experience with statistics in R (e.g. animal models, meta-analysis) and with field work (preferentially with birds) is not essential but is a welcome addition; the willingness to learn such techniques is, however, crucial.

Mitochondria are organelles found in almost all tissues that power the majority of biological processes such as growth and reproduction. Mitochondria are therefore expected to play a key role in the success of animals in the wild. This area of study remains however largely unexplored due to the methodological and ethical difficulties associated with establishing minimally intrusive measurements of mitochondrial traits in wild birds.

By using innovative approaches to measure mitochondrial traits in avian blood samples, the PhD projects aim at (i) providing new basic research knowledge on the sources of variation (genetics vs environment) in mitochondrial traits and their fitness consequences in wild birds; (ii) understanding how pollutants can disrupt mitochondrial traits and affect fitness birds in the wild and develop in vitro tools to screen for effects of pollutants in birds. This research program will generate new knowledge on selection and evolvability of mitochondrial traits and help developing conservation biology tools to study the consequences of pollutants on the health and success of wild birds.

WHAT WE OFFER The PhD students will be hosted at the Swiss Ornithological Institute in the newly created research unit Anthropogenic Effects headed by Dr Pierre Bize. The projects will involve international collaborations with Prof Julien Martin, Uni Ottawa, Dr Antoine Stier, CNRS Strasbourg, and Dr Blandine Doligez, CNRS Lyon. The Swiss Ornithological Institute in Sempach is a non-profit foundation supported by the public and focuses on a wide range of research topics on wild birds within and beyond Switzerland. We aim at acquiring the scientific basis for a deeper understanding of biological systems and for the conservation of birds and their habitats. Each position is fully funded and offered for 4 years. Salary is according to the regulations of the Swiss Ornithological Institute. The place of work is Sempach, Switzerland.

APPLICATION AND CONTACT The Swiss Ornithological Institute is committed to promoting diversity and looks forward to receiving applications from as many qualified individuals as possible. For more details on the position, please contact Pierre Bize, Head of the unit Anthropogenic Effects team. We look forward to receiving your application by latest 16 April 2023.

Please upload your application documents in following order (cover letter with statement of motivation, CV, list of publications, academic transcripts and copies of diplomas, contact details of 3 references) and in a single PDF file to <https://my.jobalino.ch/de/jobpreview/4764>. Job interviews for invited applicants are planned for the 26th and 27th April 2023

Pierre Bize <pierre.bize@vogelwarte.ch>

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

Switzerland UrbanEvolution

The Conservation Biology Research Group at the Swiss Federal Research Institute is looking for a:

PhD student in Urban Ecology 100% (m/f/d) for mid-2023 (not later than July 1, 2023)

We aim to investigate “people-plant-insects” interaction networks and their main socio-ecological drivers in different cities in Switzerland. The study is part of a larger interdisciplinary project (PAPPUS) that aims to understand how decision makers influence plant assemblages in different urban green spaces and how their decisions affect the ecological and human benefits that can be realized from urban green spaces in a changing climate.

If you are interested, apply using <https://apply.refline.ch/273855/1420/pub/8/index.html>

Marco Moretti, PhD/Senior Scientist Swiss Federal Research Institute WSL Birmensdorf, CH (office MG D47) Mobile: +41-79-237 0713 <https://www.wsl.ch/en/mitarbeitende/moretti.html> Marco Moretti <marco.moretti@wsl.ch>

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TelAvivU ClimateAdaptation

How do parasites cope with extreme climate?

MSc and PhD positions in Evolutionary ecology.

The positions are available in the research group of Prof. Frida Ben-Ami, from Tel Aviv University, Israel

(www.ben-ami.com), starting October 2023.

The research focuses on understanding the consequences of global warming and extreme weather conditions on the spread of diseases and the ecological significance of these changes. The work will be carried out using the model system *Daphnia*-microparasites (bacteria and microsporidia).

The successful candidates will use a combination of experimental evolution, field approaches and molecular work to generate new and refined predictions regarding the virulence of parasites that spread into new habitats.

Requirements

- Creative thinking
- BSc/MSc degree in biology
- Background in evolutionary biology or ecology - an advantage
- Analytical skills and good knowledge in statistics
- Communication and writing skills in English
- Good work ethics

Please send your application by email (all material in one PDF) to Frida Ben-Ami (frida@tauex.tau.ac.il). Applications should include a CV, a list of publications and a statement about research interests (motivation letter). Please provide names and email addresses of two persons who are willing to write a letter of recommendation. Application deadline is April 30, 2023.

Prof. Frida Ben-Ami | Life Sciences |

www.ben-ami.com Frida Ben-Ami
<frida@tauex.tau.ac.il>

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TennesseeTechU PlantClimateAdaptation

Deadline to express interest for Fall

to hkinmonth@tntech.edu: 4-20-2023. Application deadlines: 6-1-2023, and 7-1-2023.

Description: Masters or PhD training opportunities in the Kinmonth lab at TN Technological University in the area of Plant Ecology, Plant Ecophysiology, Molecular Biology, or Modeling of Biological Systems to any undergraduate students who are graduating this Spring

or next Fall. Of particular note, is the opportunity for students interested in working with rural, Appalachian or Cherokee communities; however, there are multiple opportunities. Funding through Teaching Assistantship is available, with potential for research training fellowships.

Projects of need:

NRT-NSF project at the nexus of food, energy, and water in rural, Appalachian, or Cherokee communities. Specifics to be identified by student in collaboration with advisor and others. More info about opportunity here (<https://www.tnitech.edu/graduatestudies/-nrt-nsffellowship.php>). Any rural community could be considered. Interactive effect of elevated atmospheric carbon dioxide and temperature on flowering times in Arabidopsis genetic variants (molecular, physiological and/or modeling components).

Modeling the intersection between molecular-flowering-time control pathways and environment, to predict future adaptive success of genetically-distinct coastal Eelgrass communities (a keystone species). Previous modeling experience not required - just eagerness and demonstrated ability to learn! (This project pending external grant acceptance).

Possibility of additional projects depending on interest.

Dr. Kinmonth uses an interdisciplinary approach to study complex plant-environment interactions, including molecular biology, physiological ecology, and mathematical modeling. She is very willing to train students that show an eagerness and ability to learn new skills.

Tennessee Technological University is an intermediate-sized university, that promotes strong connection between students and their advisors. TN Tech is located in Cookeville, TN which has a vibrant, growing downtown, lined with locally-owned businesses. Cookeville residents have easy access to the outdoors through several local state parks and natural areas, and quick access to metropolitan areas with Nashville, Knoxville, and Chattanooga being within 1.5 hrs driving.

Any questions, or to inquire, please reach out to Dr. Kinmonth, directly, athkinmonth@tnitech.edu. Summer applications for Fall are due July 1st; Applications for the NRT-NSF fellowship are due June 1st. **Applications must be submitted in conjunction with Dr. Kinmonth, so please contact Dr. Kinmonth no later than April 20th 2023.** Interested applicants that include a CV and or resume and a statement of interest in these projects will receive priority. Communications will be reviewed upon receipt.

“Kinmonth-Schultz, Hannah” <hkinmonth@tnitech.edu>

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UBern MetacommunityDynamics or Microbiology

Three 100% funded PhD (3-4 years) or Postdoc (2+ years) positions are available in the establishing research group of Evolutionary Game Theory led by Professor Xiang-Yi Li Richter at the University of Bern, Switzerland. The positions are part of the Swiss National Science Foundation Starting Grants project “Integrating modeling and experiments to study species coexistence in metacommunities.”

The specific PhD or Postdoc projects will be developed individually and should focus on using a combination of theoretical and empirical approaches to study how coexistence between interacting microbial species/strains can be maintained in spatially heterogeneous and temporally changing metacommunities, such as in soils, fermented foods, and the human gut and skin microbiota.

We aim to answer the following central questions: 1. How do higher-order multi-species biological interactions play out in heterogeneous spatial networks? 2. How do the dispersal network topology and dispersal rate influence the likelihood of coexistence? 3. Does the evolution of traits in each species promote or impede coexistence? Is coexistence more likely when the interacting species coevolve?

One of the three projects will focus on the empirical side, involving experiments with microorganisms (e.g., phage and bacteria interacting on dispersal networks formed by fungal hyphae). The other two projects will be mainly theoretical, involving mathematical modeling, computer simulations, statistics and data analysis.

<Your profile> Candidates must be highly motivated, creative, and able to work independently and collaboratively. Applicants from diverse scientific backgrounds (e.g., physics, mathematics, computer sciences, and biology) are encouraged. In their motivation letters, applicants from outside biology should state why they are interested in the study of ecology and evolution, and applicants from biology should state why they are interested in collaborating with theoreticians. In addition, candidates should explain how their study and research experience links to the central questions of the research project, and why they are interested in studying them.

Candidates who intend to work on the empirical side need to have solid experimental skills to work in a microbiology lab. Candidates who intend to work on the theoretical side should have excellent mathematics and programming skills, and ideally, experience working on an HPC cluster.

Candidates need to have good written and spoken communication skills in English, which is the working language of our institute. For the PhD positions, a Master's degree is required. For the Postdoc positions, a PhD degree is required. The positions are open to applicants worldwide. We are committed to increasing diversity, equity, and inclusiveness in evolutionary biology and especially encourage applicants from underrepresented groups.

The desired starting dates are negotiable but ideally between September and December 2023.

<We offer> The gross salary is around 48K CHF per year for PhD students and 80K CHF per year for postdocs. We offer a stimulating research environment with access to high performance computation facilities, funding for presenting studies at international conferences at least once a year, and unlimited funding for publishing peer-reviewed articles in open access journals. The city of Bern is ideally located in the middle of Switzerland and Europe, and provides rich cultural and outdoor activities.

<Contact and application> For informal inquiries regarding the position and for submitting your application, please send an email to Prof. Xiang-Yi Li Richter at "xiangyi.li.richter@unibe.ch". The review of applications will start on March 1st, 2023 until the positions are filled. Applicants must submit one merged PDF file that includes a letter of motivation (max 2 pages), a CV, and names of two referees who have agreed to provide a letter of recommendation if contacted, and copies of relevant publications and/or preprints. Incomplete applications will not be considered.

Xiang-Yi Li Richter (Dr. rer. nat.) Institute of Biology University of Neuchâtel Rue Emile-Argand 11 CH-2000 Neuchâtel Switzerland

I work flexibly and do not expect a response or action outside of your own working hours.

"xiangyi.li.richter@unibe.ch"
<xiangyi.li.richter@unibe.ch>

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UBritishColumbia FishGenetics

I am looking for a MSc student to join my research team at The University of British Columbia (Okanagan Campus) to take part in a study to develop and apply new genetic methods for population monitoring of multiple Pacific salmon species. The research will involve population genomics for SNP marker discovery and panel development. This opportunity recently emerged and I am hoping to find a highly motivated graduate student to join the project in September 2023. The project offers opportunities for both laboratory and field-based research, and direct collaboration with Provincial and Federal management agencies. Individuals with a population genetics background, bioinformatics experience and strong analytical skills are especially encouraged to apply.

Visit the Ecological and Conservation Genomics laboratory website (<https://blogs.ubc.ca/russellolab/>) for more information on our current research directions. Additional information about our Biology graduate program at UBC can be found at the following website: <http://biol.ok.ubc.ca/graduate/biology.html>. To apply, send me via e-mail (michael.russello@ubc.ca) a CV, unofficial transcripts, and contact information for at least two references.

Dr. Michael Russello Professor, Population and Conservation Genomics The University of British Columbia, Okanagan Campus Department of Biology 3247 University Way, FIP346 Kelowna, BC Canada V1V 1V7 michael.russello@ubc.ca

"Russello, Michael" <michael.russello@ubc.ca>

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UCologne Two EvoDevo

Please see the announcement of two PhD positions in the Roth lab:

<https://jobportal.uni-koeln.de/ausschreibung/-renderFile/1199?propertyName=flyer>

Thanks,
Siegfried Roth Prof. Dr. Siegfried Roth University of

Cologne Institute for Zoology Biocenter Zülpicher Straße 47b D-50674 Cologne Germany Tel: +49 221 470 2491 Fax: +49 221 470 5164 <http://www.zoologie.uni-koeln.de/15922.html> Siegfried Roth <siegfried.roth@uni-koeln.de>

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UGroningen MicrobialEcologyEvolution

We are looking for a quantitative eco-evolutionary microbiologist for a fully funded 4-year PhD position. The PhD candidate for this project will be jointly supervised by Prof. Rampal Etienne (Theoretical and Evolutionary Community Ecology) and Dr. Marjon de Vos (Experimental Microbial Ecology and Evolution), and Prof. Marnix Medema (Wageningen University, Bioinformatics).

The work will consist of a combination of microbial growth eco- evolutionary experiments, theoretical modeling, and bioinformatic sequence and data analysis. Specific requirements: MSc with specialization in microbiology, ecology or evolution, theoretical modelling, quantitative biology, skills in data management and analysis, and statistics.

The PhD position is part of the ENW-XL consortium project 'Urinary Tract Infections Revisited: Microbial Eco-evolutionary Drivers and Regulators' (UTIR). In this project a multi-disciplinary team of clinical microbiologists, infectious disease specialists, bioinformaticians, modelers, chemists, and eco-evolutionary microbiologists will combine in vivo measurements with in vitro reductionist bottom-up experiments to identify the evolutionary strategies of microbes, and investigate how and why an established urinary microbiome goes "off balance" into a disease state that leads to recurrent urinary tract infections.

Application deadline 21 April 2023. Preferred start date 1 September 2023.

More information and application: <https://www.rug.nl/about-ug/work-with-us/job-opportunities/?details=00347-02S0009Z1P&cat=phd> Marjon de Vos - Assistant Professor Faculty of Science and Engineering GELIFES Groningen Institute for Evolutionary Life Sciences Nijenborgh 7 9747 AG Groningen Nederland [microbecoevo](https://microbecoevo.wordpress.com/) <<https://microbecoevo.wordpress.com/>> |

university <https://www.rug.nl/research/gelifes/green/_de-vos/home>

"Vos,de,Marjon" <m.g.j.de.vos@rug.nl>

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ULille IntegrativeEvolutionarBiology

PhD position in integrative evolutionary biology (100% for 3 years)

Linking microevolutionary and macroevolutionary dynamics of differentiation and diversification in viviparid gastropods of the East African Rift System

Lille University, laboratory Evolution, Ecology, Paleontology (UMR 8198; <https://eep.univ-lille.fr/en/presentation-english/>), France under supervision of Bert Van Bocxlaer (bert.van-bocxlaer@univ-lille.fr) and Camille Roux (Camille.roux@univ-lille.fr)

Start date and duration: October 2023 for 3 years

Vacancy description: We are pleased to announce a fully funded PhD fellowship for a highly motivated, enthusiastic and independent person with a keen interest in integrative phylogenetics and population genetics studies of both extant and extinct biodiversity. In this project we will focus on comparative analyses of environmental, phenotypic and (for extant taxa only) molecular data to understand how differentiation occurs among populations and how such differentiation contributes to lineage divergence. Strong knowledge and competences in computational evolutionary biology are expected. Advanced knowledge in bioinformatics, paleobiology, morphometrics, ecological data analyses and freshwater gastropods are plus-points.

Project description: A main objective of modern evolutionary theory is to explain and predict changes in populations from one generation to the next, and how new species evolve. Largely independently, paleontologists have accrued a body of knowledge informed by patterns of organismal diversity in deep time, but with the limitations of the fossil record. How mechanisms causing differentiation between populations ultimately contribute to macroevolution remains a central question in evolutionary biology. In this project we will address this question by studying mechanisms of differentiation at various levels of biological organization in

light of ongoing environmental change using freshwater viviparids of the East African Rift System as emerging model system. These viviparids contain about 40 modern and 30 extinct species, and several small evolutionary radiations are currently ongoing in the East African Rift System. We will study patterns of diversification of African viviparids at a macroevolutionary scale, first using extant taxa only, and secondly integrating extinct fossil species. Furthermore, at smaller spatial scales, we will study how processes of population differentiation lead to speciation (see Van Bocxlaer et al. 2020). Methodologically, we will use a recently developed next-generation sequencing pipeline (Ortiz-Sepulveda et al. 2022) to obtain data on ~1700 genes and 1000s of ultraconserved elements to develop backbone phylogenomic and population genomic datasets. Morphological disparity will be documented with trait measurements and geometric morphometrics, whereas ecological data will be derived from metadata collected at sampling localities.

Setting: The PhD fellowship is funded by Lille University and data acquisition by ANR EVOLINK. This PhD project will be developed at UMR 8198 Evo-Eco-Paleo of the CNRS and Lille University in the context of an international collaborative network. Master students that are graduating in the academic year 2022-2023 are invited to apply. More information on studying at Lille University can be found on the Lille University webpage: <https://www.univ-lille.fr/home/international-student/>. Profile: - Master's degree in a relevant field (ecology, evolutionary biology, bioinformatics or equivalent) - Strong competences in phylogenetics, population genetics, morphometrics, statistical inferences - Eager to acquire new competences and knowledge - Fluent in English, good knowledge of French is a plus-point - Ability to work in an interdisciplinary and collaborative environment (interdependency, reliability, integrity) - Ability to write clear scientific reports and disseminate results - Have good non-academic attributes (e.g. maturity, open-mindedness, respectfulness)

How to apply: To apply for this position, please send your complete application file to Bert Van Bocxlaer and Camille Roux (email addresses indicated above) with as subject 'PhD in Integrative Evolutionary Biology' and your name. Applications are open until 21 April, but evaluations will start from the beginning of April. Late applications will be evaluated until the vacancy is filled by decision of the doctoral school. The application should contain the following information: a complete academic CV (with a list of publications if applicable); copies of academic diplomas (BSc and MSc), with the associated grades; a letter of motivation that briefly indicates research experience, interests for this position

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UMainz EvolutionPlantHerbivore

PhD position: Real-Time Evolution of Plant-Herbivore Interactions

University of Mainz, Institute of Organismic and Molecular Evolution

Supervisor: Jun-Prof Dr Meret Huber (<https://www.uni-muenster.de/Biologie.IBBP/aghuber>)

Starting date: 1.5.2023 or to be agreed upon

Background: One of the central paradigms in plant-herbivore interactions states that plants and their herbivores co-evolve. Yet, experimental evidence for this prediction is scarce. In this project, we aim to fill this knowledge gap by experimentally evolving duckweeds and one of its major native herbivores, the water lily aphid. By taking advantage of the rapid life cycles and the experimental manipulation possibilities in these species, we will observe and manipulate evolution in both interaction partners in real-time and thereby experimentally test a central hypothesis in plant-herbivore interactions.

We look for an enthusiastic and ambitious PhD student with strong interest in plant-herbivore interactions and evolution. The applicant should have a solid background in plant ecology or evolution and have interest in combining molecular tools with experimental evolution. Experience in plant-environment interactions is advantageous. The applicant must be fluent in English and hold a MSc degree in Biology or related fields.

We offer a stimulating and interdisciplinary research environment including state-of-the-art facilities in a dynamic research group that ensures extensive supervision. The candidate can join the graduate school GenEvo ("Gene Regulation in Evolution") and fully benefit from its tailored programme. Salary is provided initially for three years with 50% E13TV-L.

How to apply: Please send a single pdf containing i) a motivation letter (max. 2 pages), ii) detailed CV,

iii) copies of BSc and MSc degree, and iv) names and addresses of two referees to meret.huber@uni-mainz.de. The reviewing process will start immediately and continue until the position is filled.

The University of Mainz is an equal opportunity employer and is committed to increasing the proportion of female academics. Consequently, we actively encourage applications by women.

The University of Mainz is committed to employing more staff with disabilities. Candidates with recognized severe disabilities who have equivalent qualifications are given preference in hiring decisions, although some restrictions related to specific project-related tasks may apply.

For further information, please contact : Jun-Prof Dr Meret Huber Institute of Organismic and Molecular Evolution University of Mainz Johann-Joachim-Becher-Weg 7 D - 55128 Mainz Phone: 0049 (0)6131 3930260 meret.huber@uni-mainz.de

Meret Huber <meret.huber@uni-mainz.de>

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UmeaU Modelling Evolution

PhD position in modeling evolution at Umeå University

Overview: The Department of Mathematics and Mathematical Statistics at Umeå University has a fully-funded PhD position in computational science and engineering with a specialization in mathematics and a focus on modeling the evolution of developmental programs in early multicellular organisms. The position covers four years of third-cycle studies, including participation in research and third-cycle courses. The last day to apply is April 2, 2023.

Apply here: <https://umu.varbi.com/en/what:job/-jobID:593579/type:job/where:4/apply:1> Project description and tasks: The evolution of multicellular organisms has fundamentally shaped the biosphere by giving rise to complex forms of life that can operate across tremendous scales. Yet, not all forms of multicellularity are the same: some have hundreds of types of cells arranged in intricate body plans, while others are simple balls of undifferentiated cells. Though there may not be a single feature explaining such differences in complexity,

one striking candidate is the presence/absence of a developmental program. Developmental programs connect the function of cells or the expression of phenotypes to information and thus enable the construction of elaborate structures from a single template. The field of evolutionary developmental biology has revealed how changes to developmental programs can produce diverse types of multicellular life, but this requires the a priori existence of some type of development program. We do not know how such multicellular developmental programs originate, and tackling this problem is the purpose of this Swedish Research Council-funded PhD position. The PhD student will address this problem using a variety of mathematical modeling techniques, including systems of differential equations and evolutionary simulations. The proposed work will feature interdisciplinary projects as part of a collaborative team.

Qualifications: The PhD student will be admitted to third-cycle studies in computational science and engineering (CSE) with a specialization in mathematics.

To be admitted to studies at third-cycle level the applicant is required to have completed a second-cycle level degree or completed course requirements of at least 240 credits, of which at least 60 credits are at second-cycle level, or have an equivalent education from overseas or equivalent qualifications.

To fulfill the specific entry requirements to be admitted to studies at third-cycle level in CSE, the applicant is required to have completed at least 90 credits in computational science and engineering courses, of which at least 30 credits shall have been acquired at second-cycle level. CSE courses refer to courses with major quantitative, statistical or computing science elements, such as courses in computing science, mathematics and mathematical statistics. Applicants who, in some other system either within Sweden or abroad, have acquired largely equivalent skills are also eligible.

Candidates need to be highly skilled in both oral and written communication in English, and must be able to work independently as well as part of an interdisciplinary collaborative team.

Candidates also need to have proficiency in working with computers and programming, e.g. in Matlab, Python, Julia, C++, etc. A good background in mathematics, modeling, differential equations, computer science, and/or programming is qualifying. Interest in and knowledge of evolutionary biology, microbiology, and/or molecular biology are desirable but not necessary.

The PhD student is expected to play an active role in developing this doctoral project and in the department. In addition, the PhD student is expected to have a scien-

tific, structured, flexible, and result-oriented approach to their work.

The assessments of the applicants are based on their qualifications and their ability to benefit from the doctoral-level education they will receive.

About the employment The position is intended to result in a doctoral degree. The main task of the PhD student is to pursue their doctoral studies, including participation in research and doctoral courses. The duties can include teaching and other departmental work (up to a maximum of 20%). The employment is limited to the equivalent of four years of full-time (48 months) or up to five years for teaching part-time. Salary is set in accordance with the established salary levels for PhD position. The employment starts in the fall of 2023 or according to an agreement.

Application: You apply via our e-recruitment system Varbi. Log in and apply via the button at the bottom of the page. The deadline for applications is April 2, 2023. The application should include the following documents: - a personal letter with a brief description of qualifications,

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UNeuchatel SpeciationGenomicsButterflies

4-year 100% PhD position in speciation genomics of butterflies

Unravel the genomic architecture of temporal isolation in Alpine butterflies

The project: Zones of secondary contact between formerly isolated lineages allow to study how reproductive isolation evolves and co-existence is maintained. The role of temporal isolation through allochrony has especially remained elusive. We identified a unique system of parallel contact zones between strongly divergent sibling lineages of butterflies, where they occur in alternating years for at least the last five decades. This project aims to unravel the genomic architecture and evolutionary impact of temporal isolation in one of the most emblematic and diverse groups of Alpine butterflies - Erebia.

For this project, you will employ museomics and population genomics to study the genomic architecture of temporal isolation and conduct annual fieldwork in the Swiss Alps to extend your long-term dataset. Ideally you will rear the target species in the lab and conduct mate-choice experiments. The prospective candidate will join the group of Prof. Dr. Kay Lucek that is funded through a Swiss National Science Foundation (SNSF) Eccellenza fellowship and be part of the Biodiversity Genomics laboratory (www.biodiversity-genomics.ch) at the University of Neuchâtel in Switzerland.

Your profile: Enthusiastic, self-driven, responsible, and highly-motivated; excellent communication and interpersonal skills in verbal and written English; a strong work ethic. The ideal candidate brings strong conceptual thinking together with profound genomic and/or bioinformatic skills. Applicants should have a Master degree in evolutionary biology, genomics, museomics, ecology, or close related fields.

We offer you: A cutting-edge, four-year position fully funded by the SNSF, based at the Institute of Biology, University of Neuchâtel, Switzerland. The Institute offers a vibrant and interdisciplinary research environment, combining a broad spectrum of research activities in life sciences, including evolutionary genetics, conservation, ecology and microbial biology. Salary and social benefits are provided according to University of Neuchâtel rules. Neuchâtel is an enchanting historic Swiss city in the French speaking part, well connected and offering a broad range of cultural and recreational activities.

Starting date: The anticipated starting date is the 1st of May or June 2023, with some flexibility.

Application: Motivated applicants should submit (1) a one-page letter describing yourself, your career goals, and your match to the above-mentioned project, (2) a CV describing your education, publications, and relevant work experience, (3) copies of undergraduate and masters/diploma transcripts, and (4) contact information of two references. The application deadline is 22nd of March 2023. Please, send all the information in a single PDF to Kay Lucek (kay.lucek@unine.ch). Feel free to contact me for any questions concerning the project.

Kay Lucek <kay.lucek@unibas.ch>

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UTasmania Climate SocialBehaviour

Grad Student Position

The Behavioural and Evolutionary Ecology Research (BEER) Group at the University of Tasmania are looking for a PhD student. The project will focus on how climate mediates variation in social behaviour and the consequences of this for social evolution.

Climatic change is a major factor shaping natural populations. The scope of these effects has spawned significant research interest concerned with identifying the direct ways in which climate change will impact natural systems. However, there are also a myriad of indirect ways that broad-scale shifts in climate will impact biological systems. One major unexplored category of effects is on social behaviour. By mediating basic biological processes changes in climate should substantially influence how individuals interact with one another. This has the potential to alter social behaviour and, through this, the nature of social organisation itself. Despite this, the effect of climate change on social dynamics is poorly understood.

The PhD project will use a combination of observational, molecular, and comparative techniques to address this. It will leverage a group of Australian lizards for whom i) social interactions are mediated by climatic at the individual level and ii) these interactions influence selection on the social behaviours that influence social complexity at the population level. The project will leverage a unique data set on one species of *Egernia* that has tracked social dynamics for over 18 years. It will integrate climatic data at micro and macro scales to explore how variation in climate mediates social dynamics within and between years. It will then combine this with similar work on species across the *Egernia* group, allowing us to link climate mediate micro-evolutionary processes at the individual level with macro-evolutionary patterns of social diversification.

The successful candidate will be involved in the collection of data related to the maintenance and expansion of the long-term field study, the construction and analysis of a large pedigree dataset and the extraction of climatic data. Through this, the candidate will develop skills in critical thinking, project management, fieldwork, data analysis, writing and communication.

Links to project advertisements below:

<https://www.utas.edu.au/research/degrees/available-projects/projects/biological-sciences/does-climate-influence-social-behaviour> This project will remain open until filled. UTAS has two time points that it accepts applications. For candidates wishing to start in 2023 - the deadline is the 27th of March (as outlined in the advertisement). Second, for candidates wishing to start in 2024 - the deadline is 25th September. If selected, the candidate would need to go through a formal competitive application process in line the University of Tasmania scholarship procedures.

If you are interested in this (or a related) project, please contact Associate Professor Geoff While (gwhile@utas.edu.au) for more information. In your email please outline your motivation for joining the group and also include a CV. Please also outline which timeline you are interested in working towards.

This email is confidential, and is for the intended recipient only. Access, disclosure, copying, distribution, or reliance on any of it by anyone outside the intended recipient organisation is prohibited and may be a criminal offence. Please delete if obtained in error and email confirmation to the sender. The views expressed in this email are not necessarily the views of the University of Tasmania, unless clearly intended otherwise.

Geoff While <geoffrey.while@utas.edu.au>

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UTasmania GenomicSurveillance-SeabirdPathogens

March 27 is the next deadline for international and domestic applications to the PhD program at the University of Tasmania (Australia). We have an opening for a PhD student in the Marine Predator Lab (<http://mpredlab.org>) in the Institute for Marine and Antarctic Studies (<https://www.imas.utas.edu.au/>) to study genomic surveillance of pathogens in sub-Antarctic seabirds including penguins and albatross. Project description and funding details here: <https://www.utas.edu.au/research/degrees/available-projects/projects/marine-and-antarctic/southern-ocean-seabird-disease> Students with experience in molecular techniques and bioinformatics, plus an interest in wildlife health and seabirds, are encouraged to apply. If interested, please get in touch with your

CV and an outline of your research interests and we can discuss the opportunity.

Dr Jane Younger Lecturer in Southern Ocean Vertebrate Ecology Institute for Marine and Antarctic Studies (IMAS) University of Tasmania Jane.Younger@utas.edu.au

Jane Younger <jane.younger@utas.edu.au>

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UToulouse SETE EcoEvolutionaryDynamics

PhD Position in The Dynamics of Eco-evolutionary Systems

SETE, Moulis Station for Experimental and Theoretical Ecology, France, in association with the University of Toulouse, France Starting date: Oct.-Nov. 2023 Duration: 3 years, full time

Working place: Moulis, Supervision: Patrik Nosil and Alexis Chaine

Project short description: Evolutionary and ecological processes can affect one another. For example, evolutionary adaptation within species can affect population dynamics or species interactions in communities. This PhD is part of a larger research project funded by the European Research Council (Consolidator Grant to P. Nosil) and a TULIP Senior Package to investigate the community and ecosystem-level consequences of evolution within a stick-insect species (*Timema cristinae*). In particular, it is known that bird predators affect natural selection on stick-insect appearance (e.g., based on crypsis), with community-level consequences. Although the stick-insect and associated arthropod communities have been well-studied, little is known about the details of avian predation. The project will specifically test how foraging behavior of avian predators affect feedback loops between ecological and evolutionary processes. Fieldwork in California will be conducted each year in conjunction with targeted experiments in California and/or France. Key publications pertaining to the project are Farkas et al. 2013 *Current Biology* and Nosil et al. 2018 *Science*.

Requirements: The applicant should hold a Master's degree or equivalent in ecology or evolutionary biology. We are looking for a highly motivated student with a solid

conceptual and formal background in evolutionary biology, behavioral ecology, or (ideally) both. The position is highly ecological such that candidates with experience with fieldwork and birds are preferred. Excellent written, verbal, and interpersonal skills, a strong work ethic, and the ability to think creatively are desired. Key responsibilities will be identification and observation of birds and their foraging behavior, training and working with birds in aviaries, and placing the evolutionary work in the context of theory in behavioral ecology. This work will be integrated with genomic analyses led by other team members. The doctoral contract will be with the CNRS, with a monthly gross salary set by the CNRS.

Application documents; the applicants should submit:
-A one-page letter with a summary of previous research experience and professional motivation - Curriculum Vitae - Names and emails of two professional references
- An electronic copy of their previous works (master's thesis or other scientific publications).

The application should be sent as one single PDF file to patrik.nosil@cefe.cnrs.fr and alexis.chaine@sete.cnrs.fr Applications received before May 31 will be given full consideration. Interviews will be held as soon as possible afterwards.

Patrik Nosil <pnosilclimbing@gmail.com>

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

UZurich PlantAdaptation

PhD position in adaptation/experimental evolution in plants at the University of Zurich

A PhD position in my group at the Department of Systematic and Evolutionary Botany, University of Zürich, is available from 1st of May for a period of four years. The position is to study adaptation and real-time evolution of plants to different ecological parameters. In the project, local ecological conditions in populations of *Raphanus raphanistrum* in the field will be studied. Using experimental evolution, the adaptation to ecological parameters in the greenhouse will be studied in parallel.

I am looking for a highly motivated PhD candidate to join my team working on evolutionary question in the context of plant-insect interactions. Ideally, the candidate has expertise in any of the following tools: genomics analysis, field work with plants/insects, gas chromatography/HPLC analysis, and a thorough conceptual back-

ground in evolutionary biology. As a formal requirement, you should have a Master (or comparable) degree in any field of biology; proficiency in English, both orally and written, is also required. Prior experience in scientific publishing is an advantage. I offer a vibrant, collaborative work environment and high-quality supervision. Several of my past PhD students have published as first authors in the highest-ranking journals such as *Science*, *Nature Communications*, *New Phytologist*, *Functional Ecology*, etc.; many have consecutively attained PostDoc positions at renowned academic institutions.

Our department is located in the University Botanical Gardens and houses modern molecular and ecological labs, including greenhouses and climate chambers for plant cultivation. The University of Zürich has a broad research coverage of organismal and molecular biology, and several research groups work on evolutionary topics (www.lifescience-zurich.ch). The city of Zürich also offers excellent quality of life as well as an attractive surrounding for outdoor activities.

If you are interested in the job, please send me by e-mail (florian.schiestl@systbot.uzh.ch) a letter describing your motivation, CV, copy of degrees, publications (manuscripts), and e-mail addresses of two academic referees, by 1st of May 2023 (the job will remain open until filled). Please send all documents in a single file. If you have any further questions, don't hesitate to contact me.

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

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

UZurich PlantEvolutionaryBiology

PhD position or part-time post-doctoral position in plant evolutionary biology, University of Zurich. University of Zurich, Dept. of Systematic and Evolutionary Botany

RESEARCH PROJECT: Whether evolutionary trajectories leading to a particular function/morphology are predictable is a fundamental question of evolutionary biology. Yet, there is little consensus on this issue and experimental evidence is contentious. The phenomenon of convergent evolution, the repeated evolution of traits in independent lineages, provides an ideal framework to test for constraints on the trajectory of the evolutionary processes. Our project investigates the genetic

bases of parallel morphological evolution in a closely related group of moss species, the family Funariaceae. In mosses, the dominant haploid gametophyte phase (the leafy shoot) alternates with a diploid sporophyte (spore producing) phase. Fitting the classical example of parallel evolution, the reduced sporophyte phenotype has evolved multiple times independently in the Funariid mosses. The availability of information on the developmental biology of complex and reduced sporophyte phases, the simple structure of the sporophyte phase and the family's amenability for reverse genetic work makes it an ideal system to investigate the genetics basis of parallel evolution.

This project heavily relies on the vast amount of preliminary data produced during the last three years using comparative transcriptomic and genomic analyses on two species (*Physcomitrium* (*Physcomitrella*) *patens* and *Funaria hygrometrica*) representing the end points of sporophyte complexity in the Funariaceae family. The preliminary data encompassing chromosome-scale genome assemblies, comparative transcriptomics and established methods for reverse genetic manipulation already enabled us to identify candidate genes and jump start this project. We envision that the proposed research will contribute to the general understanding of the molecular processes underlying parallel evolution of morphological traits, a fundamental issue of evolutionary biology.

This project is funded by a Swiss National Science Foundation (SNSF) grant to Peter Szovenyi (<http://peterszovenyi.weebly.com/publications.html>) and will be carried out in collaboration with Bernard Goffinet (UConn) and Joan Coudert (University of Lyon). The Dept. of Systematic and Evolutionary Botany hosts research groups working on the evolutionary and ecological drivers of biodiversity, on the macroevolution of plants, on plant-insect interactions/pollination, on the evolution of mating systems, hybridization and speciation. The Dept. of Plant and Microbial Biology hosts many groups working on plant molecular and developmental biology, epigenetics, community genomics and plant adaptation. Both institutes are housed in the beautiful Botanical Gardens and host a diverse community of researchers in plant biology.

IDEAL CANDIDATES: Ideal candidates will have an MSc in biology with a specialization in evolution, developmental genetics and/or bioinformatics. This position involves expert level bioinformatic work including genome assembly (long-reads, Hi-C) and genome annotation. Furthermore, the project uses comparative transcriptomics (spatial transcriptomics) including gene regulatory network analyses in a phylogenetic context, and high throughput reverse genetic work. Therefore,

this position requires advanced skills in handling, analyzing and interpreting high-throughput next-generation sequencing and RNA-seq data. Good skills in assembling vectors, carrying out genetic transformations and microscopy are also required. In case not all these skills are covered, the willingness to quickly acquire them is necessary. The student will closely work together with the postdoctoral fellow on this grant. Students should be willing to work both in the wet lab and in the office doing computational work. The position (if PhD) for four years. Selected candidates will be enrolled in one of the two affiliated PHD schools in evolution or plant sciences.

CLOSING DATE: The position is opened until filled, but all application material including CV, a summary of research experience, a letter of motivation, copies of relevant publications (published or submitted) and names and contact information of three reference persons should be received by 6th April 2023 to ensure full consideration. The position will start at the earliest possible date, but it is negotiable (at the latest in June-July 2023). Candidates should indicate in a cover letter when they could take up the position and whether they are applying for a phd or postdoc position.

Please send all application material with the following subject line "PhD_sporophyte_evol" to: Peter Szovenyi, peter.szovenyi@uzh.ch, as a single pdf document. For enquiries, please contact Peter Szovenyi (peter.szovenyi@uzh.ch).

PD Peter Szovenyi



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ViennaU Two PollinationBiol FossilFlowers

PhD position on Pollination Biology and 3D-pollination syndromes in *Aquilegia* (Ranunculaceae)

Reference no of advertisement: 13934

A PhD position (University Assistant/Praedoc) funded by the Faculty of Life Sciences is available in the Department of Botany and Biodiversity Research, University of Vienna.

Duration of employment is 3 years (with the option for a 4th year).

Description: The employment is for 3 years (initially limited to 1.5 years with an automatic extension to a total of 3 years unless the employer submits a non-extension declaration no later than 12 months after the start of the employment). Upon a positive evaluation of the work progress, there is an option for a 4th year of employment. - To a limited extent, the successful candidate will also be involved in administration and teaching. - We are looking forward to receiving your application including a two-page application letter describing your motivation for applying for this position and a CV (including, if applicable, a list of scientific publications and presentations). Please submit your application via the website of the Job Center at the University of Vienna (<http://jobcenter.univie.ac.at>; email: jobcenter@univie.ac.at); no later than April 6, 2023 and labeled with the above reference no. In addition, please provide names and contact information of two potential referees. For further information please contact the supervisors of this PhD project: Jürg Schönenberger (juerg.schoenenberger@univie.ac.at, +43-1-4277-54080) and Marion Chartier (marion.chartier@univie.ac.at, +43-1-4277 540 87).

Duration of employment: 3 years (with the option for a 4th year) **Extent of Employment:** 30 hours/week **Job grading** in accordance with collective bargaining agreement: ç48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

Project Description: This PhD-thesis will be embedded in an on-going project that aims to study floral development, floral diversity, and pollination biology in the genus *Aquilegia* (columbines) in the Ranunculaceae. Flowers of the different *Aquilegia* species are generally referred to one of three classical pollination syndromes that are associated with primary pollination either by nectar-collecting bumble bees, hummingbirds, or hawkmoths. The PhD-candidate will conduct field-work on the breeding system and pollination ecology of at least two European species (bee syndrome) and will use tomography-based, 3D geometric morphometrics of floral structure across a larger set of *Aquilegia* species with different pollination syndromes. The project offers the opportunity to learn and work with a series of field and lab-based methods including High Resolution X-Ray Computed Tomography and Scanning Electron Microscopy. – The main place of work will be in the Division of Structural and Functional Botany (<https://sfb.univie.ac.at/en/>), which is part of the Department of Botany and Biodiversity Research. The division's research covers a wide range of topics, from the evo-

lution of flowers and flowering plant systematics, over plant-animal interactions to paleobotany and palynology. In addition, the department houses various botanical, ecological, and zoological research groups as well as an herbarium and a botanical garden. Altogether, the department offers a stimulating working environment and excellent research facilities including state-of-the-art laboratories for morphological as well as for molecular work. The PhD-candidate will be part of the University's recently founded Vienna Doctoral School of Ecology and Evolution (<https://vds-ecology-evolution.univie.ac.at/>).

Expected Profile: - A Diploma or MSc degree in biology, ideally with a specialization in botany or ecology. - Experience either in pollination biology, floral morphology, and/or geometric morphometrics. - Excellent knowledge of English in speaking and writing.

Applications including a letter of motivation (German or English) should be submitted via the Job Center to the University of Vienna (<http://jobcenter.univie.ac.at>) no later than 06.04.2023, mentioning reference number

13934.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (<http://diversity.univie.ac.at/>). The University lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants. Human Resources and Gender Equality of the University of Vienna

Reference number: 13934 E-Mail: jobcenter@univie.ac.at

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The University of Vienna (20 faculties and centres, 184 fields of study,

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ChapmanU California TeachingEvolution

Job Title Instructional Assistant Professor of Biological Sciences, Non Tenure Track, August 2023.

General Information Schmid College of Science and Technology at Chapman University seeks applicants for a non-tenure track, full-time position of Instructional Assistant Professor of Biological Sciences, effective August 2023.

Chapman University is a nationally-ranked institution offering traditional undergraduate and graduate programs in the heart of Orange County, one of Southern California's most diverse and vibrant regions. The University achieved R2 status in the Carnegie Classification of Institutions of Higher Education, a distinction held by just 10 percent of all U.S. universities and is ranked as #121 among Best National Universities by US News and World Report (2022-2023). Our faculty include academic leaders who excel in research, publishing and world-class teaching in our 11 schools and colleges, including Schmid College of Science and Technology. Dedicated to forward-looking, personalized education, we create an environment for unlimited achievement by both our students and faculty. Schmid College of Science and Technology (SCST) embodies Chapman's mission of providing students with personalized educational experiences by fostering an outstanding community of teacher-scholars across a broad range of undergraduate and graduate programs. Schmid College has a 140,000 sq ft home, the Keck Center for Science and Engineering, alongside the newly founded Dale E. and Sarah Ann Fowler School of Engineering. More information about the Schmid College of Science and Technology is available at <https://www.chapman.edu/science>. The Biological Sciences program prides itself on personalized education, small class sizes, innovative curriculum and teaching methods, and direct student-faculty mentorship. Instructional faculty play a critical role in the program for teaching, pedagogy, advising, and service, have the opportunity for promotion to associate and full instructional professor, and have full voting power at both the program and college levels. Instructional faculty join a vibrant and growing teaching community integrated with strong research programs that benefit from close collaboration with several internationally recognized research institutes at Chapman.

The University is dedicated to enhancing diversity and inclusion in all aspects of recruitment and employment.

More information on diversity and inclusion at Chapman University is available at <https://www.chapman.edu/diversity>. Qualifications Required - A Ph.D. in Biology, Biology Education, or a related field.

Preferred - Broad training in biological sciences with expertise in Molecular Biology, Cell Biology, Ecology or Evolution. - Experience teaching undergraduate biology lecture and lab courses using evidence-based instructional approaches, building student community, and assisting with student outreach. - Excellent organizational, interpersonal, and communication skills.

Responsibilities The successful candidate will teach undergraduate biology lecture and lab courses within their area of expertise, which may include Introductory Biology, Molecular Biology, Ecology, Cell Biology, or the Senior Biology Capstone course. These courses are enrolled by majors in biological sciences, health sciences, biochemistry, and chemistry. The successful candidate will be an active participant in program activities and engage with the vibrant community of biological sciences faculty and students.

Contact Information Qualified candidates should submit the following electronically via AcademicJobsOnline.org c/o <https://academicjobsonline.org/ajo/jobs/24218> - Chapman University Faculty Employment Application - Cover letter that clearly articulates how the candidate envisions contributing to the educational and diversity equity, & inclusion (DEI) missions of Schmid College and Chapman University - Curriculum vitae - Diversity, equity, and inclusion (DEI) statement. No more than 1 page - Teaching philosophy statement. No more than 2 pages. - Three reference on 1 page. Two or more letters of recommendation required for semi-finalists.

Inquiries may be directed to Dr. Douglas Fudge, Search Chair at fudge@chapman.edu. Please use "Instructional Assistant Professor of Biology" as the email subject line.

Application review will start on March 27th, 2023 and will continue until the position is filled. Successful completion of a background check is required for the final candidate. This position is subject to final budget approval. Benefits start the first day of the month following the start of employment. The salary for this Instructional Assistant Professor position is \$75,000-\$80,000. Download a copy of the Chapman Faculty Application for Employment here

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CPG Stockholm LabTech AncientDNA

We are seeking a laboratory assistant to support the research groups at the Centre for Palaeogenetics in Stockholm (<https://palaeogenetics.com>). This is a full-time indefinite-term position with a six-month trial period. The work will support a broad variety of research projects, including palaeogenetic analyses of how arriving humans interacted with local fauna, pathogens in ancient humans, and analyses of extremely old DNA from both sediments and animal remains. The Department of Archaeology and Classical Studies will be the employing department.

Application deadline: 31 March 2023

More information and link to application system: <https://www.su.se/english/about-the-university/work-at-su/available-jobs?rmpage=-job&rmjob=20377&rmlang=UK> Love Dali; $\frac{1}{2}n$ <love.dalen@zoologi.su.se>

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FishStation Idaho GenomicsResearcher

Genomics Researcher <https://critfc.org/jobs/genomics-researcher-2/> Pay \$51,068-\$71,092 Department Fishery Science Location Hagerman, ID

Recruitment Period Application review begins on 4/21/23 and will continue until position is filled. Applicants are encouraged to apply early.

We seek a Genomics Researcher with experience in population genomics and bioinformatics and an in-depth knowledge of current molecular genomics techniques. This position is located with the genetics group at the Hagerman Fish Culture Experiment Station in Hagerman, ID. This research group tests conservation, evolution, and ecological theories related to salmonids and other fishes in support of CRITFC's fish restoration plan. The aim of this work is to assist with salmon

recovery in the Columbia River basin to ensure that the four CRITFC member tribes (Nez Perce, Umatilla, Warm Springs, and Yakama) retain traditional salmon fisheries as they have through millennia. The Genomics Researcher will focus on generating empirical genetics/genomics data to address questions related to conservation and recovery of steelhead, Chinook, sockeye, and coho salmon, white sturgeon, Pacific lamprey, and other fishes of the Columbia River Basin. Core duties include lab work, bioinformatics support on genomics projects, processing sequencing data with existing pipelines, and generation of genomic data from sequencing instruments. Occasional opportunities to lead projects may be assigned on an as needed basis. Please visit the link below for more details and application information. <https://critfc.org/jobs/genomics-researcher-2/> Shawn Narum <nars@critfc.org>

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HullU Two TeachingEcoEvoAI MedicineHealth

Teaching Fellow - Centre of Excellence for Data Science, Artificial Intelligence, and Modelling (DAIM)

<https://jobs.hull.ac.uk/Vacancy.aspx?ref=UOH-TA-0022> Reference: UOH-TA-0022 Campus: Hull Faculty/Area: Faculty of Science and Engineering Subject Group/Team: Data Science AI and Modelling Centre (DAIM) Salary: pounds 36,386 to pounds 51,805 per annum Appointment to be made at either band 7/band 8 Post Type: Full Time Closing Date: Sunday 02 April 2023

We are recruiting Biologists studying Ecology, Evolution and Genetics using Data Science and AI approaches

We are significantly investing and contributing to the AI world of today and tomorrow - and this investment brings a fantastic opportunity for seven Teaching Fellows to join us at the Centre of Excellence on a permanent basis.

The ideal candidates will have excellent communication and personal supervision skills and be able to engage, motivate and support students. They will be expected to make significant contributions to supporting the academic progress of students, to support teaching, and to deliver a positive impact on the student experience. Preference will be given to candidates who are able to

provide teaching support across a number of subject areas relevant to DAIM and who complement and enhance the overall disciplinary balance within DAIM.

Ultimately, we are an education institution - it's our bread and butter! Ideally you will hold a good degree, and a PhD or equivalent, with experience in teaching and research. However, we also recognise the value that significant and relevant work experience can bring to an individual's skill set, particularly, if you have experience in at least one aspect of Data Science, Artificial Intelligence, or Python programming.

Teaching Fellows will contribute to support of students in a pastoral role, undertake computer laboratory work, and will create and supervise student projects. They will contribute to the delivery and administration of assessment activities. The University of Hull embraces e-learning technologies, the post holders will be expected to fully engage with our virtual learning environment in addition to working with students in person.

We are delighted to be in a leading position during this latest industrial revolution, and to be able to recruit the future education, research, and business-interfacing leaders of tomorrow. We hope that you feel inspired to come and join us.

The role of Teaching Fellow is being advertised at band 7 and band 8. Please click below which role you wish to apply for. If you wish to be considered for more than one band, you will need to submit a separate online application form for each position.

To discuss this role informally please contact Dr Kevin Pimbblet (Director) at k.pimbblet@hull.ac.uk

<https://jobs.hull.ac.uk/Vacancy.aspx?ref=UOH-TA-0022>

Lecturer in the Centre of Excellence for Data Science, Artificial Intelligence, and Modelling (DAIM) - Medicine and Health

Reference: UOH-TA-0023 Campus: Hull Faculty/Area: Faculty of Science and Engineering Subject Group/Team: Data Science AI and Modelling Centre (DAIM) Salary: 36,386 to 51,805 per annum Post Type: Full Time Closing Date: Wednesday 05 April 2023

We are significantly investing and contributing to the AI world of today and tomorrow - and this investment brings a fantastic opportunity for a Lecturer to join us at the Centre of Excellence on a permanent basis. The ideal candidate will build our research and knowledge exchange strengths within DAIM, along with enhancing academic support and teaching provision for our students. After all, you'll be educating the next generation of data scientists and artificial intelligence practitioners,

responding to the increasing need in this field, and conducting high quality research which cuts across traditional disciplinary departmental and faculty boundaries.

We are looking for outstanding individuals with expertise in data science or systems biology as applied to large complex data sets with the life sciences, to support specialist areas within the Hull York Medical School. We are particularly interested in hearing from applicants who have an interest in Artificial Intelligence or Data Science coupled with qualifications and skills that suit the following specialist areas:

- Analysis of large 'omic data-sets, including single cell RNASeq, nanopore sequencing, hypernetwork analysis, transcriptomic and epigenomic modelling and RNA Velocity
- Interrogation of proteomic data sets and alignment to transcriptome
- Experience of metabolomic data and network modelling
- Leveraging artificial intelligence and machine learning in image analysis

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INRAE Montpellier JuniorProf Genomics

Dear all,

A position of junior professor chair INRAE is open for application in our team 'Evolutionary Genomics and Population Management', within the UMR AGAP Institute (Genetic Improvement and Adaptation of mediterranean and tropical Plants) in Montpellier (France) to work on genetics of interactions applied to agroecology.

Research missions and activities : The person recruited will develop research in the field of genomics of interactions to improve our understanding of the evolution of genetically diverse populations and the processes of adaptation to biotic and abiotic environments and, ultimately, contribute to the identification of new breeding targets in agroecological contexts.

Job characteristics: a 3-year contract(probationary period) followed by an assessment to award full tenure as a research director.

Conditions to apply: a PhD or equivalent

Calendar - Deadline for applications: April 21, 2023 (application to be submitted online) - Review of applications and pre-selections : May 9 to 26, 2023 - Final selections : June 14 to 28, 2023 - Starting date: September 1, 2023

More details on the call and application process can be found here: <https://jobs.inrae.fr/chaire/-chaire-professeur-junior-h-f/cpj23-bap-1> If you are interested in this position, please contact us at the following addresses: helene.freville@inrae.fr and joelle.ronfort@inrae.fr

Best regards, Helene Freville

– INRAE < <https://www.inrae.fr> > *Helene FREVILLE*
helene.freville@inrae.fr *Equipe Genomique Evolutive
 et Gestion des Populations * *UMR AGAP* < <https://umr-agap.cirad.fr/> > Tel. : +33 4 32 72 23 22

Batiment Arcad 10 rue Arthur Young 34090 Montpellier
www.inrae.fr < <https://www.inrae.fr> >

Helene Freville <helene.freville@inrae.fr>

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JohnInnesCentre UK ResAssist InsectEvolution

Research Assistant (Entomology) Salary: 20,650 - 25,025 per annum, pro-rata depending on qualifications and experience. Contract: Indefinite, part time Location: John Innes Centre, Norwich, UK. Closing date: 17 April 2023 Reference: 1004438

An exciting opportunity has arisen for a Research Assistant to join the Entomology and Insectary Platform team at the John Innes Centre.

About the John Innes Centre:

The John Innes Centre is an independent, international centre of excellence in plant and microbial sciences. We nurture a creative, curiosity-led approach to answering fundamental questions in bioscience, and translate that knowledge into societal benefits. Our strategic vision, Healthy Plants, Healthy People, Healthy Planet, sets out our ambitious long-term goals for the game changing impact of our science globally.

Our employees enjoy access to state-of-the-art technology and a diverse range of specialist training opportunities, including support for leadership and management.

Click here to find out more about working at the John Innes Centre.

About the Entomology and Insectary Team:

The John Innes Centre's Entomology and Insectary Platform is a unique and specialised service for supporting invertebrate-related studies. It is managed by a skilled team of entomologists with extensive experience in the husbandry of many different species of invertebrates, as well as in the design, undertaking and overseeing of a wide range of experiments. The Entomology and Insectary Platform not only support excellent research within the John Innes Centre, but also engage in national and international collaborations with academic and commercial partners.

The role:

This role involves working with the Entomology Team to assist with the day-to-day maintenance of invertebrate colonies for research purposes. This will involve performing the essential duties associated with maintaining an entomology facility to high standards of hygiene and strict operational procedures required for operating under a Defra licence, as well as assisting in the horticultural tasks associated with producing invertebrate food plants. Responsibilities will also include maintaining all equipment and materials in good condition, ensuring that consumables are adequately stocked, and keeping accurate records.

The ideal candidate:

You will have 5 GCSEs at grades A-C, it is desirable that the post holder will have A-levels or equivalent in Biology or a related subject.

You will have a keen interest in entomology and demonstrable knowledge of invertebrate biology and invertebrate rearing techniques. You will have experience in keeping colonies of terrestrial invertebrates, including the necessary horticultural activities to produce food for the invertebrates. While experience working in a research environment is not essential it will be highly appreciated, and previous experience of working in a support role and awareness of plant health and animal trade regulations will also be considered positively.

A high level of attention to detail, strong communication and organisational skills, and a commitment to maintaining the highest standards by developing and following standard operating procedures are essential. A strong interest in pursuing a long-term career as an entomologist supporting research projects will be highly valued.

Additional information:

Please note, this post does not meet UKVI requirements

to provide visa sponsorship.

We are an equal opportunities employer, actively supporting inclusivity and diversity. As a Disability Confident organisation, we guarantee to offer an interview to all disabled applicants who meet the essential criteria for this vacancy. We are proud to hold a prestigious Gold Athena SWAN award in recognition of our inclusive culture, commitment and good practices towards advancing of gender equality. We offer an exciting, stimulating, diverse research environment and actively promote a family friendly workplace. The Institute is also a member of Stonewall's Diversity Champions programme.

The John Innes Centre is a registered charity (No. 223852) grant-aided by the Biotechnology and Biological Sciences Research Council.

Naomi Baxter HR Advisor (Recruitment) Human Resources

NBI Partnership, Norwich Research Park, Colney, Norwich, NR4 7UH

Email: naomi.baxter@nbi.ac.uk— Tel: 01603 450462 or Ext 2462

The NBI Partnership Ltd provides non-scientific services to the John Innes Centre, The Sainsbury Laboratory, the Earlham Institute and the Quadram Institute Bioscience

“nbi recruitment (NBI)” <nbi.recruitment@nbi.ac.uk>

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LingnanU HongKong ConservationBiology

<https://lingnan.csod.com/ux/ats/careersite/4/home/-requisition/1865?c=lingnan> Lingnan University, a distinctive liberal arts institution in the Hong Kong Special Administrative Region, is committed to the provision of quality whole-person education by combining the best of Chinese and Western liberal arts traditions. It strives to pursue excellence in teaching, learning, scholarship and community engagement. With three academic Faculties and the School of Interdisciplinary Studies, it offers a wide range of undergraduate degree programmes in the areas of Arts, Business and Social Sciences, and the broad curriculum covers an array of general education, interdisciplinary and science courses. The School of Graduate Studies offers research and

taught postgraduate programmes up to doctoral level in various disciplines, and provides professional education for the wider society. Lingnan's liberal arts education is characterised by a broad-based interdisciplinary curriculum with specialised disciplinary studies; close student-staff relationship; a vibrant residential campus; ample global learning opportunities; active community engagement and multifarious workplace experience. Applications are now invited for the following post:

Assistant Professor Science Unit (Post Ref.: 23/81)

In August 2015, the University created a Science Unit (<https://www.ln.edu.hk/scienceunit>) to strengthen teaching, research, and service efforts in the area. We are looking for a productive, high-calibre scholar to broaden the scope and expertise of the Science Unit at the Assistant Professor level. An ideal candidate has experience demonstrating excellence in research and teaching in a liberal arts setting. The candidate should have interdisciplinary research interests that foster collaborations within the Science Unit and across campus, and be able to perform high-quality research in the absence of major laboratory equipment and resources. We are open to applicants from any science discipline that can foster links between the Science Unit and other departments on campus. We are looking for a colleague who relishes the challenge of joining a growing unit in a unique academic environment, so we will consider candidates from all fields of natural sciences.

The appointee will join the Science Unit (<http://www.ln.edu.hk/scienceunit>) in the School of Interdisciplinary Studies and will be expected to: (a) build on the existing strengths (Conservation Biology, Aquatic and Terrestrial Ecology), as while diversifying research and teaching foci, taxonomic coverage, and research techniques of the unit; (b) develop courses at the undergraduate and postgraduate levels using pedagogies appropriate for liberal arts education; (c) enhance links and collaborations with other universities, NGOs, and industries in Hong Kong and abroad; (d) contribute to the public outreach and knowledge transfer efforts of the Science Unit; (e) contribute to the university's efforts to ensure whole-person development of students of Lingnan University; and (f) undertake other duties as assigned by the University.

General Requirements Candidates should have (i) a PhD in a relevant natural science discipline, (ii) a strong publication record in peer-reviewed journals of good international standing, (iii) a track record in competitive grant applications in the relevant areas, (iv) the ability to contribute to the Science Unit's teaching, outreach, and knowledge-transfer efforts, and (v) excellent interpersonal and communication skills for developing

meaningful collaborations with students and colleagues in a liberal arts setting.

Lingnan University is fully committed to the pursuit of excellence in both research and teaching so appointee should demonstrate commitment to both research and teaching excellence. Strong competitive research grant records and international research collaboration are preferred. Short-listed candidates will be requested to provide a sample course syllabus in the relevant field before the interview.

Appointment The conditions of appointment will be competitive. Remuneration will be commensurate with qualifications and experience. Fringe benefits include annual leave, medical and dental benefits, mandatory provident fund, gratuity and incoming passage and baggage allowance for the eligible appointee.

Appointment will normally be made on an initial contract of three years, which, subject to review and mutual agreement, may normally lead to longer-term appointment with possibility of consideration for substantiation.

Application Procedure Please click “Apply Now” to submit your application. Applicants shall provide names and contact information of at least three referees to whom applicants’ consent has been given for their providing references.

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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>

Lyon Group Leaders In Evolution

Open call: Research Group Leaders at the interface of evolution, development and physiology

IGFL, Lyon, France Dear Brian,

We have an open call (no specific deadline, till all positions are filled) that is for interest to evolutionary biologists. Could you kindly help us spread the word to the community? The text of the call is pasted below.

Best wishes Abdou

The Institut de Génomique Fonctionnelle de Lyon (IGFL) is a unique scientific environment where teams address basic research questions at the interfaces of evolution, physiology and development, using functional

genomics, bioinformatics, genetics, imaging, and comparative approaches. The institute houses diverse conventional and emerging animal models, with a focus on integrative, organism-level research. The environment fosters rich intellectual exchanges and collaborations, supported by excellent facilities/services on campus. The IGFL is part of the vibrant research community of the Ecole Normale Supérieure (ENS) de Lyon encouraging interdisciplinary collaborations with neighboring institutes on campus. The institute is international and the working language is English.

We have openings for up to three independent group leader positions (junior or established). Talented scientists with research programs falling within the scientific scope of the Institute are encouraged to apply. We are seeking to increase the number of women team leaders and we strongly encourage applications from women scientists.

The institute will provide a financial package to establish each team (‘seed money’). Teams will also benefit from a fully equipped laboratory for up to 10 people and furnished office spaces. The IGFL will support the selected candidates to secure a research position in France and research funding. Candidates who already hold a position in France, both junior and established, are welcome to apply. Junior candidates should be eligible for start-up programs (ERC Starting Grant, ATIP-Avenir, or equivalent).

The institute is housed in a dedicated building situated on the ENS de Lyon campus in Gerland. It comprises approx. 100 members, including recipients of international and national distinctions. The Institute benefits from in-house or on-campus access to state-of-the-art core services, including high throughput sequencing technologies (including single cell and spatial transcriptomics), advanced microscopy facilities, X-ray microtomography and morphometrics, transgenic animal facilities, bioinformatics, mass spectrometry, proteomics and cell sorting and analysis. See <http://igfl.ens-lyon.fr/> and <http://www.sfr-biosciences.fr/> for details. Access to platforms is subsidized for IGFL teams and the institute also applies a policy of zero cost associated with using in-house equipment.

Applications should be in English and must include curriculum vitae, a short description of achievements and records of self-financing, a proposed research program of maximum 5 pages and contact details for 3 professional references.

Applications must be sent as a single PDF saved as `LASTNAME_IGFL_CALL.pdf` to groupleadercall.igfl@ens-lyon.fr. We will be happy to provide further information on the interview process

and selection criteria; enquiries can be sent to the same email address.

There is no fixed deadline for applications; the call will remain open until all the available positions are filled. Candidates will be evaluated in two waves per year, in the summer (applications received by early May) and winter (applications received by early November), with interviews held in Lyon in July and in January, respectively.

akhila <abderrahman.khila@ens-lyon.fr>

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MichiganStateU ResTech PlantEvolutionaryGenetics

The Josephs Lab in the Department of Plant Biology at Michigan State University is hiring a research technician. The technician will be involved in multiple projects in plant evolutionary genetics working with the species *Capsella bursa-pastoris* (Shepherd's Purse) and *Chamaecrista fasciculata* (Partridge Pea). Specific projects will depend on the technician's skills and interests, but could include greenhouse and growth chamber experiments to measure plant phenotypes, plant collection trips in the US, DNA extractions or other wet-lab benchwork, and/or bioinformatics. The technician will also be expected to participate in lab meetings, collaborate with other lab members, and be involved in presenting and writing up the results from their work. See more about what's going on in the lab at <http://josephslab.github.io>. Ideally, the candidate could start in June 2023 but there is some flexibility.

MSU is a fantastic place to work, with a favorable cost-of-living:salary ratio, and many other labs engaged in exciting population genetics, plant genomics, and evolutionary research. The Josephs lab is committed to increasing diversity in the scientific community and I strongly encourage applications from candidates from historically excluded groups.

Please see more details and apply at <https://careers.msu.edu/en-us/job/514360/research-technologist-i> and contact Emily Josephs (josep993@msu.edu) with any questions. Applications are due by April 11.

Emily Josephs Assistant Professor Dept of Plant Biology

Michigan State University josephslab.github.io

“Josephs, Emily” <josep993@msu.edu>

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MichiganStateU Two TeachingEvolutionaryBiology

The Biological Sciences (BioSci) Program at MSU is seeking two fixed-term faculty members to join the BioSci Program teaching team. The successful candidate for the first position will serve as curriculum coordinator and instructor for BS172, a large enrollment introductory population and organismal biology lab course designed for life-science majors. The successful candidate for the second position will serve as an instructor for introductory biology lecture and lab courses designed to actively engage life-science majors in three-dimensional learning and will work with teams of faculty to develop curriculum for these courses. For more information and to apply visit <https://careers.msu.edu> (curriculum coordinator job# 847550 < <https://careers.pageuppeople.com/782/cw/en-us/job/513991/instast-prof-fixed-term> >; instructor job# 848264 < <https://careers.pageuppeople.com/782/cw/en-us/job/513994/instast-prof-fixed-term> >). Questions regarding the position may be directed to Dr. Katie Krueger, BioSci Program Assistant Director and Chair of the Search Committee (krueg172@msu.edu).

“Wiser, Mike” <mwiser@msu.edu>

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Norwich UK GutMicrobiomeMetagenomics

Research Scientist (Metagenomics) Applications are invited for a Research Scientist to join the Laboratory of Dr Hildebrand in the Gut Microbes and Health programme at Quadram Institute Bioscience (QIB), based in Norwich, UK.

Background:

Join an ERC funded research project investigating the inheritance and evolution of human associated microbes. The project will be conducted in a multidisciplinary team at the Quadram & Earlham Institutes, UK, and combine newly established patient cohorts, concomitantly developed wetlab and bioinformatics protocols that enable a unique perspectives into the human gut microbiome (low abundant bacteria, microeukaryotes).

The role:

How do gut bacteria colonize their human hosts? How do they then persist for decades in the same host? And how many of the hundreds of gut bacterial species are inherited in families? To answer these and follow up questions, the group received an ERC Starter grant (<https://cordis.europa.eu/project/id/948219>). The aim for this post is to dissect the microbial genetics enabling human long-term colonization on a novel family centric cohort established in Norwich.

For this, high-resolution metagenomics will be used to track microbes - eukaryotic and prokaryotic - across individuals and in families, and determine genes under selection. This will include closely working with metagenomic bioinformatics (assembly, genome binning, gene predictions) and combining this with population genetics and/or network inference algorithms. Thus, exploring microbiomes at unprecedented resolution can resolve ecoevolutionary processes determining resilience and functional plasticity of our gut microbiomes. Long-term, this work will contribute to enabling personalized & data driven medicine and developing the next generation of human gut microbiome treatments.

The environment:

The Hildebrand group uses metagenomics to research the diversity, community interactions, and evolution of microbes in communities using custom software solutions. The group has a joint appointment between the Quadram Institute Bioscience and Earlham Institute to bridge data and life science, developing software such as LotuS2 and MATAFILER and pushing the limits of high-resolution metagenomics. The Norwich Research Park (NRP) UK, hosts 3,000 researchers and clinicians, 17,000 students, and over 115 companies. Norwich ranked in the top 10 for UK cities with a beautiful, historical town center and an active gastropub & coffee aficionado scene. <https://quadram.ac.uk/falk-hildebrand/> <https://falk.science>

The ideal candidate:

The applicant needs to hold a PhD (or equivalent) in biology, bioinformatics, molecular biology or a related discipline with a background and/or interest in at least one of the following subjects:

- Microbiomes & biodiversity - Metagenomics & patient cohorts - Ecology & evolution

The ideal candidate will have experience in either metagenomics, population genetics, human patient cohorts or comparative genomics (eukaryotic or prokaryotic).

Some exposure to statistics and programming languages (either R, python, Perl, C++, or equivalent) is expected. Specialized skills will be taught and developed through mentorship and collaborations.

Additional information:

Salary on appointment will be within the range 33,050 to 40,750 per annum depending on qualifications and experience. This is a full-time post for a contract of 24 months, potentially extensible for a further 12 months.

For further information and details of how to apply, please visit our website <https://jobs.quadram.ac.uk> or contact the Human Resources team on 01603 450814 or nbi.recruitment@nbi.ac.uk quoting reference 1004440.

Interviews will be held in early May 2023.

We are committed to equal opportunities and welcome applications from all sectors of society. The Institute supports equality of opportunity within the workplace and expects all employees to share and display these values. To support our commitment, we have a range of family, faith and diversity friendly working arrangements to help all staff achieve excellence in their area of work.

As a Disability Confident employer, we guarantee to offer an interview to all disabled applicants who meet the essential criteria for this vacancy.

About the Quadram Institute:

The Quadram Institute is a new interdisciplinary research institute dedicated to understanding how food and microbes interact to promote health and prevent disease. Its mission is to deliver healthier lives through innovation in gut health, microbiology and food. A partnership between Quadram Institute Bioscience, the University of East Anglia, the Norfolk and Norwich University Hospital and BBSRC, it brings together scientists and clinicians in a state-of-the-art building on

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OhioStateU JuniorResTech EvolutionaryBiology

Research Associate, Biology, Gross Lab

Current UC employees must apply internally via SuccessFactors <http://bit.ly/UCEMPL> Founded in 1819, the University of Cincinnati ranks among the nation's best urban public research universities. Home to more than 47,000 students, 10,500 faculty and staff and 330,000 alumni, UC combines a Top 35 research university with a physical setting The New York Times calls "the most ambitious campus design program in the country."

With the launch of Next Lives Here, the Cincinnati Innovation District, a \$100 million Jobs Ohio investment, eight straight years of record enrollment, worldwide leadership in cooperative education, a dynamic academic health center and entry into the Big 12 athletic conference, UC's momentum has never been stronger. UC's annual budget tops \$1.6 billion and its endowment totals \$1.9 billion.

Job Overview

The Gross Lab at the University of Cincinnati is seeking to hire a full-time Research Technician. Our lab examines the nature of organismal response to environmental pressures, using the Mexican tetra (*Astyanax mexicanus*). This is a full-time position, with the expectation of 40 hours/week. The initial appointment will have a 6-month probationary period, and then extended to one year based on performance. The position is renewable pending available funding. The successful candidate must be detail-oriented with excellent organization and communication skills.

Essential Functions

The successful candidate will primarily facilitate research activities for a National Science Foundation-funded project investigating craniofacial and sensory evolution. The primary responsibilities for this position including:

Wet Lab research activities as determined by the project needs (40%). Training other lab members in experimental tasks (30%). Animal husbandry and lab maintenance tasks (30%).

Required Education

Bachelor's Degree required in a related field.

Required Experience

In-depth knowledge of specialized field, process or discipline. May require experience with specialized software programs. At least 6 months experience with fish husbandry, routine molecular techniques and "dry lab" techniques (e.g., basic bioinformatic analyses).

Additional Qualifications Considered

Prior experience with fluorescence and light microscopy, cryosectioning, tissue culture and transplantation. Experience processing and analyzing RNA-sequencing and genome-wide sequencing projects. Experience with imaging and word processing software programs (MS Office Suite). Experience training and supervising undergraduate students. Experience with data analyses using statistical software.

Physical Requirements/Work Environment

Sitting - Continuously

Application Process

Please complete an online application and submit the following documents:

CV/Resumé. Contact information (phone number and email address) for up to three (3) references.

Compensation and Benefits UC offers a wide array of complementary and affordable benefit options, to meet the financial, educational, health, and wellness needs of you and your family. Eligibility varies by position and FTE.

Competitive salary range is \$38,000. Comprehensive insurance plans including medical, dental, vision, and prescription coverage. Flexible spending accounts and an award-winning employee wellness program, plus an employee assistance program. Financial security via our life and long-term disability insurance, accident and illness insurance, and retirement savings plans. Generous paid time off work options including vacation, sick leave, annual holidays, and winter season days in addition to paid parental leave. Tuition remission is available for employees and their eligible dependents. Enjoy discounts for on and off-campus activities and services.

The University of Cincinnati, as a multi-national and culturally diverse university, is committed to providing an inclusive, equitable and diverse place of learning and employment. As part of a complete job application you will be asked to include a Contribution to Diversity and Inclusion statement.

The University of Cincinnati is an Affirmative Action / Equal Opportunity Employer / Minority / Female / Disability / Veteran.

REQ:92423

Joshua Gross, Ph.D. Department of Biological Sciences
University of Cincinnati, 711B Rieveschl Hall 312 Col-
lege Drive Cincinnati, OH 45221

Email:joshua.gross@uc.edu Phone: 513-556-9708 Fax:
513-556-5299

“Gross, Josh (grossja)” <grossja@ucmail.uc.edu>

(to subscribe/unsubscribe the EvolDir send mail to gold-
ing@mcmaster.ca)

PennsylvaniaStateU 1yr TeachingEvolution

Visiting Assistant Teaching Professor of Biology

Penn State Behrend invites applications for a full-time, one-year sabbatical replacement, position in Biology to begin Fall 2023. This position will be at the rank of assistant teaching professor or lecturer (depending on qualifications.) Applicant should hold a Ph.D. in biology, genetics or other related field by the start date, ABD or MS considered. Responsibilities may include teaching upper-level genetics and evolution courses as well lower-level general education biology lecture and lab courses, and other courses in the biology curriculum as commensurate with degree and experience. Opportunities for scholarly activity; advising and mentoring students; and service to the school and college may be available. Faculty members are expected to promote and advance Penn State Behrend’s commitment to both teaching and scholarship, to the holistic development of students, and to principles of respect, diversity, and inclusiveness.

Penn State Behrend, is an undergraduate and graduate college of The Pennsylvania State University. Situated on a beautiful, wooded 854-acre hillside campus recognized as a U.S. arboretum, we have four academic schools (Business; Engineering; Humanities and Social Sciences; and Science); student residential living; a range of research programs and outreach centers; and a highly successful business and technology park. With 5,000 students in resident instruction and online in college programs offered through Penn State World Campus, we uniquely blend the atmosphere and focus on teaching of a small college with access to the academic, research, and professional development resources of a Big 10, R1 University. Our college is an open laboratory of learning

and discovery where students gain real-life experience engaging with business, industry, and community partners. We seek faculty members who share our commitment to both teaching and scholarship, to the holistic development of students, and to principles of respect, diversity, and inclusiveness.

The School of Science offers B.S. degrees in biology, chemistry, mathematics, mathematics education, nursing, physics, and environmental science. The school supports a growing, all-campus interest in research that addresses issues of women’s health (in partnership with the Magee Women’s Research Institute), Great Lakes ecosystem health and polymer engineering and science.

Erie, Pennsylvania is a metropolitan area of more than a quarter million people located on the southern shores of Lake Erie, two hours from Cleveland, Pittsburgh, and Buffalo. The area’s economy reflects a mix of educational, medical, industrial, tourism, and service activity; the region is home to five colleges and universities in the region, including Penn State Behrend. Northwestern Pennsylvania offers abundant cultural, sports, and recreational opportunities with four seasons of adventure. Summers feature miles of beaches, a range of lake sports, and festivals every weekend, and the winters are made for skiing, skating, and more. It’s easy to get around, housing is affordable, and the cost of living is modest. Erie offers relaxed, comfortable living.

The Pennsylvania State University is committed to and accountable for advancing diversity, equity, and inclusion in all its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity, and engage all individuals to help them thrive. We value inclusion as a core strength and an essential element of our public service mission.

All applicants must apply online and submit four documents (at time of application):

- Cover letter - Curriculum vitae including names and contact information for three references - Copies of graduate and undergraduate transcripts - One page teaching philosophy

Application materials received before March 27, 2023 will receive primary consideration. Position is open until filled.

Apply online at <https://apptrkr.com/3984913> CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also

provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Tyler Sheehan <tyler@jobelephant.com>

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PUC Chile Two Mathematical Computational Biologists

We are currently advertising two tenure-track positions in mathematical or computational biology at the P. Catholic University of Chile. While the profiles are very broad, I believe many young evolutionary biologists with a good theoretical background may find this opportunity appealing.

CALL FOR APPLICATIONS FOR TWO ACADEMIC POSITIONS FOR ASSISTANT OR ASSOCIATE PROFESSORS IN MATHEMATICAL BIOLOGY or COMPUTATIONAL BIOLOGY

The Faculty of Biological Sciences (FCB) at the Pontificia Universidad Católica de Chile invites interested candidates to apply for two tenure-track positions at the level of Assistant or Associate Professor. One of these positions will have a joint appointment with the Institute of Mathematics and Computational Engineering (IMC) being its primary affiliation. The applicants must demonstrate successful, independent and interdisciplinary research in Mathematical Biology, Computational Biology or related areas using mathematical tools and quantitative biology for modeling of biological systems and processes, analysis of dynamic systems, development of systems biology or the use of artificial intelligence in biology, among other areas. In addition, they will be expected to demonstrate their ability to teach undergraduate and graduate students in these areas, including the training of new scientists. Formal training in mathematics or computation is mandatory.

The Pontificia Universidad Católica de Chile usually ranks top three in the QS University Ranking for Latin

America. The Faculty of Biological Sciences has 70 Professors at different stages of their academic careers and 1,000 undergraduate and graduate students. The University is committed to the provision of equal opportunities, the construction of a more inclusive, diverse, and fraternal community, and the promotion and development of the careers of all academic members.

The University and the Faculty of Biological Sciences are committed to the values of diversity regarding the origin, gender, and ethnicity to build a more diverse and inclusive community. In this context, women applications are especially encouraged.

RESPONSIBILITIES ASSOCIATED TO THE ACADEMIC POSITIONS :

1. To lead independent and internationally recognized research in the areas of this call.
2. To establish collaborations with researchers from other areas of the FCB and IMC, or other academic units within the University aiming to develop interdisciplinary research.
3. To teach undergraduate and graduate students through leading lectures or laboratory courses, collaborating in course design, and acting as a student advisor in research courses and theses. Undergraduate teaching will be focused on the initial levels of training for undergraduate students from Biochemistry, Biology, Marine Biology, and undergraduates from other programs at the University (i.e., health sciences, education, college, among others). The joint appointment should be able to teach undergraduate and graduate students at the IMC. Enrolling in the teaching certificate from the Centro de Desarrollo Docente is mandatory for all new Faculty.
4. To train future scientists by advising or mentoring undergraduate or graduate research students.
5. To obtain external research funding.
6. To participate in academic and administrative activities within the University.
7. To develop outreach activities with an impact on society and the general public.

APPLICATION REQUIREMENTS:

1. Hold a PhD degree in the areas indicated above and postdoctoral experience is highly recommended.
2. Ability to carry out independent research and to obtain funding for research.
3. Demonstrate capacity to teach at undergraduate and graduate levels.
4. For those applying to the Associate Professor level teaching experience or holding a teaching certificate

need to be demonstrated.

SELECTION CRITERIA:

- Trajectory, leadership, and quality of scientific contributions.
- Experience in the proposed research area.
- Recommendation letters.
- Potential for academic progress and integration within the Faculty of Biological Sciences.
- Teaching experience
- In identical conditions, preference will be given to women scientists or applicants from underrepresented groups.

APPLICATION : 1. Fill the application form available in the following link:

[https://biologia.uc.cl/media/2023/-03/UC_Application-Form_2022-](https://biologia.uc.cl/media/2023/-03/UC_Application-Form_2022-23_MathBiol_CompBiol.docx)

[23_MathBiol_CompBiol.docx](#) 2. Have an academic profile in the Web of science or Google Scholar

3. Request three confidential letters of recommendation that should be sent directly to secretaria.academica@bio.puc.cl

4. Copy of the PhD degree.

AVAILABILITY: March 2024.

APPLICATION SUBMISSION: All information must be submitted to the Academic Secretary, Faculty of

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QueenMaryU London EvolutionaryGenetics

Lecturer in Computational Ecology/Evolutionary Genetics, (Teaching & Research)

Closing date: 27 March 2023 <https://www.qmul.ac.uk/-jobs/vacancies/items/8162.html> As the School of Biological & Behavioural Sciences continues to grow, we seek to appoint ambitious research-driven scientists at Lecturer level with a strong publication record as well as significant potential for funding in any area of Computational Ecology or Evolutionary Genetics involving innovative approaches taken from the Artificial Intelligence and data analytics toolbox.

The successful candidate will be involved in teaching on our MSc AI in the Biosciences and potentially other

undergraduate or postgraduate programmes (teaching loads are as to be expected within a research-led institution and normally reduced in the first two years following appointment) on subjects such as data analysis in biology, coding for biologists, machine learning and artificial intelligence in biology.

We understand those approaches have only relatively recently been applied to those disciplines, as such we are looking for someone with a vision for technical development and addressing key questions. We therefore encourage early careers researchers to apply.

Queen Mary University of London (QMUL) is a member of the Russell Group and one of the largest colleges in the University of London, is one of the UK's leading research-intensive institutions (7th for the quality of our research outputs in the 2021 Research Excellence Framework). We have made a strategic commitment to world-class research and teaching across all disciplines.

At QMUL, we believe that a diversity of ideas helps us achieve the previously unthinkable. Throughout our history, we have fostered social justice and improved lives through academic excellence and we continue to live and breathe this spirit today, not because its simply the right thing to do but for what it helps us achieve and the intellectual brilliance it delivers. We continue to embrace diversity of thought and opinion in everything we do, in the belief that when views collide, disciplines interact, and perspectives intersect, truly original thought takes form.

We offer competitive salaries, access to a generous pension scheme, 30 days leave per annum, a season ticket loan scheme, staff networks and access to a comprehensive range of personal and professional development opportunities. In addition, we offer a range of work life balance and family friendly, inclusive employment policies, flexible working arrangements, and campus facilities including an on-site nursery at the Mile End campus.

The post is full time, permanent and with an expected start date of July 2023 or as soon as possible thereafter. The salary will be in Grade 5-6, in the range of £44,931 - £55,805 per annum, inclusive of London Allowance.

Queen Marys commitment to our diverse and inclusive community is embedded in our appointments processes. Reasonable adjustments will be made at each stage of the recruitment process for any candidate with a disability. We are open to considering applications from candidates wishing to work flexibly.

Informal enquiries should be addressed to the Head of Biology: Prof Christophe Eizaguirre via: c.eizaguirre@qmul.ac.uk.

To apply for the role, please see <https://www.qmul.ac.uk/jobs/vacancies/items/8162.html>

The closing date is 27 March 2023. Interviews are expected to be held shortly thereafter.

The school is committed to Athena SWAN principles and the promotion of equality and diversity and holds a Silver Athena SWAN Award. Applications from women and under-represented (BAME) groups are particularly encouraged to apply.

< <https://ig24.i-grasp.com/fe/-tpl.QMUL01.asp?newms=rf&ID=QMUL31853> >

Matteo Fumagalli <m.fumagalli@qmul.ac.uk>

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RoslinInst Scotland PopulationBiology

Hi,

We are looking for a new colleague to join us in the HighlanderLab at The Roslin Institute. We focus on managing and improving populations using data science, genetics, and breeding. While our core remit is in quantitative genetics and animal breeding, we have active projects also in plant and insect species. We work on a range of theoretical aspects and their application in real populations; both in interaction with leading industry partners. Visit our website for more information: <https://www.ed.ac.uk/roslin/highlanderlab> This is a strategic position with an open-end contract - a core scientist position funded by the BBSRC. The post holder will work closely with me on:

- 1) their research,
- 2) teaching and supervising students and post-docs to deliver current projects,
- 3) developing new methods and ideas, and
- 4) securing funding.

This post is an excellent step towards an independent group leader, in-depth industry training, or a less stressful academic job. I have personally been a core scientist here at Roslin for several years - this was one of the best career decisions I have made to date;)

We are looking for candidates with PhD in quantitative

genetics, breeding, statistics, or related fields. Preference will be given to candidates with significant research and development experience in these fields. While our university admin is yet to process the post documentation, we are open to inquiries and expressions of interest (contact me at gregor.gorjanc@roslin.ed.ac.uk).

–
With regards!

University of Edinburgh Gregor Gorjanc, PhD The Roslin Institute Group leader & Royal Society Fellow Easter Bush @GregorGorjanc@twitter.com <<https://twitter.com/GregorGorjanc>> EH25 9RG @GregorGorjanc@fediscience.org <<https://fediscience.org/-@GregorGorjanc>> Scotland, UK www.ed.ac.uk/roslin-highlanderlab The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th' ann an Oilthigh Dh?n ?ideann, cl?raichte an Alba, ?ireamh cl?raidh SC005336.

Gregor Gorjanc <Gregor.Gorjanc@roslin.ed.ac.uk>

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SGN Frankfurt BiodiversityDataManager

The Senckenberg Society for Nature Research headquartered in Frankfurt Main, is seeking to fill a vacancy as from May 1st, for the central coordination office of the BMBF-Research Initiative for the Conservation of Biodiversity (FEa) at the Frankfurt site.

Biodiversity Data Manager (m/f/d) (full-time, part-time option available)

Your tasks include

Further development and technical implementation of a sustainable, coordinated and demand-oriented data management concept for the research initiative Implementation of the Research Data Management Plan (RDMP) for primary data, documents, and databases, with particular attention to FAIR principles and wide support for OpenData (FAIR+). Establishment and maintenance of a demand-oriented metadatabase for the data of the research initiative and visualization of the research data (research data atlas) Conception and implementation of the technical and scientific integration of the research initiative into (inter-)national research data initiatives

and data aggregators with special regard to the Global Biodiversity Information Facility (GBIF), the Service Infrastructure for (European) Environmental Research Infrastructures (ENVRI-FAIR) as well as the Society for the Curation of Biological Data (GFBio) Scientific, technical and organizational support regarding national and international biodiversity databases (e.g. GFBio, NFDI, IPBES etc.), for the collaborative and project partners of the research initiative in accordance with a sustainable biodiversity data management. Data mining in relevant biodiversity databases and preparation of inter- and transdisciplinary datasets for the planned synthesis workshops and synthesis publications. Ensuring broad and sustainable data availability during the project duration and after the end of the project.

Your profile

A university degree in life sciences, bioinformatics, environmental sciences or a similar field, or a degree with IT-relevant reference, data science or related disciplines. Relevant experience with databases (biodiversity and environmental data, and social science data) Research experience in interdisciplinary work environments Proven participation in topic-related scientific publications Good understanding of the technical structure, interoperability, and limitations of research data infrastructures, especially with regard to data processing, linking (e.g., through persistent identifiers such as DOIs, ORCIDs), and indexing. Knowledge of basic data standards for biodiversity data (e.g., Darwin Core/DwC, Access to Biological Collections Data/ABCD). Experience with the evaluation / analysis of ecological or biodiversity data and ideally with inter- and transdisciplinary project work Experience with relational databases (MariaDB, PostgreSQL) as well as database queries (SQL) Ideally, experience with Open Enterprise Search (SOLR, Elastic Search) Ideally, experience with Social Sciences or with Social Science Data Ideally, experience in interdisciplinary transfer Confident speaker of German and English, both written and spoken

We offer you

An attractive and challenging job in a globally renowned research institution A salary commensurate with the importance of the tasks and the requirements of the position Flexible working hours - support with childcare or caring for family members (certified by the "audit berufundfamilie") - Senckenberg badge in connection with free admission to many municipal museums - special annual payment according to the collective agreement - vacation entitlement according to the collective agreement - company pension plan

Location: Frankfurt am Main

Scope of employment: Full-time (40 hours/week), part-time option 80% (32 hours/week)

Type of contract: Limited until 31 January 2025; Subject to the extension of the project, an extension of the employment relationship will be sought.

Salary: According to the public collective agreement (TV-H) E 13

Senckenberg aims to increase the proportion of women. Qualified female candidates are therefore particularly encouraged to apply. Senckenberg is certified by the "audit berufundfamilie". Compliance with the guidelines for the severely disabled and the provisions of the law on part-time work is guaranteed.

You would like to apply? Then please send your complete and meaningful application documents (CV, training and work references, certificates and credentials, letter of motivation), in electronic form (as one continuous PDF file) by 11 April 2023, quoting the reference number #01-23006 to:

Senckenberg Gesellschaft für Naturforschung

Senckenberganlage 25

60325 Frankfurt am Main

E-Mail: recruiting@senckenberg.de

Mit freundlichen Grüßen / Yours sincerely

Isabel Gajcevic, M.A.

Personalsachbearbeiterin

SENCKENBERG

Gesellschaft für Naturforschung

(Rechtsfähiger Verein gemäß § 22 BGB)

Senckenberganlage 25

60325 Frankfurt am Main

Besucheradresse: Mertonstraße 17-21, 60325 Frankfurt am Main (1. OG)

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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>

SMC Maryland Teaching Evolution

Evolutionary biologists focusing on cellular systems are encouraged to apply.

St. Mary's College of Maryland invites applications for a Visiting Assistant Professor position in Cellular Biology beginning August 2023. We seek a biologist with demonstrated potential for excellence in undergraduate education and mentorship. Teaching responsibilities include participating in biology core courses as needed (Contemporary Biosciences, Principles of Biology I, Principles of Biology II, Genetics, Ecology and Evolution) and upper division electives in their specialty. Ph.D. required; postdoctoral training and/or teaching experience preferred. We seek candidates with a commitment to excellence in teaching as well as maintaining an active research program that has the potential to involve undergraduates. The successful candidate must produce the necessary documentation to legally work in the U.S. upon hire.

Non-sectarian since its founding, St. Mary's College of Maryland is a public Carnegie Baccalaureate, Arts and Sciences institution which has been designated as Maryland's public honors college. We are located in St. Mary's City, 70 miles southeast of Washington, D.C. With selective admissions policies, academically talented students, and a rigorous curriculum, we offer a small college experience similar to that found at exceptional private colleges. The quality of life is enhanced by the recreational opportunities of the Chesapeake region and by our proximity to Washington, D.C. and Baltimore.

St. Mary's College (www.smcm.edu) embodies diversity and inclusion in its mission. We create an environment that recognizes the value of individual and group differences, and we encourage inquiries from applicants who will contribute to our cultural and ethnic diversity. Application materials should include a cover letter that addresses how the candidate will contribute to a campus culture of inclusion; curriculum vitae (including email address), statement of teaching philosophy, statement of research interests, and evidence of teaching effectiveness (if available). In support of inclusive hiring practices, for all SMCM faculty searches initiated after February 15, 2023, the College will request three professional references (rather than letters of recommendation) at the time of application. Of these three references, at least

one should speak to the candidate's disciplinary expertise and at least one should have seen the candidate deliver or design classroom instruction. Applications are being accepted online at: *apply.interfolio.com/122347 < <https://apply.interfolio.com/122347> >*. Questions may be directed to Dr. Kevin Emerson at kjemerson@smcm.edu.

Review of applications will begin March 27, 2023 and continue until the position is filled. Employment will be contingent upon successful completion of a criminal background check and proof of COVID-19 vaccination, medical and religious exemptions will be considered. St. Mary's College of Maryland is an affirmative action/equal opportunity employer.

Visit our website: www.smcm.edu/hr* Employment will be contingent upon successful completion of a criminal background check and proof of COVID-19 vaccination, medical and religious exemptions will be considered.

St. Mary's College of Maryland is an affirmative action/equal opportunity employer.

Kevin J Emerson, PhD Associate Professor of Biology Department Chair Biology Department St. Mary's College of Maryland 18952 E. Fisher Rd St. Mary's City, MD 20686-3001 kjemerson@smcm.edu <http://faculty.smcm.edu/kjemerson> Office: 240 - 895 - 2123, Schaefer Hall 231

"Emerson, Kevin" <kjemerson@smcm.edu>

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SUNY Geneseo Teaching Plant Evolution

The Department of Biology at SUNY Geneseo invites applications for a tenure track position at the rank of Assistant Professor to begin in August 2023. The department seeks a plant scientist who will contribute to the broad education in biology we provide to our majors and to the college community. Strong candidates will demonstrate connections between their work in plant sciences to sustainability and/or other global issues.

The duties of the position include:

- Teaching courses in introductory biology and/or non-majors biology, and elective courses in plant sciences (with a typical 3 1/2 3 teaching load per semester, in-

cluding lab courses) - Maintaining a research program in plant sciences that engages undergraduate students - Academic advising - Service to the department, the college, the community, and profession

Come join our friendly, welcoming department and campus in beautiful western New York, snuggled between the Finger Lakes region and the scenic waterfalls and vistas of Letchworth State Park. Only 30 min south of Rochester.

Apply here: <https://jobs.geneseo.edu/postings/4254>
Inquiries may be directed to Jennifer Apple, search committee chair: applej@geneseo.edu. For full consideration, applications must be completed by April 3, 2023. Applications may continue to be reviewed until job is filled.

Full details below:

The mission of the Department of Biology at SUNY Geneseo is to provide students reflecting the diversity of New York State with a broad background in biology, which can be used as a solid foundation for various careers in the biological sciences and health professions. We aspire to promote belonging among all our students, faculty and staff. Please visit our website to learn more about our work in support of diversity, equity, and inclusion: <https://www.geneseo.edu/biology/diversity-equity-and-inclusion-biology>. We want students to appreciate and value biological diversity, the range of ways we study and understand it, and to leave the program with an increased sense of stewardship for the earth. Our department, campus, and the local region provide many unique opportunities for a plant scientist, including a campus greenhouse, herbarium, and arboretum, and connections with local land trusts, Cornell Cooperative Extension, nature reserves, and state parks.

Required Qualifications:

- PhD in relevant discipline conferred by time of appointment (9/1/23) - Expertise in the field of plant sciences
- Demonstrated commitment to fostering an inclusive teaching and working environment welcoming to students and colleagues across identity groups - Ability to teach introductory biology courses, upper-level electives in plant sciences, and courses for non-majors - Demonstrated potential to develop and maintain a research program that engages and mentors undergraduate students

Preferred Qualifications:

- Teaching experience in the plant sciences or related fields - An interest in applying expertise in plant sciences to teaching and research in sustainability or other global challenges - Demonstrated engagement with issues in

diversity, equity, inclusion, and belonging - Relevant research publications in peer-reviewed journals - Post-doctoral research experience in their field

To apply, submit an online faculty application at <https://jobs.geneseo.edu>. In all components of the application, candidates should demonstrate their commitment to fostering an inclusive teaching and working environment in their roles as teacher, research mentor, advisor, and colleague.

The initial application should consist of:

- A cover letter that addresses the required and preferred qualifications - Curriculum vitae - Statement of teaching experience and interests - Statement of research experience and interests, which should address plans to engage and mentor undergraduate scientists. - Contact information (email address) for three references from whom a letter will be requested by the search committee when an applicant moves to the interview stage.

Review of completed applications will begin upon receipt. To ensure full consideration, application must be completed by April 3, 2023. Applications may continue to be reviewed until job is filled. Initial interviews are anticipated to be conducted virtually in mid-late April.

reinhardt@geneseo.edu <reinhardt@geneseo.edu>

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

UAlaskaMuseum GenomicResourcesCollectionsManager

Enthusiastic about biodiversity, genetics, and research? Interested in working in a research museum? The University of Alaska Museum of the North seeks an inquisitive and detail-oriented individual to manage and help develop our growing genomic resources facility. <https://www.uaf.edu/museum/collections/genomics/> Full job description, contact information and application instructions are found at the following webiste -> <https://careers.alaska.edu/en-us/job/524067/-genomic-resources-collection-manager> Review of applications will begin on March 27, 2023 and the application portal will remain open until the position is filled.

Andrii₁/₂s Li₁/₂pez <jalopez2@alaska.edu>

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

UBritishColumbia ResAssoc ProtistEvolution

Research Associate Position in Marine Protist Diversity
at U of British Columbia

The Department of Botany seeks a well-trained highly motivated and enthusiastic individual interested in exploring the evolutionary biology of complex microbial life and their endosymbionts using cultivation, microscopy, genomics, and single-cell genomics methods coupled with phylogenomic analyses, as a Research Associate. The applicant must have a PhD or equivalent and at least three additional years of research experience. Expertise in eukaryotic biodiversity and evolutionary history, and the application of single cell genomics methods (genomic and transcriptomic datasets) and phylogenetic analyses are essential, as is expertise in lab maintenance and manipulation of protists, and advanced methods in the cultivation of heterotrophic flagellates. The applicant must have excellent written and oral communication skills and be highly organized. Experience in marine field collecting is also highly desirable. The candidate must have a proven record of publication in significant journals in the field. The position is available starting May 1, 2023 for two years with a possibility for extension subject to a satisfactory performance and funding. To apply, please send a cover letter outlining research experience and interest, a curriculum vitae and the names and contact information for 3 referees by e-mail to Patrick Keeling, Department of Botany, University of British Columbia. E-mail pkeeling@mail.ubc.ca. Closing date is April 30, 2023.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. Our department is committed to confronting systemic biases, particularly as they affect individuals from Black, Indigenous and People of Colour (BIPOC) communities, and intersect with other forms of discrimination.

All qualified candidates are encouraged to apply; how-

ever Canadians and permanent residents will be given priority.

“Keeling, Patrick” <pkeeling@mail.ubc.ca>

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UCalifornia SantaBarbara TeachingEvolution

Assistant Teaching Professor in Biological Sciences

University of California Santa Barbara

Position overview Salary range: The posted <https://www.ucop.edu/academic-personnel-programs/-compensation/index.html> set the minimum pay determined by rank and step at appointment. <https://ap.ucsb.edu/compensation.and.benefits/-ucsb.salary.scales/1L.pdf> for the salary history range. A reasonable estimate for this position is \$75,000-\$175,000. \“Off-scale salaries\” and other components of pay, i.e., a salary that is higher than the published system-wide salary at the designated rank and step, are offered when necessary to meet competitive conditions. Anticipated start: 7/1/2023 Application Window

Open date: February 6, 2023

Next review date: Friday, Mar 24, 2023 at 11:59pm (Pacific Time) Apply by this date to ensure full consideration by the committee.

Final date: Friday, Jun 30, 2023 at 11:59pm (Pacific Time) Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description

The Department of Ecology, Evolution, and Marine Biology (EEMB) at the University of California, Santa Barbara invites applications for a tenure-track faculty position as an Assistant Teaching Professor, with an anticipated start date of July 1, 2023. The Department is looking for exceptional individuals with expertise in biology capable of teaching introductory biology courses covering organismal, ecological, and evolutionary biology in EEMB. The appointment would include curriculum and program development activities in the Introductory Biology series for EEMB.

The Department of Ecology, Evolution and Marine Biology (eemb.ucsb.edu) offers research and teaching pro-

grams that span biological scales from physiology and morphology of individuals, to the behavior and interactions of groups, to the functioning of ecosystems. EEMB administers four specialized EEMB majors and two general Biology majors.

Responsibilities will include teaching and teaching related tasks for lower and upper division undergraduate courses; mentorship of undergraduate, and potentially graduate students; professional and/or scholarly achievement and creative activity, particularly relating to instruction and pedagogy; and participation in university service. Additional responsibilities of this position may include coordination of active learning aspects of the EEMB Introductory Biology lecture series. Faculty in this title are members of the Academic Senate, with the same benefits and privileges as the professor track.

The University of California seeks to recruit and retain a diverse workforce as a result of our commitment to serve the people of California. UC Santa Barbara is a Hispanic-Serving Institution (HSI), an Asian American and Native American Pacific Islander Serving Institution (AANAPISI), and 40% of UCSB's undergraduate student body are first-generation college students. We invite candidates who understand the systemic barriers facing individuals from underrepresented groups in STEM and who will leverage evidence-based teaching strategies to provide equitable opportunities and promote diversity and inclusion across educational environments.

The University is especially interested in candidates who can contribute to the diversity and excellence of the academic community through teaching, research, and service as appropriate to the position.

Qualifications

- Basic qualifications (required at time of application) - Applicants must have completed all requirements for a PhD (or equivalent) in biology or a closely related field, except the dissertation by the time of application. A minimum of one year of teaching experience by the time of application is required (teaching assistant experience is counted). - Additional qualifications (required at time of start) - Applicants must have completed a PhD (or equivalent) in biology or a closely related field by the time of appointment.

Preferred qualifications Applicants should have a record of excellent teaching, with experience and expertise in biological sciences. Preferred qualifications include participation in curriculum and program development and assessment, with a demonstrated history of evidence-based and inclusive teaching as well as scholarship in biology education in higher education settings. Preferred qualifications also include a track record of mentoring and

fostering the success of historically under-represented students and the ability to interface with and contribute to departmental and institutional initiatives in these areas.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.

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UHawaii Hilo GeneticsGenomics

Tenure-track Assistant Professorship in Genetics/Genomics at the University of Hawaii at Hilo

Position #82322

UH Hilo, College of Natural and Health Sciences, tenure-track, full-time, general funds, nine-month appointment to begin approximately August 2023, pending position clearance and availability of funding.

The UH Hilo Department of Biology seeks candidates for the position of Assistant Professor who use a genetics/genomics approach to address questions of fundamental importance in biology. Our department and university have a strong commitment to recruit and retain diverse applicants. We encourage women and members of underrepresented groups to apply. The UH Hilo Department of Biology is committed to serving our community and state through excellence in teaching and research.

Full details and how to apply here (review of applications to begin March 24): <https://hilo.hawaii.edu/uhh/hr/-vacancy/1313> Matthew L. Knope, PhD (he/him/his) Associate Professor of Biology

University of Hawaii, Hilo 200 W. Kawili St., Hilo, HI 96720 Lab website: <https://matthew-knope.squarespace.com> Matthew Knope <knope@hawaii.edu>

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UKansas LabTech FlyComplexTraits

A research assistant / lab technician position is available in my lab at KU to work on the genetic analysis of complex traits in flies. The position will involve both fly work and molecular biology (including approaches using high-throughput sequencing), and might be great for someone interested in gathering more research experience before going to graduate school. Experience with flies would be a plus, but isn't required. The formal announcement, and links to the institutional employment website are provided below. Feel free to email me with any questions. Stuart Macdonald (sjmac@ku.edu)

Position Overview: An assistant researcher position is available in the Macdonald lab in the Department of Molecular Biosciences at the University of Kansas (<https://molecularbiosciences.ku.edu/people/-stuart-j-macdonald>). We explore the genetic basis of complex trait variation using the fruit fly *Drosophila* as a model system. The successful candidate will help maintain fly strains and populations of flies, supervise and carry out large-scale phenotyping screens, and perform various molecular biology tasks, including generating next-generation sequencing libraries for various genomics applications. We are looking for an enthusiastic and organized individual who wants to learn new skills, and has excellent oral and written communication skills. Previous research assistants in the Macdonald group have undertaken independent research projects and been authors on research publications from the lab. The position is funded through a new multi-year NIH grant and has an anticipated start date of June 5, 2023 (although this is negotiable).

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

mental results, and regularly present data/results to Dr. Macdonald.

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

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

Application:

For a complete announcement and to apply online, go to employment.ku.edu/staff/24636BR

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

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

Review of applications will begin on April 3, 2023 and will continue until the position is filled.

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in the university's programs and activities. Retaliation is also prohibited by university policy. The following persons have been designated to handle inquiries regarding the nondiscrimination policies and are the Title IX coordinators for their respective campuses: Director of the Office of Civil Rights & Title IX, civilrights@ku.edu, Room 1082, Dole Human Development Center, 1000 Sunnyside Avenue, Lawrence, KS 66045, 785-864-6414, 711 TTY (for the Lawrence, Edwards, Parsons, Yoder, and Topeka campuses); Director, Equal Opportunity Office, Mail Stop 7004, 4330 Shawnee Mission Parkway, Fairway, KS 66205, 913-588-8011, 711 TTY (for the Wichita, Salina, and Kansas City, Kansas medical center campuses).

Dr. Stuart J Macdonald he, him, his

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

Professor and Associate Chair Department of Molecular Biosciences

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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>

Emmanuel Desouhant <Emmanuel.Desouhant@univ-lyon1.fr>

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

ULyon Population Genomics For Health

Dear colleagues,

A position of junior professor chair at the University Lyon 1 will soon open in the Biometry and Evolutionary Biology Lab (UMR5558, <https://lbbe.univ-lyon1.fr/en>) in Lyon to work on the applications of genomics to Health.

Taking advantage of the new opportunities brought by large-scale sequencing, the person recruited will conduct fundamental research, with a translational aim, based on the exploitation of genomic data. The aim will be to use the mass of individual and population data to foster a better understanding of the dynamics, evolution and health of populations (human, animal, microbial, and their interactions).

Job characteristics: 4-years contract (probationary period) followed by an assessment to award full tenure as a professor.

Conditions to apply: PhD or equivalent

More details on the position here: <https://filesender.renater.fr/?s=download&token=3e15ed5a-5300-4ef4-9bdf-1fe4331eed11>

Contacts : fabrice.vavre@univ-lyon1.fr et emmanuel.desouhant@univ-lyon1.fr

Sincerely

Emmanuel Desouhant Université Claude Bernard Lyon1, UCBL 43 Bd du 11 Novembre 1918 Bat Mendel, Etage 1 Laboratoire Biométrie et Biologie Evolutive (LBBE), UMR CNRS 5558, VetAgroSup 69622 Villeurbanne Cedex, France

Tél: 00 33 (0)4 72 43 19 21 LBBE: <https://lbbe.univ-lyon1.fr/fr> Groupe: EVOLUTION, ADAPTATION, COMPORTEMENT <http://lbbe.univ-lyon1.fr/-Equipe-Evolution-Adaptation-et-.html> Master Ecologie, Evolution, Génomique(EEG): <https://www.bee-lyon-univ.fr/>

UMinnesota FieldTech PlantEvolution

The Moeller lab at the University of Minnesota is seeking a field assistant for summer 2023. Our research focuses on the evolutionary ecology of plant speciation and adaptation in *Clarkia*, a genus of wildflower in California. In particular, we are examining the role of mating system divergence in the evolution of reproductive isolation. Our study system includes two closely related subspecies, one of which is primarily outcrossing (pollinated by bees) and the other is primarily self-pollinating. Where these two taxa encounter one another, they have exaggerated differences in floral traits and produce very few hybrids despite the potential to do so. One goal of our work is to examine how plant-pollinator interactions and floral trait variation influence the probability of hybridization between them; another goal is to examine the fitness of hybrids in a field environment.

The position will include fieldwork (May-June) in the Kern River Valley (Kern County, CA) in the southern Sierra Nevada mountains. Our fieldwork occurs on steep, rocky slopes, in dry weather ranging from cool to very hot. The assistant will receive training in a variety of research approaches for studying plant populations and plant evolution and contribute to several ongoing experiments.

The ideal applicant will be detail oriented, work well with a team, and enjoy long days in the field. The successful applicant will also need to be able to carry ca. 20 lbs or more to field sites. Field work will involve hiking up and down hillsides on uneven terrain and can be demanding.

The exact start date is flexible, but field work will begin approximately May 14 and continue through June 30, 2023. The employee will also have the option (if desired) to return to the University of Minnesota in July and August to continue work in the lab and greenhouse.

Compensation: \$15/hour (full time) Travel to and from research sites Field accommodations? Lodging in a house shared with researchers, including a private bedroom, a shared kitchen, wireless internet, and access

to extensive land surrounding a ranch where we live

Review criteria: 1. Availability: Applicants should be available to begin fieldwork in California in early May (the exact start date is flexible). 2. Education: Applicants should have, at minimum, some undergraduate education in biology, ecology, or related field, or equivalent experience. 3. Experience: Applicants with experience and enthusiasm about working outdoors, and/or previous field research experience, will be given priority. Previous experience working with plants is preferable but not required. 4. Skills: Applicants must be able to perform repetitive tasks (e.g., plant measurement) with attention to detail, and participate in daily hiking to and from field sites. 5. Interpersonal considerations: Applicants must be willing to live and work in close quarters with other researchers.

How to apply: To be considered for the position, please email a CV/Resume and a brief (approx. 1 page) statement of your interest in the position to Brooke Kern (kern0193@umn.edu). You may also contact us via email if you have questions about the position.

Application review will begin April 5, 2023, and will continue until the position is filled.

kern0193@umn.edu

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

UPrimorska WildlifeGenomics

Faculty member: UP FAMNIT

The University of Primorska invites applicants for a research assistant (postdoc with the possibility of an extended tenure track faculty position). We seek candidates with a PhD in Life Sciences (molecular biology, ecology, biology, forestry, veterinary, biochemistry, etc.). Applicants with experience in wildlife genomics will have priority; postdoctoral and teaching experience are required. Work position is classified in 43rd salary grade, from 1st April 2023 onward in 44th salary grade. Trial work is three (3) months. The expected starting date is May 2023.

The candidate will become a member of the Molecular Ecology group at the Department of Biodiversity in the Faculty of Mathematics, Natural Sciences, and Information Technologies. The group uses molecular tools to investigate many different topics and species, from

wildlife monitoring to adaptation, and from conservation biology to wildlife management. The group also has a keen interest in citizen science in wildlife monitoring.

Your tasks:

A selected candidate will contribute to the management of national and international research projects and maintain and promote open science practices. The candidate will also teach a minimum of 1 course per semester, train, and supervise students. The work environment will also include international travel due to project meetings.

Your profile:

A relevant university education with a completed doctoral/PhD degree and a strong potential in research. Experience with conducting population genomics analyses is preferred, but not required. Exceptional organizational skills and strong ability to accomplish tasks independently. Teaching or supervision experience is required. Excellent spoken and written English is required.

Application instructions:

Interested applicants are requested to send the application in electronic form torazpisi@famnit.upr.si and "Tenure-track position" in the object.

Please attach in PDF format:

A cover letter explaining your interest in the position and how you fit the description a CV a list of publications highlighting the five most relevant ones.

Application deadline: 31 March 2023

Minja Krstić <minja.krstic.vranje@gmail.com>

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

UPuertoRico EvolMarineMicrobiology

Dear members of the EvolDir community,

A new tenured-track position in Marine Microbiology is available at the University of Puerto Rico at Mayagüez. Please spread the word.

The University of Puerto Rico at Mayagüez is currently searching for applicants for research and education in Marine Microbiology and related subject areas. We are open to a broad range of specialties, but are particularly interested in candidates with backgrounds in marine microbial ecology and evolution, natural products and

industrial and socio-economic applications, symbiotic interactions, marine microbial pollution and marine microbial geochemistry.

MINIMUM REQUIREMENT

Applicants must have a Doctor in Philosophy degree in Marine Sciences or related discipline from an accredited institution and postdoc experience is desired. This position will support research endeavors with expertise in the areas of biological, physical, geological and chemical oceanography. Applicants must provide a record of scientific research publications which indicates the candidate's potential to establish and maintain a productive research program. Bilingualism (Spanish/English) would be considered a valued skill.

JOB DESCRIPTION

The chosen candidate will have a regular academic load equivalent to 12 credits per semester. This load will involve teaching, research and institutional services. The candidate must be committed to excellence in graduate teaching at the graduate level, including the creation of new courses, when necessary. The ability to work within a multidisciplinary environment is highly desired. The successful candidate is expected to actively pursue external funding to support her/his research activities and laboratory improvements. The candidate will also develop a competitive research program in the area of specialization, publish original research in specialized peer-review journals, advise graduate students, and participate in other departmental activities and committees.

HOW TO APPLY

Interested candidates should send letter with statement of research and teaching interests, representative reprints of major publications, curriculum vitae, and three (3) peer reference letters, to: cima@uprm.edu

Dr. Ernesto Weil, Director Department of Marine Sciences University of Puerto Rico at Mayagüez Call Box 9000, Mayagüez PR 00681-9000

Phone (787) 265-3838 cima@uprm.edu

Some of the benefits that the University of Puerto Rico offers include: health plan, retirement, sick leave, and maternity and paternity leave.

WE ARE AN EQUAL OPPORTUNITY EMPLOYER -M/F/V/I P.S. Here is the link for the advertisement at the Chronicle of Higher Education <https://jobs.chronicle.com/job/37329405/assistant-professor-in-marine-microbiology/> Cheers,

Nick

-

Nikolaos V. Schizas, Professor Department of Marine Sciences University of Puerto Rico, Mayagüez Call Box 9000, Mayagüez, PR 00681

Tel: 1-787-899-2048 ext. 236 (Office) Fax: 1-787-899-5500 Web Page: <http://www.schizaslab.com/> Nikolaos Schizas <nschizas@gmail.com>

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

USFS NatlGenomicsCenter ConservationGeneticist

This is outreach for a Terrestrial Conservation Geneticist with the USDA Forest Service, Rocky Mountain Research Station, National Genomics Center for Wildlife and Fish Conservation in Missoula, MT.

We are seeking a conservation geneticist for a permanent, GS-12 position in the National Genomics Center for Wildlife and Fish Conservation. The scientist will be an integral part of a larger research team comprised of scientists, professionals, technicians, and administrative staff. The mission of this team is to "Provide scientific leadership, reliable ecological understanding, and management tools for the conservation and management of wildlife populations and their habitats." As a collaborative member of this team, the scientist will develop a research program that uses molecular genetic tools to improve our understanding of wildlife population response to a changing terrestrial landscape.

This position will be housed in the research branch of the USDA Forest Service. Applicants should have the interest in collaborating with scientists at the Wildlife and Terrestrial Ecosystems branch locally in Missoula as well as those dispersed throughout the Rocky Mountains (see link below for more information about the WTE program). <https://www.fs.usda.gov/rmrs/science-program-areas/wildlife-and-terrestrial-ecosystems> Additionally, the applying scientist will collaborate with the management branch of the National Forest Service to conduct research and service projects that furthers our knowledge base and helps inform the natural resource decision-making processes. Strong candidates will be those dedicated to conducting both basic and applied conservation genetics and genomics research. This includes answering important questions with existing partners in the research and resource management community as well as developing independent research projects that furthers the mission of the USFS.

This is not the formal application announcement. It is an outreach notice for a non-remote work eligible position. The formal announcement will appear on USAJOBS as a “Research Biological Scientist”. Please look for the formal announcement in the early spring of 2023. The position will be open for 5 days (administrative regulation for this position). All interested applicants should send a letter of interest and a c.v. to Dr. Michael Schwartz at michael.k.schwartz@usda.gov. Please place “Conservation Geneticist” in the email header.

A career with the U.S. government provides employees with a comprehensive benefits package. As a federal employee, you and your family will have access to a range of benefits that are designed to make your federal career very rewarding. Learn more about federal benefits at: <https://www.usajobs.gov/Help/working-in-government/benefits/>. Qualifications: Ph.D. in a biological discipline relevant to molecular genetics, conservation genetics, environmental DNA analysis, landscape genetics, population genetics, bioinformatics, ecology, or conservation biology. Post-doctoral experience is preferred. The candidate should demonstrate research excellence, creative problem solving, the ability to build a research program as documented through peer-reviewed publications, and the ability to obtain independent, extramural funding. Demonstrated ability to work collaboratively with a team is essential. The selected candidate will receive mentorship from a local team of scientists in all aspects of the position and how to be effective in the Agency.

“Fraik, Alexandra (afraik@uidaho.edu)”
<afraik@uidaho.edu>

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through inclusive course materials and teaching strategies. An earned M.S. or Ph.D. in Biology or closely related field is required. Prior college teaching experience as instructor of record is preferred. For more information about the Department of Biology at the University of South Alabama, please visit the following link: <http://www.usouthal.edu/biology/>. To apply: Send by email in a single PDF document including: (a) letter of interest, (b) current curriculum vita, (c) teaching philosophy, (d) unofficial transcripts, and (e) names of three references to Sinéad Ní Chadhain at snichadhain(at)southalabama.edu. The successful applicant will need to arrange to have all official graduate and undergraduate transcripts sent directly by the Registrars of all colleges attended to the following address:

Sinéad Ní Chadhain, Ph.D. Biology Department 5871 USA Dr. N. Room 124 The University of South Alabama Mobile, AL 36688

Review of applications will begin March 20, 2023, and continue until the position is filled.

The University of South Alabama is an EO/AA employer and does not discriminate on the basis of race, color, national origin, sex (including pregnancy, sexual orientation, gender identity and gender expression), religion, age, genetic information, disability, or protected veteran status.

Jason Strickland, Ph.D. (He/Him/His) Assistant Professor Department of Biology University of South Alabama Life Sciences Building Room 222 (LSCB 222) 5871 USA Dr. N Mobile, AL 36688 Office: 251-460-7310

Jason Strickland <jasonstrickland@southalabama.edu>

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USouthAlabama TeachingEvolution

The Department of Biology at the University of South Alabama seeks applications for a full-time (12-month), non-tenure-track Instructor position, beginning May 15th, 2023. Duties include lecturing, laboratory coordination, and laboratory instruction for General Biology for Majors. Experience teaching Cell Biology or Genetics is a plus. The successful candidate will be committed to employing evidence-based practices in teaching and demonstrate an understanding of the needs of a student population of great diversity in age, cultural background, ethnicity, primary language and academic preparation

UUm Germany EvolutionaryMicrobiology

At the university of Ulm, Germany, we are seeking to recruit a professor in microbiology and biotechnology at the new institute of molecular biology and biotechnology of prokaryotes. While the focus of the group should include biotechnology, an evolutionary slant to the work would be highly welcome. The position should bolster the research focus on stress responses and resilience in biological systems, from cells to ecosystems (<https://www.uni-ulm.de/en/nawi/department-of->

[biology/science-research/research-focus/](#)).

The advertisement and link to the on-line recruitment system can be found here: <https://stellenangebote.uni-ulm.de/jobposting/-3a4e5d23a8c55394277b18e13eed9f4dc40e6384> The newly founded Institute (Director: Prof. Dr. Marchfelder) investigates molecular, microbiological, and genetic aspects of stress and resilience in bacteria and archaea. The new professorship should focus on the molecular mechanisms of microbial stress response and should investigate how these contribute to the organism's resilience.

The university is looking for an individual with outstanding scientific qualifications and an international visibility in the research area of the Institute < <https://www.uni-ulm.de/nawi/molecular-biology-and-biotechnology-of-prokaryotes/> >. The successful candidate should be open to collaborations within the Department of Biology < <https://www.uni-ulm.de/nawi/nawibiologie/wissenschaft-forschung> >, the Faculties of Natural Sciences and Medicine and should have connections to existing research foci < <https://www.uni-ulm.de/forschung> > of the departments. The appointment should strengthen Ulm's position as a biotechnology hub.

The professorship will substantially contribute to the molecular and microbiological training of the Bachelor's and Master's degree programs in Biology and Biochemistry. Teaching is conducted in German and English. Participation in the academic self-administration of the faculty is expected.

Employment requirements are completed university studies as well as teaching aptitude, a doctoral degree and further pertinent scientific achievements (ç 47 LHG).

Prof. Dr. Lena Wilfert University of Ulm Institute of Evolutionary Ecology and Conservation Genomics Albert-Einstein Allee 11 D-89069 Ulm Germany Tel.: 0049-731-5030615 Fax: 0049-731-5022683

email: lena.wilfert@uni-ulm.de Website: <https://www.uni-ulm.de/nawi/evolutionary-ecology-and-conservation-genomics/prof-dr-lena-wilfert> Lena Wilfert Ulm <lena.wilfert@uni-ulm.de>

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UVirginia LabTech Evolution

The Bergland Lab in the Department of Biology at the University of Virginia is looking to hire a Lab Technician (level 2) to conduct ecological and evolutionary genetics research. Current projects in the lab include the genetics and physiology of rapid evolution in *Drosophila* and *Daphnia*. Work in the lab incorporates field sampling and laboratory experimentation, population genetic analysis, and public outreach.

The lab technician will assist with ongoing research projects as well as day-to-day lab management. Research responsibilities include: 1. the oversight, operation, and management of a long-term *Drosophila* Citizen Science collection project; collection, sorting and management of field-based samples of *Drosophila* 2. analysis of *Drosophila* species abundance data 3. training and management of undergraduate research assistants 4. management of *Drosophila* stock cultures. 5. Other responsibilities include purchasing for the lab, and equipment service & maintenance. 6. The successful applicant will have the opportunity to develop skills in molecular biology such as DNA extraction, PCR, high-throughput library preparation. This full-time position will remain open until filled. This is a restricted position contingent on continued funding.

Apply here: https://jobs.virginia.edu/jobs/-R0045361?source=uva_jobs Contact Alan Bergland with questions: aob2x@virginia.edu

MINIMUM REQUIREMENTS Education: Associate's degree Experience: At least 2 years of lab experience which may include student experience. Bachelor's degree in related science will be considered in lieu of experience.

Preferred Experience: Experience working with animal, plant, or fungal systems in the field or in the laboratory. Experience with taxonomy or species identification (in any taxa), experience with field sampling, experience in science communication.

PHYSICAL DEMANDS This position can spend extensive periods of time standing and squatting while conducting experiments or caring for animals. Also requires keyboarding and other bench work and animal procedures requiring finer finger manipulation.

COVID Vaccination Requirement and Guidelines Please visit the UVA COVID-19 Job Requirements and Guidelines webpage prior to applying for current information

regarding vaccination requirements and guidelines for employment at UVA.

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, mar-

ital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.

Alan Bergland (he/him) | Associate Professor, Department of Biology | University of Virginia PO Box 400328 | Charlottesville, VA 22904 <https://www.bergland-lab.org> | <https://www.EEBvirginia.org> | <http://bio.as.virginia.edu> | <https://dest.bio>

"Bergland, Alan Olav (aob2x)" <aob2x@virginia.edu>

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Award CollectionsBasedResearch

Dear EvolDir community I would like to bring your attention to this year's CETAF E-SCoRe award - Excellence in Scientific Collections-based Research. Applications can be submitted by April, 30th 2023 at the latest.

This year, only younger-career researchers are addressed who are either enrolled as PhD students or have finished their PhD within the last 6 months. Candidates have to be nominated by a scientist based at a CETAF <<https://cetaf.org/>> member institution.

CETAF is looking forward to your applications. More

information + apply here: <https://cetaf.org/template-activities/cetaf-initiatives/e-score-award/> Best wishes
Eva

Dr. Eva Häffner Science Policy Coordinator Botanischer Garten Berlin

Telefon: +49 30 838 59964 Mobil: +49 176 183 850 63
e.haeffner@bo.berlin

Freie Universität Berlin ZE Botanischer Garten und Botanisches Museum Berlin Künigin-Luise-Strasse 6-8 14195 Berlin

#BoBerlin Internationales Wissenszentrum der Botanik
"Häffner, Eva" <E.Haeffner@bo.berlin>

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Call ESEBJohnMaynardSmithPrize

ESEB - John Maynard Smith Prize 2023: Call for Nominations

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

NOMINATION *//*

The prize is open to any field of evolutionary biology. The candidates for the 2023 prize normally must have begun their PhD study after January 1, 2016. In addition, nominees more than 7 years from the start of their PhD will be considered if they have had career breakstaken for family, caring or health reasons; the nature of the reason must be given. Self-nominations are welcome.

Documents supporting a nomination should be sent as a single PDF file to Ute Friedrich at the ESEB office (office@eseb.org). These should include a brief justification of the nomination explaining the candidate's contributions to the study of evolution, the candidate's CV and list of publications (indicating three most significant papers), a short description of current and future research plans from the candidate (about 1-2 pages), and a letter from the candidate approving the nomination. A letter of reference from another colleague (or, in case of self-nomination, two letters) should be sent directly to Ute Friedrich.

Nominations and letters of support should arrive no later than FRIDAY, JANUARY 13, 2023. Please take care to limit the size of attachments (total < 10 MB) in any one email.

The nomination committee, chaired by the ESEB Vice President Andrea Betancourt, will evaluate the nominations and inform the winner approximately by the end of February 2023.

The prize winner is expected to attend the next ESEB congress in August 2025 in Barcelona, Spain, where he or she will deliver the 2023 John Maynard Smith Lecture. The Society will cover registration, accommodation, and travel expenses (economy fare).—The JMS Prize comes with a monetary prize of 2500 euro

, the invitation to write a review for the /Journal of Evolutionary Biology/, and the possibility of a Junior Fellowship of 6 months at the Institute of Advanced Study in Berlin, Germany. For more information on the Institute of Advanced Study see www.wiko-berlin.de/en/. Previous winners of the JMS Prize are listed at the ESEB web site <https://eseb.org> Sincerely, Andrea Betancourt ESEB Vice-President

European Society of Evolutionary Biology Email: office@eseb.org Website: eseb.org

ESEB Office <office@eseb.org>

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ESEB OutreachInitiativeFund DeadlineMar15

ESEB Outreach Initiative Fund

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

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

There will be a single call per year with a total budget of 20,000 Euro. A single project can be funded with up to 4,000 Euro, but smaller projects are welcome. We are requesting a report after one year, at which time the project should be completed.

Please use the ESEB application form to submit your proposal and note the word limits given herein. The form can be downloaded at the ESEB website: <https://eseb.org/prizes-funding/outreach-fund/> Proposals will be accepted until *15 MARCH 2023* and should be submitted by email to the ESEB office (Email: office@eseb.org; Subject: Outreach 2022). Note that we will acknowledge receipt of all applications within a week. If you have not received our confirmation by then, please contact the ESEB office again!

Please note that scientific meetings are not supported by ESEB Outreach Initiative funds. These fund also do not work as a mechanism for continual funding. Once

the potential of a project has been demonstrated, this should be used as a basis to convince other funding sources on continuation funds. Hence, submissions by a group that has been successful in past calls may be penalized if the proposals are mere follow-ups of previous projects.

The applications will be evaluated by the Outreach Initiative Committee:

Josefa Gonzälez, Chair Delphine Sicard Rhonda R. Snook Hildegard Uecker Karine Van Doninck

-- European Society for Evolutionary Biology - www.eseb.org ESEB Office - office@eseb.org

ESEB Office <office@eseb.org>

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EvolutionarySynthesis PhilTransB

Royal Society Publishing has recently published a special issue of Philosophical Transactions B entitled Half a century of evolutionary games: a synthesis of theory, application and future directions compiled and edited by Xiang-Yi Li Richter and Jussi Lehtonen and the articles can be accessed directly at <https://www.bit.ly/PTB1876>

A print version is also available at the special price of 40.00 per issue from <https://sales@royalsociety.org> Felicity Davie Royal Society Publishing

T +44 20 7451 2647

The Royal Society 6-9 Carlton House Terrace London SW1Y 5AG <http://royalsocietypublishing.org> Registered Charity No 207043

Felicity.Davie@royalsociety.org

Fellowships MonteVeritaConference EvolutionInAction

The Conference EVOLUTION IN ACTION <<https://www.evolution.uzh.ch/en/conference.html>>, taking place on Monte Verità¹, Switzerland, from June 11 - 15, 2023, provides fellowships for young researchers who face financial challenges in paying the cost of attendance.

Application deadline is April 15, 2023.

Guidelines: <https://www.evolution.uzh.ch/en/conference/financialsupport.html> About the conference: The International Conference Evolution in Action brings together researchers with a common interest in genomic technologies and their application to evolutionary questions.

Evolutionary biology plays a central role in understanding mechanisms and processes that shape biological systems. Despite its relevance for many scientific fields, researchers addressing evolutionary questions often work somewhat isolated in their respective discipline, discouraging interdisciplinary discussions.

The genomic revolution has strongly altered the research field of evolutionary biology. Sequencing technologies have become so powerful and affordable that the genetic variability of entire genomes and even of many individuals can be directly studied. Such approaches enable research especially on rapid evolutionary changes and are key to understanding, e.g., the evolution of human, animal, and plant pathogens, domestication principles, and processes underlying rapid adaptation. These are socially important topics, as seen for example in the speedy emergence of virus variants in SARS-CoV-2 or the adaptation of wild species and crops to climate change.

With this conference, we aim to facilitate interdisciplinary research integrating biology, medicine, agricultural, and computer sciences to address evolutionary questions that are relevant to our changing world and society.

Have a look at the complete program of the conference with all invited speakers here <<https://www.evolution.uzh.ch/en/conference/program.html>>.

Coordination office URPP Evolution in Action University of Zurich c/o Department of Plant and Microbial Biology Zollikerstrasse 107 CH-8008 Zurich +41 44 634 82 19 <<tel:+41446348219>> coordination@evolution.uzh.ch www.evolution.uzh.ch EVOLUTION coordination <coordination@evolution.uzh.ch>

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EVOLUTION coordination
<coordination@evolution.uzh.ch>

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InstAdvancedStudies Berlin FocusGroup

Call for Focus Group Proposals at the Wissenschaftskolleg zu Berlin (Institute of Advanced Studies).

Each year the Wissenschaftskolleg zu Berlin welcomes around 40 internationally recognized scholars of proven merit at all career stages from all fields of knowledge, including the humanities, the social sciences, and the arts. Our goal is to promote a kind of scholarship and science that transcends disciplinary boundaries and goes beyond established issues and approaches. In each class of Fellows there can be one or two focus groups of up to five researchers who work on a common theme.

For the academic year 2024/2025 or 2025/2026 the Wissenschaftskolleg invites applications for focus groups.

We are looking for a small team that has identified a common research question and an approach that promises new insights. Each focus group hosts several research projects that relate to a common overarching theme. Up to five Fellows may collaborate under this thematic umbrella. In addition, the groups may invite up to three Short-term Fellows for three months each and they may also invite external guests for workshops or other collaborative formats.

There are absolutely no restrictions placed on the range of topics for focus groups. The program does however target projects that require ten months of on-site collaboration in order to complete. The group's disciplinary composition should be based on the substantive requirements of the chosen topic. In the interests of promoting cultural diversity and multidisciplinary conversation at the Kolleg, we particularly invite applications from the natural and technical sciences, and we welcome groups with participants from different academic cultures and countries of origin. We expect the group members to come from different home institutions. Finally, we appreciate groups that are diverse also with respect to gender and age.

In addition to funding the fellowships, the Kolleg offers support in organizing seminars and workshops, establishing scholarly contacts in Berlin, and inviting guests.

Please submit your preliminary applications by May 1st, 2023. For more details, please refer to the Submission Instructions and the FAQ.

<https://www.wiko-berlin.de/en/becoming-a-fellow/-fellowships/focus-groups/current-call-for-proposals/-instructions-for-submitting-a-proposal-for-a-focus-group> Should you have further questions, please contact Janina Schirmer (janina.schirmer@wiko-berlin.de) or Dieter Ebert (dieter.ebert@unibas.ch).

Dieter Ebert University of Basel, Department of Environmental Sciences, Zoology Vesalgasse 1, CH-4051 Basel, Switzerland <http://evolution.unibas.ch/> Email: dieter.ebert@unibas.ch Tel. +41-(0)61-207 03 60

Dieter Ebert <dieter.ebert@unibas.ch>

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MolEcolPrize NominationsSolicited

Nominations for Molecular Ecology Prize

We are soliciting nominations for the annual Molecular Ecology Prize.

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

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

Please send your nomination with a short supporting statement (no more than 250 words; longer submissions will not be accepted) and the candidate's CV directly to Joanna Freeland (joannafreeland@trentu.ca) by Friday, March 31, 2023. Organized campaigns to submit

multiple nominations for the same person are not necessary and can be counterproductive. Also, note that nominations from previous years do not roll over.

With thanks on behalf of the Molecular Ecology Prize Selection Committee

Joanna Freeland <joannafreeland@trentu.ca>

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MolEcol Special Issue Chromosomal Rearrangements

Dear community,

together with Hannah Augustijnen (University of Basel), Cristina Arias-Sardá (University of Kent), and Marta Farré (University of Kent) we are organising a special issue in Molecular Ecology entitled “A genomic update on the evolutionary impact of chromosomal rearrangements”, and we are looking for contributions!

The special issue is open for relevant submissions and the deadline is May 1, 2023. Details can be found here: <https://onlinelibrary.wiley.com/journal/1365294x/homepage/special-issue-chromosomal> Scope The role of chromosomal rearrangements (CRs) driving evolution has been a long-standing question in evolutionary biology. CRs comprise an array of rearrangements, ranging from local structural variants (SVs) to large-scale karyological changes. While CRs have been the focus of classic theoretical work, we lack empirical evidence for them causing adaptation and speciation. New technologies make it now possible to assemble chromosome-level genomes of a broad range of organisms. Coupled with the democratization of re-sequencing technologies, we can now study CRs and their implications across the tree of life. Manuscripts in this special issue will address the following questions, from a broad perspective, bringing together both theoretical and empirical research on taxa from across the tree of life:

- What causes the evolution of CRs and do these differ among taxa?
- Are CRs themselves sufficient to result in speciation, or do they promote speciation by interacting with other barriers?
- Does the evolutionary impact of CRs among different types of CRs?
- Do chromosomal rearrangements have a different evolutionary impact depending on whether autosomes or sex chromosomes are involved?

For more information or questions, please contact me

Best regards Kay Lucek

LUCEK Kay <kay.lucek@unine.ch>

Nominations Evolution Society Leadership

The Society for the Study of Evolution (SSE) is accepting nominations for SSE Council. Serving on the society leadership board is a great way to give back to the evolutionary biology community and contribute to SSE’s mission to promote evolutionary biology research, education, application, outreach, and community building in an equitable and globally inclusive manner.

Elections are held in the fall, with terms beginning January 2024. Nominations received by April 1 will receive full consideration for this year’s election cycle.

Nominate yourself or someone else today! <https://forms.gle/F8vFtv4myQvTxBnb9> More about the Society for the Study of Evolution: <http://www.evolutionsociety.org/> *Kati Moore*she/her *Communications Manager* *Society for the Study of Evolution* communications@evolutionsociety.org www.evolutionsociety.org SSE Communications <communications@evolutionsociety.org>

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Nominations SMBE Faculty Awards Due Mar 24

*** Deadline extended to Friday 24 March! ***

SMBE is calling for nominations for recipients of the faculty awards for Early-Career Excellence, Mid-Career Excellence, Lifetime Contribution, and Community Service. Please consider nominating those of your colleagues you believe deserve to be rewarded for their extraordinary achievements and dedication to the field. Updated descriptions of the awards follow; please read them carefully.

Nominations require a nomination letter, which should

clearly indicate the award under consideration and also serve as a recommendation letter; a separate one-page summary of the nominee's qualifications for the award; a CV of the nominee; and an additional letter of recommendation. Self-nomination is not allowed. The nominator need not be an SMBE member, but the nominee must be a member of SMBE to be considered for the award.

SMBE Early-Career Excellence Award

This award is intended for outstanding members of the SMBE community who are in the early stages of an independent research career (3-7 years post-Ph.D.). The primary signal of research excellence is a trajectory of innovative, creative research that is moving the field of Molecular Biology and Evolution forward. The ideal candidate will be one whose career embodies the values of the society, for example in mentoring, outreach, and teaching. The prize includes recognition at the annual SMBE banquet, a cash prize of \$2000 and a travel award to attend the annual meeting. This award will be made annually.

SMBE Mid-Career Excellence Award

This award is intended for outstanding members of the SMBE community who are in the midst of their research careers (8-15 years post-Ph.D.). The primary criterion is a record of truly outstanding research that has contributed broadly to the field of Molecular Biology and Evolution. The ideal candidate will be one whose career embodies the values of the society, for example in mentoring, outreach, and teaching. The prize includes recognition at the annual SMBE banquet, a cash prize of \$2000 and a travel award to attend the annual meeting. This award will be made annually.

SMBE Lifetime Contribution Award

This award is intended for outstanding senior members of the SMBE community (25 years post-Ph.D.). The primary criterion is a record of truly outstanding research that has contributed broadly to the field of Molecular Biology and Evolution. The ideal candidate will be one whose career embodies the values of the society, for example in mentoring, outreach, and teaching. The prize includes recognition at the annual SMBE banquet, a cash prize of \$2000 and a travel award to attend the annual meeting. This award will be made annually and initiated by the SMBE council.

SMBE Community Service Award

This award will be awarded to members of SMBE who have provided exceptional service to SMBE and the broader scientific community. The term "service" applies broadly to include specific service to the community

(such as to the SMBE journals, the Council or annual meetings) and also service that includes scientific outreach and education. The prize includes an award of \$2000 as well as reimbursement to attend the annual meeting. This award will be made periodically and initiated by the SMBE council.

The materials should be compiled into a single PDF file, and should be emailed to tosmbe.ks@kwglobal.com by or before 24 March 2023.

Best Regards, James McInerney SMBE Past President
 "Lulu Stader (SMBE admin)"
 <smbe.contact@gmail.com>

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OmennPrize BestEvolMedicineArticle

Nominations for the \$5000 Gilbert S. Omenn Prize close soon; the deadline is April 1, 2023. Self-nominations are welcome. Full information at isemph.org/Omenn-Prize

The prize is sponsored by the the International Society for Evolution, Medicine, and Public Health. The winner is invited to present a talk at the August 14-17 annual meeting at the Beckman Center in Irvine, California.

All peer-reviewed articles that use evolutionary principles to advance understanding of a disease or disease process are eligible. The prize committee will give priority to articles with implications for human health, but many basic science or theoretical articles have such implications. Authors are encouraged to nominate their own articles, but nominations of articles by others are also welcome.

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

This year's prize committee is chaired by Caleb Finch; members include Koos Boomsma, Raghavendra

Gadagkar, Steve Austad, Connie Mulligan, and Carol Worthman. Articles by author's with close associations with members of the prize committee are not eligible.

Full information at <https://isemph.org/Omenn-Prize>
The nomination form can be accessed directly at <https://airtable.com/shrkwknmQWbx5mB1x> Randolph Nesse
<nesse@umich.edu>

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OmennPrize BestMedEvolArticle Mar31Deadline

Nominate the best article on evolution and medicine you read (or wrote!) last year for the \$5000 Omenn Prize! But do it now; March 31 is the deadline.

The winner will give a talk at the August 14-17 meeting of the International Society for Evolution, Medicine, and Public Health at the National Academy's Beckman Center in Irvine, California. <https://isemph.org/Omenn-Prize> < <https://t.co/q4rBFv2PaF> > B1x < <https://t.co/8anSJCGV7q> >

nesse@umich.edu

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Phillipines TeachingHighSchool Biodiversity

Teach General Biology and Research methods at a private high school in the Philippines and help develop and catalog an intertidal invertebrate biodiversity project. The deadline is April 15th, 2023

Science Corps is looking for 1 broadly trained evolutionary biologist, with a recent PhD (up to four years after graduation), for a fully paid fellowship to help build science capacity at our partner location, CVIF in Jagna, Bohol, Philippines . The Central Visayan Institute Foundation (CVIF) is a private high school that serves as a host location for Science Corps Fellows. The fellowship is for late spring or early summer 2023. CVIF is looking for a PhD level evolutionary

biologist to teach Biology and help the research team at the school develop MinION sequencing to produce a gene bank for phylum Mollusca from the Bohol Sea (See <https://www.cvifbohol.com/research-centers>). We are particularly interested in finding a Fellow to start in June or July 2023.

Science Corps is a small group of scientists running a non-profit that sends recent PhD graduates to teach science abroad. Fellows travel to partner institutions to develop science curriculum, teach in secondary school classrooms, and build community-based research projects. In addition to building science capacity at these host locations, we also aim to offer fellows a life-changing experience. They are given the opportunity to spend time in beautiful locations, immerse themselves in different cultures, and learn from their host educators-all while making positive contributions to these communities.

The deadline for this specific fellowship opportunity for an evolutionary biologist in the Philippines is April 15th, but we still encourage you to contact us if you would like to be considered for a later appointment.

To find out more about us and apply, please go to

<https://science-corps.org> Stephen E. Harris, Ph.D. Assistant Professor of Biology, Purchase College SUNY < <https://www.purchase.edu/live/profiles/-1759-stephen-harris> > Cofounder, Science-Corps < <http://www.science-corps.org/> > (614) 915-4686 stephen.harris@purchase.edu

Stephen Harris <harris.stephen.e@gmail.com>

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Requesting SamplesPhotos ButterflyMelanitisLeda

Dear Evolutionary Biologists,

We are looking for collaborators to sample common evening brown butterflies (*Melanitis leda*) as part of the NCN-funded project "Success of a widespread butterfly: Local adaptation or phenotypic plasticity?" <https://melanitisleda.amu.edu.pl/>. This species occurs throughout Africa and the Austral-Asian region, and is often common. To reconstruct the phylogeography of the species, we are gathering a few specimens on ethanol for genomic analysis from sites across the entire range.

We are also interested in documenting colorations of

this species in different parts of its range. The sampling can be done in natural habitats as well as in gardens and plantations. Sampling consists of trapping butterflies and photographing them against a standard grey card in the field. We are also interested in photographs of collected specimens or taken in the wild. We offer co-authorship for time series and have funding to supply butterfly traps and grey cards.

If interested, please contact Freerk Molleman at fremol@amu.edu.pl.

Warm greetings,

Freerk

Freerk Molleman <fremol@amu.edu.pl>

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RohlfMedal 2023 CallForNominations

The Rohlf Medal for Excellence in Morphometric Methods and Applications was established in 2006 by the family and friends of F. James Rohlf to mark his 70th birthday. He has been a longtime Stony Brook University faculty member and is currently Emeritus Distinguished Professor in the Department of Ecology and Evolution, and Research Professor in the Department of Anthropology.

Recipients of the Rohlf Medal will be recognized for excellence in their sustained body of work on the development of new morphometric methods or for their applications in the biomedical sciences, including evolutionary biology, population biology, physical anthropology, and medicine. The term “morphometrics” is intended to include high-dimensional pattern analysis of biological form, especially those methods that analyze shape in a comprehensive way, or of covariation of shape with other variables. Additional details may be found on the Rohlf Medal website: <https://tinyurl.com/-RohlfMedalNom> . Nominations may be made either by the nominee himself/herself or by a colleague. Nominations consist of a letter making the case for the nominee for the 2023 award. Nominees under full consideration by the committee may then be asked to provide additional materials as described on the website: <https://tinyurl.com/RohlfMedalNom>. Nominations must be submitted to that website by June 15, 2023.

The successful candidate will receive the Rohlf Medal and a cash prize at Stony Brook University, planned for on or about October 24th, 2023. She or he will deliver a lecture that is appropriate for a broad audience, ranging from the exact sciences to the humanities, concerning the morphometric methodology, software, or findings for which the Rohlf Medal was awarded.

If you have questions about this nomination or need information, please contact Dean Adams (Chair: dcadams@iastate.edu).

Dean Adams (on behalf of the Rohlf Medal committee)

Dr. Dean C. Adams (he/him) Distinguished Professor of Evolutionary Biology Department of Ecology, Evolution, and Organismal Biology Iowa State University <https://-faculty.sites.iastate.edu/dcadams/> phone: 515-294-3834 .

“Adams, Dean [EEOB]” <dcadams@iastate.edu>

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Smithsonian Internship SwiftFoxPopGen

Conservation Genomics Internship Non-invasive monitoring of a reintroduced population of swift foxes

An internship research opportunity is available with the Smithsonian National Zoo and Conservation Biology Institute’s Center for Conservation Genomics (CCG). Our group works to understand and conserve biodiversity through application of genomics and genetics approaches. This is a multi-disciplinary, collaborative project with a goal of understanding reintroduction success in swift foxes (*Vulpes velox*). The Smithsonian is part of a reintroduction program on the Fort Belknap Indian Reservation. We are using non-invasive genomics techniques to monitor foxes after release and to test the hypothesis that genetic diversity will positively correlate with fitness in the reintroduced animals.

The intern will be trained in and perform laboratory methods including DNA extraction, quantification, and visualization, genomic DNA library preparation ’ specifically methods accommodating low-quantity, low-quality DNA - in-solution hybridization enrichment, preparing libraries for Illumina sequencing, and bioinformatics pipelines to analyze DNA sequence data. The intern will also participate in the development of peer-reviewed

manuscripts. This project may be of interest to students interested in population genetics or conservation genetics. Required experience include coursework in molecular biology, genetics, population genetics, evolutionary biology and/or conservation biology; familiarity and experience with micropipettes; detail-oriented; and familiar with sterile techniques. Preferred skills include experience with molecular genetics laboratory protocols, particularly non-invasive genetics/eDNA sampling (including DNA extraction, PCR, and/or library preparation, etc.) and some experience with ecological sampling, study design and basic statistical data analysis. The qualified candidate should have received a bachelor's, or master's degree in one of the relevant fields, or be currently pursuing one of the degrees with completion by December 2023.

The appointment is full-time, to commence in winter 2023 and estimated to last 6 months, with possibility of renewal. Those currently pursuing their degree could negotiate for part-time during the semester and full-time during the summer. The position includes a stipend of \$2500 per month when engaged full-time. The intern will work at the CCG lab on the Rock Creek Campus in D.C. and the intern is responsible for their own housing. The primary advisors will be Drs. Lillian Parker and Jesus Maldonado. A more complete description of the internship can be found at National Zoo Internship webpage < <https://nationalzoo.si.edu/careers/internships/conservation-genomics-internship-non-invasive-monitoring-reintroduced-population> >.

Send a single PDF containing a cover letter, resume and contact list of references to Dr. Jesi $\frac{1}{2}$ s Maldonado maldonadoj@si.edu by December 15, 2022. Indicate "Swift Fox Genetics Internship:" in the subject line.

"Parker, Lillian D." <parkerld@si.edu>

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Special Issue MicroMacro JEB ESEB

I am very pleased to inform you that a submission of manuscripts to a special issue (SI) of *Journal of Evolutionary Biology* (owned by ESEB) "**Inferring macroevolutionary patterns and processes from—microevolutionary mechanisms**" has just opened.

On behalf of guest editors of our SI

(masahito.tsuboi@biol.lu.se, theo.gaboriau@unil.ch), here I warmly invite you to submit your or your student's—manuscript studying the relationship between microevolution and macroevolution.

Themes that we aim to cover in our SI include, but not limited to:

- Paleontological data, theory and methods in relation to contemporary data
- Phylogenetic comparative methods and their applications to empirical research (note that JEB publishes Methods Article now)
- Dynamic and process of speciation as a bridge between microevolution and macroevolution
- Ecological and functional causes of microevolution and macroevolution
- Influence of developmental architecture on evolutionary trajectories across scales
- Variability of traits and genomic sequences across individuals, populations and species
- Population-genetic and quantitative-genetic parameters in relation to tempo and mode of macroevolution
- Phylogenomics and phylogenetic data, theory and methods across time scales

Please see the following link for further details: https://onlinelibrary.wiley.com/page/journal/14209101/homepage/-Journal_of_Evolutionary_Biology_Call_for_Papers.html

To submit your manuscript to our SI, please prompt your submission to JEB in the link above, go to "/Step 1: Type, Title, & Abstract/" page, then choose "/Inferring macroevolutionary patterns and—processes from microevolutionary mechanisms/" in the drop-down menu of a question: "/Is this submission for a special issue?.../"

A rough schedule: *we plan to close the call on the 31st of August and publish the special issue in early 2024*. Please note that we will have a rolling editorial process (submit-review-revise-publish), meaning that successful manuscripts will be electronically published as "Early View" articles as soon as editorial processes will be completed, and will later be included in the special—issue when all articles are processed.

Please feel free to share this invitation with your colleagues. Should you have any questions, please do not hesitate to contact me at thibault.latrille@unil.ch.

Best wishes,

Thibault Latrille

Thibault Latrille <thibault.latrille@unil.ch>

Undergrad Travel Awards To Botany 23 Apr 7

OTHER: PLANTS Grant: Undergrad Travel Awards and Mentored Conference Experience at BOTANY 2023 deadline: April 7, 2023

The PLANTS program seeks up to 15 undergraduates interested in learning more about plants at the BOTANY 2023 conference in Boise, Idaho, July 22-26, 2023. PLANTS scholars are matched with a near-peer (graduate student) and an established (career professional) mentor to help the PLANTS scholar better understand scientific talks, workshops, field trips, poster sessions, and career options including grad school. PLANTS mentors can also help to introduce PLANTS scholars to people they wish to meet. Presentations cover areas such as pollination biology and other plant-animal interactions, conservation, paleobotany, ethnobotany, systematics and biodiversity, climate change, pedagogical methods, genomic methods, etc. The conference is a great way to understand the breadth of botanical research and education, to meet undergraduate and graduate students with similar interests, learn about potential career paths, and to network with professionals in your area of interest. The PLANTS program offers programming and student-centered experiences across the conference and includes full funding to support meeting registration, travel, meals throughout the conference, conference lodging, and a per diem on travel days.

The goal of this program (funded by the National Science Foundation, Botanical Society of America and affiliated societies) is to promote a more diverse, inclusive, and accessible culture in the botanical community. PLANTS Scholars join a network of over 100 PLANTS alumni and have sustaining opportunities to engage in mentoring through follow-up webinars and opportunities to return to the BOTANY meetings as mentors and alumni in subsequent years.

The application deadline is now April 7, 2023.

For the application and more information about the PLANTS program:

<https://botany.org/home/awards/travel-awards-for-students/plants-grants.html> For questions about the PLANTS program, email: plantsgrant@botany.org

For more information about the BOTANY 2023

conference in Boise, Idaho July 22-26, 2023: <https://2023.botanyconference.org/> aksakai <aksakai@uci.edu>

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Webinar Series Population Genetics Vienna

Dear colleagues,

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

Sign up here to receive webinar announcements and zoom links for the upcoming term: <https://forms.gle/-jvgbtz5pa7Ewz1Hj6> Upcoming webinars:

07.03.23 - Johannes Krause (Max Planck Inst. for Evol. Anthropology, DE) The genetic history of Europe: Adaptation and Migration in prehistory.

14.03.23 - Matteo Fumagalli (Queen Mary Univ. of London, UK) Big data, AI, and other buzzwords in population genetics.

21.03.23 - Laurent Duret (Univ. Lyon, FR) Random genetic drift sets an upper limit on mRNA splicing accuracy in metazoans.

28.03.23 - Ralph Tiedemann (Univ. of Potsdam, DE) Evolution of Electric Organ Discharge (EOD) in African weakly electric fishes: Genomics and ecology of a magic trait.

11.04.23 - Arnaud Le Rouzic (Universit?? Paris-Saclay, FR) The evolution of robustness and evolvability in complex genetic architectures.

18.04.23 - Jere Koskela (Univ. of Warwick, UK) Data structures and inference for Ancestral Recombination Graph models of population genetics.

25.04.23 - Camille Berthelot (Institut Pasteur, FR) Seeing double: understanding the early genome evolution of tetraploid teleost fishes.

02.05.23 ??? tba Title tba.

09.05.23 - Joanna Kelley (Washington State Univ., US) Genomic basis of adaptation to extreme environments.

30.05.23 - Jacob Mueller (Univ. of Michigan, US) Fruits of chromosomal conflict.

06.06.23 - Stephen Dorus (Syracuse Univ., US) The molecular life history of sperm: postcopulatory male x female interactions.

13.06.23 - Emilie Brassat (Univ. Clermont Auvergne, FR) Reactivation of an endogenous retrovirus in *Drosophila* ovarian somatic tissue: from germline invasion to taming.

20.06.23 - Dolph Schluter (Univ. of British Columbia, CA) The evolution of phenotypic incompatibilities during speciation.

27.06.23 - Elif Bozlak (Vetmeduni, AT) What can Y chromosome tell about population history of mammals in the post-genomic era?

All webinars organised by the Vienna Gradu-

ate School of Population Genetics are available on our website <https://www.popgen-vienna.at/news-seminars/> Most talks are recorded and can be found on youtube: <https://www.youtube.com/channel/UCAdGx2zyQNYVti9Cr1muhUg> Dr. Julia Hosp

Vienna Graduate School of Population Genetics Coordinator

www.popgen-vienna.at <https://twitter.com/PopGenViennaPhD> c/o Institut f??r Mathematik, Universit??t Wien & Institut f??r Populationsgenetik, Veterin??rmedizinische Universit??t Wien

T +43 1 25077 4302

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AMNH NewYork BirdGenomics

Postdoctoral Fellowship – American Museum of Natural History –

Department of Ornithology

The Smith Lab at the American Museum of Natural History (AMNH) is recruiting an exceptional postdoc to investigate population genomics and color evolution in an extraordinary avian system, the Rainbow Lorikeet complex of Australasia. This group includes over 20 described taxa that exhibit remarkable patterns of plumage color. Using whole genome data, the postdoctoral fellow will lead a project aiming to uncover the evolutionary history of the clade and identify genetic correlates underlying color evolution. The study is in collaboration with Drs. Michael Andersen (UNM) and Leo Joseph (ANWC).

The AMNH is a vibrant and supportive environment where the postdoctoral fellow will get to interact with an active research community. The postdoctoral fellow will also have access to a multitude of professional development opportunities.

The annual salary will be \$66,445 with benefits. This full-time position is eligible for a 2 year appointment, subject to a satisfactory work performance review after one year.

Responsibilities:

The postdoc will lead analysis of whole genome data including annotation, mapping and variant calling, demographic modeling, selection tests, genotype-phenotype associations, and collecting color data from digital images of specimens. Familiarity with degraded DNA is a plus.

Required qualifications:

Ph.D. or equivalent in evolutionary biology, computational biology, or related fields and demonstrated record of productivity and publications. Experience with processing and analyzing whole genome data, computer programming (e.g., python; R), genomics, molecular evolution, and avian biology.

Contact and Application:

If interested, please send a complete CV, a cover letter explaining your qualifications and interest in the position (no more than two pages), and names of three referees by email as a single pdf file to Brian T. Smith (bsmith1@amnh.org) with the title “Ornithology Post-doc”. Evaluation of the applications will begin April 15th and continue until the position is filled, with a desired starting date July-August 2023.

The American Museum of Natural History is an Equal Opportunity/Affirmative Action Employer. The Museum does not discriminate with respect to employment, or admission or access to Museum facilities, programs or activities on the basis of race, creed, color, religion, age, disability, marital status, partnership status, gender, sex, sexual orientation, gender identity, gender expression, genetic information, pregnancy, alienage or citizenship status, current or former participation in the uniformed services, status as a veteran, or national or ethnic origin, or on account of any other basis prohibited by applicable City, State, or Federal law. Additional protections are afforded in employment based on arrest or conviction record, status as a victim of domestic violence, stalking and sex offenses, unemployment status, and credit history, in each case to the extent provided by law. If special accommodations are needed in applying for a position, please call the Office of Human Resources.

Brian Smith <briantilstonsmith@gmail.com>

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ArizonaStateU LizardMorphometricsPhylogeography

We are seeking a postdoctoral researcher to join a vibrant team of international researchers investigating the impacts of closely related species on phenotypic evolution through a combination of skeletal analyses, fieldwork, and phylogeographic modeling, all focused on Spiny lizards (genus *Sceloporus*) (see the NSF grant abstract here: https://nsf.gov/awardsearch/showAward?AWD_ID=2154897). The postdoc will join the Martins Lab at Arizona State University

(<https://martins.lab.asu.edu/>) and work on a collaborative project with Drs. Michelle Lawing (Texas A&M University), Julio Rivera (Henry M. Jackson Foundation), and Jaime Zúñiga-Vega (Universidad Nacional Autónoma de México). Anticipated to start August 2023.

The postdoc will (1) conduct geometric morphometric analyses of lizard skeletons, including training and supervising a team of student researchers in scoring 3-dimensional CT images, (2) participate in month-long field expeditions and ecological surveys in Mexico, and (3) contribute to phylogenetic comparative reconstructions of species assemblages through time and space. They will also coordinate outreach activities, travel to conferences, and write scientific papers to disseminate project results.

To apply, visit <http://apply.interfolio.com/122609>, and submit materials by April 27, 2023.

Inquiries are welcome; please contact emilia.martins@asu.edu

Emilia Martins <Emilia.Martins@asu.edu>

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Brigham Young University Insect Silk Genomics

The Frandsen Lab at Brigham Young University seeks a postdoc for an NSF-funded project focused on silk genetics/genomics in Trichoptera and Lepidoptera. This project is funded across multiple lab groups and institutions (Stewart Lab, University of Utah; Kawahara and Stoppel Labs, University of Florida; Martin Lab, George Washington University; Hayashi Lab, American Museum of Natural History), with the goal of integrating across multiple disciplines to assess how nature shapes silk fiber function. The postdoc selected will work with other postdocs and graduate students across the partner institutions.

We seek a highly motivated individual with a background in genomics/bioinformatics. The postdoc will lead efforts in combining genomic, transcriptomic, and proteomic data to characterize the “silkome” of butterflies, moths, and caddisflies. They will also be responsible for the organization and coordination of samples. They will interface with other postdocs and graduate students involved in the project. The successful appli-

cant will have:

- A PhD (ABD candidates are welcome) - Experience in analysis of genetic data, preferably using high throughput sequencing data - A knowledge and experience of working in a high-performance computing environment
- Scripting experience in a coding language like Python or R
- An ability or willingness to work well with others and mentor both graduate and undergraduate students.
- Coordinate with other institutions in data sharing and analyses.

Also desirable, but not essential: - a knowledge of Lepidoptera/Trichoptera and/or insects in general - most publications from graduate work near submission - well organized - laboratory skills - fieldwork skills

BYU is a selective private university sponsored by the Church of Jesus Christ of Latter-day Saints with a student body of ~32,000 students. There are exceptional opportunities to mentor both graduate and undergraduate students. The Plant and Wildlife Department is composed of faculty in genetics, environmental science and sustainability, and wildlife conservation that are collegial and collaborative. BYU has state-of-the-art computational resources (<https://rc.byu.edu/-documentation/resources>) and a DNA sequencing center (<https://biology.byu.edu/dnasc>). The postdoc would have the opportunity to mentor undergraduate students from several related majors (bioinformatics, genetics, and biodiversity) as well as graduate students working directly on the SPIN project. There is also the opportunity for the postdoc to develop their own research.

BYU is located in the heart of the Rocky Mountains in Provo Utah at 4500 feet elevation (~1400 m). It is a mecca for outdoor activities and is close to five national parks, 20 minutes to ski resorts, 15 minutes to world-class rock climbing, endless hiking and mountain biking opportunities, off-roading, and 20 minutes to blue-ribbon trout streams. Provo has a population of ~116,000 and is part of the Wasatch Front metropolitan area with ~two million people and has all the amenities of a large city. There is free public transport within Provo and across the Wasatch Front (including to Salt Lake City).

Interested candidates should send a CV and any questions to paul.frandsen@byu.edu.

Paul Frandsen <paul.frandsen@byu.edu>

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CIRAD Montpellier PopulationEcolGenomics

“Post-doc: CIRAD Montpellier in Population and Ecological Genomics We are looking for a postdoctoral researcher with knowledge in population genetics and in ecology or ecological genomics for investigating the vulnerability of olive trees using two main approaches. First, using niche ecological modeling approaches, the postdoctoral researcher will establish the putative range of cultivation and predict its change in the future climate conditions. To do this, he/she will benefit from occurrence data of the cultivated varieties all over the Mediterranean and from publicly available climate datasets. Data on wild stands from the western part of the Mediterranean where wild trees are expected to have evolved without cultivated introgression will be available to enable niche modeling of the wild compartment and comparison with the cultivated one.

In a second part, the postdoctoral researcher will assess the genomic vulnerability (also referred to as “genetic offset”) of the olive tree cultivated varieties. Using a whole genome sequencing dataset obtained from a reference set of 200 cultivated varieties, he/she will use machine learning approaches (for instance gradient forest; Bay et al, 2018; Rhoné et al, 2020) to model the relationships between current climate conditions and allelic composition turnouts. Then, based on future climate projection, he/she will identify the regions of the cultural basin that are in greater threat regarding future climate conditions. As well as in the first part, a comprehensive genomic dataset will be generated for wild populations in the western Mediterranean (through a capture experiment in a Pool-seq design) in the frame of a PhD position. The postdoctoral researcher will be associated to the bio-informatics analysis of this dataset and will use it to assess the wild olive tree genomic vulnerability. The postdoctoral researcher will be recruited by CIRAD (French Agricultural Research Centre for International Development) in Montpellier, France. He/She will be hosted at the Joint Research Unit AGAP Institut (<https://umr-agap.cirad.fr/en>) with the following advisors: B. Khadari (AGAP Institut), B. Rhoné (AGAP Institut) and P. Cubry, IRD, (DIADE, <http://diade.ird.fr/>). As part of a collaborative effort, the postdoc is expected to interact and possibly mentor graduate students. Large interactions will be expected with two PhD students (Lison Zunino 2020-2023 and Laila

Aqbouch, 2021-2024) working on the same collaborative network. Condition to apply: The applicant must be of Italian nationality and must held a doctorate for less than five years and who have defended their thesis before September 30, 2023. The selected candidate will recruited by CIRAD from July 1st, 2023 to June 30, 2025. The remuneration is from 2 147 euro net per month (from 62800 euro gross/year). He/she will benefit from the French Social Security System. To apply please send: 1) a cover letter, 2) CV with a list of three references to bouchaib.khadari@cirad.fr; benedicte.rhone@cirad.fr and philippe.cubry@ird.fr. Informations on the post-doc position: bouchaib.khadari@cirad.fr

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

Bouchaib

Bouchaib Khadari <bouchaib.khadari@cirad.fr>

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ClemsonU EvolutionaryGenomicsAdaptation

The Lewis Lab in the Department of Genetics and Biochemistry at Clemson University is recruiting an evolutionary genomics postdoctoral researcher to study adaptation in *Heliconius* and other butterflies. Potential projects will build on a substantial amount of preliminary data and include adaptive evolution of sexual dimorphism, adaptation to local environments, and wing color pattern evolution. Researchers will work with the PI to develop a research program that includes their own interests. Projects may include travel to Central and South America.

The Lewis Lab uses functional genomics (RNA-seq, ATAC-seq, ChIP-seq, Hi-C), whole genome sequencing, and CRISPR to identify the molecular mechanisms and evolutionary processes that underlie adaptive evolution. Clemson University is an R1 institution located in beautiful Clemson, SC on Lake Hartwell, at the base of the Blue Ridge mountains. The city of Greenville, SC is 30 minutes away and there are 5 national forests within a 2 hour drive!

Anyone with questions is welcome to contact James Lewis (jjl8@clemson.edu).

Duration: This position is currently supported for 2.5

years, with a good possibility of further support for additional postdoctoral study. Assistance will be provided for independent postdoc fellow applications.

Qualifications: This position requires a PhD in biology, evolutionary biology, genetics, genomics, or a related field. Experience with molecular biology assays and/or analysis of large genomic datasets using python/R or similar language is preferred, but not required. We are happy to help applicants develop skills as needed!

Application Instructions Qualified applicants should upload the following documents:

1) A cover letter (2 pages maximum) describing research interests, background, and future goals 2) Applicants CV 3) Up to three publications that highlight the applicants' background 4) Contact information for 2 references. Letters of recommendation will be requested for top candidates.

Applications should be submitted via: <http://apply.interfolio.com/114205> Review of applications will begin March 27th and the position will remain open until filled.

James Lewis Assistant Professor Dept. of Genetics and Biochemistry Clemson University www.jameslewislab.com James J Lewis <jjl8@clemson.edu>

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CornellU EvolutionOfNovelty

Postdoctoral Research Associate Studying Evolution of Novelty

Department of Ecology & Evolutionary Biology

Cornell University, Ithaca, NY

The College of Arts & Sciences at Cornell University embraces diversity and seeks candidates who will contribute to a climate that supports students, faculty, and staff of all identities and backgrounds. We strongly encourage individuals from underrepresented and/or marginalized identities to apply.

Position Function

The Babonis Lab in the Department of Ecology and Evolutionary Biology at Cornell University seeks to hire a highly motivated postdoc to work on the evolution of cnidocyte (stinging cell) diversity in cnidarians (corals,

sea anemones, jellyfish). The Babonis Lab is broadly interested in understanding the origin of taxon-specific traits (novelties) across levels of organization.

Primary areas of interest in the lab include: the functional diversification of cnidocytes (stinging cells), the emergence of specialized animal secretory cell types, the evolution of regeneration and stem cell identity, the origin of novel genes, and the assembly of novel gene regulatory networks.

The successful candidate will be expected to use a broad range of cellular, molecular, and functional genomic techniques in a wide array of taxa to interrogate the evolution and development of novel traits. The primary model organism in the lab is the sea anemone *Nematostella vectensis* and we have recently developed cultures of corals and tube anemones for comparative studies. We are a highly collaborative and interdisciplinary group, and we aim to create a diverse and welcoming environment that supports curiosity-driven science and exploratory studies to maximize opportunities for discovery. For more information on our interests, please visit: www.babonislabs.com . Requirements

To qualify, applicants must have a Ph.D. and expertise in molecular biology, genetics, biochemistry, and embryonic development. The ideal candidate will also have significant experience with functional genomics, genome editing (including CRISPR/Cas9 technology), gene delivery techniques (e.g. microinjection, electroporation), and DNA and RNA sequencing and analysis.

The position will be appointed initially for 1 year with the option to renew pending satisfactory performance. Salary is commensurate with NIH standards.

To apply:

Please apply via Academic Jobs Online (<https://academicjobsonline.org/ajo/jobs/24483>).

Please submit a current curriculum vitae, a short cover letter describing your current research and your specific experience with the required and preferred techniques, a 1-page description of your future research interests indicating how they align with the research goals of the Babonis Lab, contact information for two professional references, and a statement of contribution to diversity, equity and inclusion via the website. Review of applications will begin April 1, 2023. The preferred start date for the position is June 1, 2023.

Applications will be reviewed as received, continuing until a suitable applicant is identified.

Salary range is \$56,484 - \$75,000

Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community

of scholars, students, and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations.

Leslie Babonis <lsb257@cornell.edu>

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CPG Stockholm Megafauna Palaeogenomics

INFORMATION: We are seeking a 3-year postdoctoral researcher in palaeogenomics with placement at the Centre for Palaeogenetics (<https://palaeogenetics.com>). The postdoc will join the First Contact project, funded through a grant from the Knut and Alice Wallenberg Foundation. The postdoctoral project is aimed at analyzing ancient DNA from large mammal remains dated to the Late Pleistocene, with a primary focus on woolly mammoths. The main goal of the project is to use state-of-the-art palaeogenomic sequencing coupled with radiocarbon time-series data to investigate whether, and to what extent, faunal demographic and genetic changes were correlated with the regional arrival of modern humans.

APPLICATION DEADLINE: 15 April 2023

HOW TO APPLY More information and link to application system can be found here: <https://www.su.se/english/about-the-university/work-at-su/available-jobs?rmpage=job&rmjob=20555&rmlang=UK> Love Dalij_{1/2}n <love.dalen@zoologi.su.se>

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CzechU LifeSciences ComparativeInsectGenomics

Postdoc position in insect genomics

Location: Czech University of Life Sciences, Prague, Czechia Starting date: June 2023 (start negotiable) for 1-2 years and possible extension. Application deadlines: Applications will be evaluated until the position is filled.

Project outline:

Organisms often evolve similar adaptations to similar environments in the process of convergent evolution. Such observations suggest that the trajectory of phenotypic evolution is amenable to predictions. Whether the genomic trajectories of convergent organisms are also - in principle - predictable is unclear due to the scarcity of genomic evidence from convergent organismal groups. To answer this fundamental evolutionary question, we are using a model system consisting of rove beetles (Staphylinidae: Aleocharinae) and scuttle flies (Phoridae) that adapted more than twenty times repeatedly to live in symbiosis with termites. The successful candidate will use comparative genomic methods to uncover the extent, the timescale, and the hierarchical level of parallel genome sequence evolution that accompany the evolution of convergent adaptations. He/she will have a head start with analyses of already generated preliminary genomic and phylogenetic sequence datasets while he/she will be building datasets for additional species and will be optionally pursuing his/her independent research questions with our insect model system.

Funding:

The successful applicants will be funded by a highly selective research grant JUNIOR STAR GAÅR from the Czech Science Foundation.

We require: -curiosity about evolutionary questions - motivation to lead research project with domestic and international collaborators -excellent written and spoken communication ability in English -PhD degree in biology, bioinformatics, or related fields -experience in phylogenetics and/or genomics

We offer: -supportive research lab situated within a green campus of a dynamic university 30min from the center of the energetic city of Prague -competitive starting monthly net salary based on previous experience ~ 1,700-1,900 EUR (~ 125-140% of average net salary)

in Czechia, note that the living cost is generally lower in Czechia compared to the western Europe); bonuses for publications -participation in international collaborations (Germany, Japan)

For more information, visit <https://bucek.ftz.czu.cz/>
Ales Bucek <bucek.ales@gmail.com>

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Denmark Ancient Environmental DNA

Postdoc in ancient environmental DNA analysis at the Globe Institute. We are looking for a highly motivated and dynamic postdoctoral researcher to work on marine environmental DNA time series data, i.e. high-throughput sequencing metabarcoding and library preparation, sequence data processing, ecological analyses, for a 2-year position to commence around June 2023 or thereafter. The successful candidate will be part of the Copenhagen group of the ERC Synergy project, SEACHANGE (<https://seachange-erc.eu/>), in which a cross-disciplinary approach is adopted to assess the impact of major cultural transitions on marine ecosystem functioning and biodiversity. Apart from ancient environmental DNA analyses, the overall project includes classical zooarchaeology, stable isotope analyses, dating methods, marine historical ecology and ecosystem modelling. A major focus of the role will be research into marine biodiversity changes across the European Mesolithic-Neolithic transition (from foraging to farming), specifically Southern Scandinavia (Work Package 1). The successful candidate will undertake DNA extraction, metabarcoding, next-generation sequencing, bioinformatic and ecological analysis of ancient environmental DNA from collected marine sediments and midden samples provided by project partners. Through collaboration with project partners the candidate will analyse a cross-disciplinary dataset of marine biodiversity changes, human impact and paleoclimate. Although material has already been collected, there are opportunities for further field collections from archaeological sites throughout Denmark. The main partners will be Prof Oliver Craig and Dr Harry Robson, University of York. Beyond the main objective, there are opportunities for the successful candidate to develop the project according to their interests and contribute to other work packages within the project. Additionally, there are opportunities

to contribute to and lead novel methodological research to improve and develop laboratory and bioinformatic workflows for the analysis of ancient environmental DNA. Advisors will be Associate Professor Kristine Bohmann, Associate Professor Shyam Gopalakrishnan, and Assistant Professor Mikkel Winther Pedersen, all from Globe Institute. Further information and application: <https://-employment.ku.dk/faculty/?show=158808> Closing date: 03/04/2023.

Luke Earl Holman <luke.holman@sund.ku.dk>

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GhentU SeaWeedEvolution

A postdoctoral position (3 years, potentially renewable) is available in the laboratory of Olivier De Clerck at Ghent University (Belgium).

Your tasks consist of conducting research on ecological genetics and evolutionary biology of seaweed. Ongoing research topics include effects of life cycle variation on genome evolution and adaptive potential of seaweeds, genetics of local adaptation and heritability of phenotypic traits. The successful candidate will have flexibility in designing their own project within the lab's general research area. You will also assist in teaching activities at the Bachelor's or Master's level, counseling Master's students in their exercises and dissertations (up to 30% of your time).

We are looking for an individual who is highly self-motivated and can work independently on a project that he or she will help develop. The successful candidate will have a strong background in evolutionary biology and ecological genetics. Applicants with experience in high-throughput DNA sequence data and genomics (genome assembly and annotation, resequencing) will be especially welcome. The working language in the laboratory is English. Dutch skills although helpful, are not essential.

For more information about this vacancy, please contact Olivier.DeClerck@UGent.be. Below you find a formal description of the position, eligibility criteria and info on the application procedure.

Career Opportunities: Post-doctoral assistant (25734)

ABOUT GHENT UNIVERSITY

Ghent University is a world of its own. Employing more

than 8,000 people, it is actively involved in education and research, management and administration, and technical and social services on a daily basis. It is one of the largest, most exciting employers in the area and offers great career opportunities. With each of its 11 faculties and more than 100 departments offering state-of-the-art study programmes that are grounded in research in a wide range of academic fields, Ghent University is a logical choice for its employees as well as its students.

YOUR TASKS * At least 70% of your assignment will be spent on academic research in the domain of phycology. * You will assist in teaching activities at the Bachelor's or Master's level, more specifically within the Phycology & Prostistology, Marine Genomics, Biodiversity Patterns, Ecosystem Functioning and Field Training Biological Research. * You will counsel Master's students in their exercises, work placement and Master's dissertation. * You will counsel doctoral students within the ongoing projects focused on the diversity, evolutionary and genetic research of seaweed.

WHAT WE ARE LOOKING FOR

You hold a doctoral degree (Doctor of Science: Biology, or Doctor of Science: Biochemistry and Biotechnology, or Doctor of Science: Biochemistry, or Doctor of Science: Marine Sciences) or a subject considered relevant by the selection committee. For diplomas awarded outside the European Union, a certificate of equivalence (NARIC) must be submitted. The degree requirements need to be fulfilled at the start of your appointment. * You have already conducted research within the field of ecological genetics and evolutionary biology. * You have distinguished yourself as a promising researcher during your doctorate. * You are profoundly interested in coaching students in the Bachelor's, Master's and/or Advanced Master's programmes. * You can present relevant scientific publications in (inter)national peer-reviewed academic journals that are widely disseminated.

WHAT WE CAN OFFER YOU * We offer you a temporary appointment of 3 years. A second appointment of up to 3 years can follow, subject to a favourable evaluation of the first term. * Even if you have already been appointed earlier (whether or not at another university and whether or not in the same field of discipline) in a first term of up to three years, you can apply. * The second appointment does not have to be immediately connected to a first term. * Your appointment will start on 1 May 2023 at the earliest. * Your remuneration will be determined according to salary scale AAP5. More information about our salary scales. < <https://www.ugent.be/nl/vacatures/salarisschalen/aapvwpeas3.htm> > * All Ghent University staff members enjoy a number of benefits, such as a wide range of

training and education opportunities, 36 days of paid leave, bicycle commuting reimbursement, ecocheques, etc. A complete overview of all our fringe benefits

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GreenlandClimateResCentre Macroalgae

The Greenland Climate Research Centre has a 24 month position postdoc position available investigating the fate of macroalgae from source to sink.

The post will focus on a temperate and sub-Arctic fjord system with the purpose to estimate blue carbon standing stock in macroalgae forests at either ends of the Greenland - Iceland - Faroe - Scotland-Ridge and trace the likelihood of this carbon to reach carbon sinks through various pathways. The post holder will combine traditional survey methodology, and satellite imagery analysis to identify macroalgal carbon sinks on land, within fjords and offshore as part of the wider BlueCea Team.

***Responsibilities:** * The successful candidate will work closely with the other post-docs employed on this project. Particular responsibilities include:

- * Plan and participate in field work in East Greenland and the Faroe Islands to collect macroalgal and detritus biodiversity and biomass estimates. * Participate in offshore surveys as part of the GCRC benthic monitoring program. * Analyse already existing and newly collected video data for macroalgal abundance * Analyse satellite imagery for macroalgal detritus. * Disseminate scientific findings through publications in peer-reviewed journals and scientific conferences. * Contribute to outreach activities.

Qualifications The ideal candidate has a PhD in marine biology or ecology and a background in macroalgal and/or blue carbon research. Early career scientists are especially encouraged to apply for this position. We are looking for a self-motivated, enthusiastic individual to join our team with the following skill set (or a subset thereof): Required

- * Multi and univariate statistical analysis skills in

R/Phyton * Macroalgae identification skills * Fluent English

Desired

* Experience deploying ROVs and/or drones * Experience on offshore surveys * Experience with video analysis * Experience in conducting research in polar environments * Experience with oceanographic modelling * Experience in working in remote locations * Danish or Greenlandic language skills

Applications are online. The full job description and application button can be found here:

<https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnaalakkersuisut.emply.net%2Frecruitment%2FvacancyAd.aspx%3FpublishingId%3D2ac4da25-e4b4-4498-9fd9-7bf75b9f3b15%26languageKey%3Den-GB&data%7C01%7Cnzwerschke01%40QUB.AC.UK%7C6d359290478f4266db1d08db1ab275d9%7Ceaab77eab4a549e3a1e8d6dd23a1f286%7C0%7C0%7C63813312611737738%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IjEhaWwiLCJXVCi6Mn0%3D%7C3006%7C%7C%7C&sdata=w80JXAnumAAOXOT6Juu25%2BJG5EpqujY5yK3ABXzdk%3D&reserved=0>

Application deadline: 1st of April

Many thanks

Nadescha

Dr Nadescha Zwerschke Benthic Ecologist Greenland Climate Research Center Kivioq 2, Nuuk 3900, Greenland

Nadescha Zwerschke <nazw@natur.gl>

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Helsinki Plant Adaptation Plasticity

The Finnish Museum of Natural History LUOMUS <<https://www.luomus.fi/en>> is looking for a highly motivated postdoctoral researcher in ecology and evolutionary biology to join the Plant Adaptation and Conservation (PAC) group. The researcher will be employed for twelve months at the University of Helsinki starting latest on 1 Aug 2023. The position is located at LUOMUS.

https://jobs.helsinki.fi/job/Postdoctoral-Researcher-in-ecology-and-evolutionary-biology/-767103402/?feedId=350602&utm_source=-

CareerSite_UniversityOfHelsinki The position is part of the research project ('Will adaptive plasticity and evolvability help plants to survive in a changing climate') funded by the Academy of Finland. In this project, we combine approaches from ecology, ecophysiology and quantitative genetics to quantify variation in trait means and to compare capacity for adaptation in key functional traits of widespread and narrowly distributed species, and we contrast leading-edge, core, and trailing-edge populations. We analyse three interrelated key mechanisms for adaptive potential in plants: (i) standing intraspecific variation in phenotypic trait means and plasticity, (ii) phenotypic plasticity within individual life-cycles and across generations, and (iii) evolutionary potential of populations and species. This combination of range-wide surveys of multivariate trait variation and plasticity with in-depth studies of population-level evolutionary potential provides an approach towards novel knowledge-based conservation applications in a changing climate.

For the position, the appointee must have a doctoral degree in a relevant discipline and the ability to conduct independent scholarly work. The appointee must have a maximum of five years since the completion of their PhD. Possible career breaks (maternity, paternity, parental or childcare leave, military/civil service etc.) will be considered. If the applicant pleads these special reasons, they should be mentioned in the CV.

Further information can be obtained from the Vice-director of Luomus, Dr Marko-Tapio Hyviö ¹/₂ rinen marko.hyvarinen@helsinki.fi, +358 (0)2941 24440

¹/₂ ystein Opedal <oystein.opedal@biol.lu.se>

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ImperialCollege UK EarlyVertebratePalaeontology

Job Advertisement Title: Research Associate in Early Vertebrate Palaeontology

Salary: ¹/₂ 43,093-50,834

Location: Silwood Park

Job Summary

We seek a vertebrate palaeontologist or evolutionary biologist to collaborate on a NERC-funded project investigating the origin of vertebrate fins and girdles for

up to 35 months. The origin of paired appendages is one of the 'holy grails' of vertebrate evolution but is a persistent evolutionary mystery. This project will use high-resolution tomography and 3D imaging to test theories about the anatomical origins of the pectoral girdle. The project will use comparative analyses of exceptionally preserved jawless and jawed fishes that demonstrate the earliest stages in the evolution of paired appendages.

The project is a NERC-funded collaboration between Dr Martin Brazeau (Imperial College), Dr Zerina Johanson (The Natural History Museum, UK), and Prof Matt Friedman (University of Michigan). A large body of tomographic data has already been generated to support this project and the candidate will form the basis for a series of detailed anatomical investigations, comparative specimen-based analyses, and phylogenetic studies.

This project represents an exciting opportunity to unify disparate strands of evidence from palaeontology, comparative anatomy, and comparative development, and will appeal to candidates with experience in any of these areas. The position will offer opportunities for research travel, support for conference attendance, and international collaboration, as well as career development.

Duties and responsibilities

You will be responsible for undertaking novel comparative anatomical and palaeontological study of exceptionally preserved early vertebrate fossils. You will be processing, visualising, and archiving these data and preparing imagery, figures, and interpretations which will result in collaborative development of new scientific publications and conference presentations. You will collaborate with the PI in the operation of the lab and will have opportunity to supervise students who are directly supporting your research objectives.

Essential requirements

- . Hold a PhD (or equivalent) in vertebrate palaeontology or related field or a closely related discipline.
- . Prior work with computed tomography and segmentation software (e.g., Mimics, Avizo, VG Studio)
- . Have undertaken comparative morphological investigation
- . Have conducted prior work with collections-based material
- . Understanding of phylogenetic methods and their practical implementation

Desirable skills . Expertise in early (Palaeozoic) vertebrates . Ability to use graphical software (e.g., Adobe CC) . Specimen illustration and/or digital modelling

Further Information

The post is funded by NERC.

The contract is full-time, up to 35 months.

Interested candidates should apply online here: Imperial website: <https://www.imperial.ac.uk/jobs/description/NAT01411/research-associate-early-vertebrate-palaeontology> Jobs.ac link: <https://www.jobs.ac.uk/job/CYI106/research-associate-in-early-vertebrate-palaeontology> Closing date: 20 April 2023

To apply, visit www.imperial.ac.uk/jobs and search by the job reference NAT01411.

“Iskakova, Laura” <l.iskakova@imperial.ac.uk>

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Institut Pasteur Paris Evolutionary Functional Genomics

Computational Postdoc in Evolutionary Functional Genomics

The Berthelot lab at Institut Pasteur in Paris has an opening for a postdoctoral researcher to join our team in an ERC-funded project to explore the functional mechanisms of rapid evolution in mammals.

Our team focuses on the uterus, a fascinating yet understudied organ in mammals. Despite its central role in mammalian reproduction, the uterus evolves very rapidly, driven by a continuous evolutionary crosstalk to optimize maternal/embryonic interactions. We want to understand how uterine gene expression programs have repeatedly evolved to produce dramatic phenotypes such as menstruation or invasive embryo implantation - two rare traits that appeared during primate evolution, but have also evolved independently in other mammalian groups. To answer these exciting questions, we combine single-cell multi-omics sequencing with comparative genomics and evolutionary modeling across humans, primates and mammals.

You will join a multidisciplinary, highly collaborative lab and will have flexibility to address varied biological questions within our core project. The postdoctoral project will be developed in collaboration with the candidate to fit your skills and interests.

Read more about the lab: <https://research.pasteur.fr/en/team/comparative-functional-genomics/> Profile We are seeking an enthusiastic scientist with a strong computational background in genomics, population genetics, biostatistics, evolutionary biology or a related field. The

following skills will be an advantage: ——— Prior experience with large genomic datasets and/or -omics data analysis (RNA-seq, ChIP-seq, ATAC-seq, etc) ——— Prior experience with comparative or evolutionary genomics ——— Proficient coding in R and/or Python and experience with high-performance cluster computing ——— Excellent communication and organizational skills However, training can be offered in any of these skills as part of the Institut Pasteur training programs and in collaborations with other team members.

Funding The position is fully funded for 2 years with possibilities for extension. The lab benefits from excellent support thanks to an ERC Starting Grant and Institut Pasteur core funding. Salary will be commensurate to experience following the Institut Pasteur pay scale. Start date is flexible, but cannot be later than November 2023.

Environment The Berthelot lab is a G5 tenure-track group at Institut Pasteur, situated in the heart of Paris, France. We are part of the Genomes and Genetics department and have co-affiliations to the Developmental and Computational Biology departments, providing our lab members with diverse opportunities to collaborate and receive feedback. We offer an outstanding scientific environment, with access to state-of-the-art experimental and computational facilities, excellent technical support, a diverse network of collaborators, and an exciting international environment within the Institut Pasteur, one of the leading biomedical research institutions worldwide. We are also committed to providing our lab members with a supportive environment where creativity, openness and kindness are encouraged.

Apply Send a motivation letter with your CV, list of publications and the contact information of minimum two references to Camille Berthelot: camille.berthelot@pasteur.fr. Application reviews will begin immediately, until a suitable candidate is found. Latest deadline for applications is 15 April 2023. For any questions, please reach out to Camille.

Camille Berthelot Group Leader - Comparative Functional Genomics Institut Pasteur - CNRS UMR 3525 - INSERM UA12 25-28 rue du Docteur Roux, 75015 Paris, France e-mail: camille.berthelot@pasteur.fr

Camille Berthelot <camille.berthelot@pasteur.fr>

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London KewGardens GenomicsAdaptation

We are seeking a postdoc to help develop genomic analyses to understand the contribution of structural variants to the adaptation of trees to an invasive fungal pathogen. The data will be generated from samples from multiple UK populations of ash trees infected with ash dieback disease, with the help of a Research Assistant employed on the same project. The successful applicant will join a vibrant and supportive team of researchers employing cutting-edge genomic approaches.

We are seeking candidates holding a PhD or equivalent in a relevant research field (e.g. evolutionary biology, genomics, population genetics) and with expertise in the analysis of large genomic datasets and developing statistical models. Our ideal candidate will be a highly motivated team player, who can use their own initiative to develop solutions to complex analytical problems. They should have excellent communication skills, including the ability to present research findings to a range of stakeholders and to write scientific publications. Experience with genome-wide association analyses and/or the use of genomic prediction methods is desirable.

Details and application links here: <https://careers.kew.org/vacancy/postdoctoral-research-associate-521039.html> Informal enquiries: Dr Laura Kelly, Research Leader, Kew: l.kelly@kew.org or Prof Richard Nichols, Queen Mary University: r.a.nichols@qmul.ac.uk

Closing date 16/04/2023

RA Nichols <r.a.nichols@qmul.ac.uk>

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LundU Biodiversity

Postdoctoral Fellow in Biodiversity and Ecosystem Function (Lund University, Centre for Environmental and Climate research)

Lund University was founded in 1666 and is repeatedly

ranked among the world's top 100 universities. The University has 40 000 students and more than 8 000 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition. The Faculty of Science conducts research and education within Biology, Astronomy, Physics, Geosciences, Chemistry, Mathematics and Environmental Sciences. The Faculty is organized into nine departments, gathered in the northern campus area. The Faculty has approximately 1500 students, 330 PhD students and 700 employees. The Centre for Environmental and Climate Research, CEC (<http://www.cec.lu.se>) conducts research, education and communication on environmental science and climate research at Lund University.

The postdoctoral position is funded by BECC (Biodiversity and Ecosystem services in a Changing Climate), an interdisciplinary strategic research area based on collaboration between more than 250 researchers at the universities of Lund and Gothenburg. BECC develops research that contributes to the visualization and generation of knowledge to predict and manage the combined effect of climate change and land use on biodiversity, ecosystems and ecosystem services. BECC's strength is its existing and successful research leaders from many different disciplines such as biology, political science, geology, mathematics, physical geography and economics that together develop BECC. This research project entails a close collaboration with Richard Walters and Henrik Smith at Lund University and Lars Gamfeldt at the University of Gothenburg, which will entail a 3-month funded visit to the Department of Marine Science.

Understanding the role of biodiversity loss on ecosystem functions, and services in Sweden's forests under climate change

Global biodiversity declines are increasingly well documented and predicted to worsen under projected land-use and climate change. This has important implications for the wider society since biodiversity is known to underpin a wide range of ecosystem functions and associated services. However, forecasting the effects of environmental stressors on biodiversity, ecosystem function and ecosystem services is notoriously difficult due to a generally poor understanding of the causal relationships between them. To understand better why certain species respond to a given driver and what the consequences of a given loss could mean for ecosystem function, it is necessary to use trait-based and functional diversity approaches to infer underlying mechanisms. In this project, the post-doc will make use of long-term time-series data of species abundance for various taxa (primarily forest birds), corresponding trait

databases and alternative functional diversity metrics to fully evaluate the potential benefits and limitations of such approaches over traditional taxonomic analyses. The post-doc will explore the consequences of various land-management scenarios under climate change. The work will be performed in interaction with relevant stakeholders (representatives of land-owners and authorities) with respect to the feasibility of management scenarios and reliability and usability of biodiversity indices to evaluate success.

The applicant should have experience in statistical modelling, and knowledge of ecological interactions, ecosystem function and services within the wider context of biodiversity conservation.

Duties: - Preparation of large data sets for statistical analyses. - Implement statistical models to explore the links between biodiversity and ecosystem function using various trait-based approaches and functional diversity metrics. - Co-design with stakeholders of relevant environmental-management scenarios to investigate consequences of biodiversity loss in Swedish forests across both space and time.

Requirements: - Ph.D. in Environmental science/Ecology/Evolution or related field - Knowledge of ecological processes, community dynamics and biodiversity conservation. - Proficiency in data analysis and statistical modelling with experience in programming (coding simulations). - Proficiency in written and spoken English

It is a merit to have: - Demonstrable problem-solving skills and ability to transfer knowledge among fields/systems. - Experience using relevant R packages - Good communicative and collaborative skills. - A wider interest in climate change and conservation policy.

Eligibility Appointment to a post-doctoral position requires that the applicant has a PhD, or an international degree deemed equivalent to a PhD, within the subject of the position (e.g. Conservation, Ecology, Biology, Environmental Science).

Assessment criteria and other qualifications This is a career development

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MaxPlanck Cologne PlantGenomics

Ph.D. position

Fulgione Group

Max Planck Institute for Plant Breeding Research, Cologne, Germany

A postdoctoral position in plant population genetics and genomics is available under the supervision of Dr. Andrea Fulgione. The project is on the population genomics consequences of the evolution of mating strategies in the perennial plant *Arabis alpina*. The successful candidate will work on long-reads genome assemblies and pangenome graph, and use population genetics methods to study the evolution of transposable elements and structural variants. Further, in the group we have developed a large-scale collection of NGS whole-genome sequences, which can be used to further develop this project.

Candidates should hold a Ph.D. degree in a relevant field, preferably in genomics, population genetics, evolutionary biology, or bioinformatics. Experience in genome assembly, pangenome analyses, population genetics, bioinformatics, and/or plant sciences will be preferred. We strive to increase the proportion of women in science, so qualified women are particularly encouraged to apply for this position.

Please send your application in English to Andrea Fulgione (E-Mail: fulgione@mpipz.mpg.de), using as subject: "Application for postdoc position PRMS246". Include in the application your CV, a letter of motivation and research interests, relevant certificates (e.g., degree certificates) and the name, contact and affiliation of 2-3 referees. Please send your application documents until the 31 th of March 2023. The position is available as soon as a fitting candidate is found.

Contact: Dr. Andrea Fulgione, Max Planck Institute for Plant Breeding Research (MPIPZ), Department of Plant Developmental Biology, Cologne, Germany.

"Fulgione, Andrea" <fulgione@mpipz.mpg.de>

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MNH Sweden Two MetagenomicComputation

Postdoctoral Researchers in Metagenomics

We are looking to fill two, 2-year positions as Postdoctoral researcher in metagenomics. The postdocs will employed by the Swedish Museum of Natural History and be supervised by Dr. Tom van der Valk at the Centre for Palaeogenetics (palaeogenetics.com). The positions are funded by a Wallenberg fellowship in Data-Driven Life Science and aimed at investigating biodiversity changes through space and time using (ancient) environmental DNA.

Work tasks The postdocs will primary focus on the computational analyses of metagenomic DNA data obtained from complex samples (including snow, water, sediments, insect-traps and dental calculus). The aim is to develop computational tools that can identify species presence, as well as infer population genetic statistics from minute amounts of DNA. A wide variety of environmental samples and metagenomic sequence data is already present at the Centre for Paleogenetics, and the research projects will be adjusted according to the candidates main research interests. In addition, the postdocs will be encouraged to expand their research profile by developing their own new projects, applying for third-party funding and supervising students.

Qualifications The ideal candidate for these positions is a researcher with a PhD degree in genetics, biology, bioinformatics, or other relevant field. Strong knowledge of bioinformatics and computational genomics is essential, as is experience in handling sequence data using custom scripts and analysis pipelines. Additional relevant merits include: - Experience in population genomics and computational analysis of (ancient) genomic data. - Experience working in a Unix environment and strong programming skills (Bash, R, Python, Julia, etc.) - Experience in computational pipeline development (e.g. Nextflow or Snakemake)

Scope of employment Form of employment: Temporary employment Scope: Full-time (2-years) Application deadline: 31/03/2023

Contact Tom van der Valk Researcher 08-519 551 95 tom.vandervalk@nrm.se

Apply through the following link:
<https://recruit.visma.com/spa/public/>

apply?guidAssignment=f8f0beb7-15ea-48b3-9678-799c607cade1 Tom van der Valk
<Tom.vanderValk@nrm.se>

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OIST Japan Termite Evolution

Postdoctoral position on the evolution of termites in the Evolutionary Genomics Unit (Bourguignon) at OIST

Link: <https://www.oist.jp/careers/postdoctoral-position-evolution-termites-evolutionary-genomics-unit-bourguignon-oist> The position We seek a highly motivated postdoctoral researcher to join the Evolutionary Genomics Unit at OIST. We use next-generation sequencing technologies to study the evolution of termites, non-termite cockroaches, and their associated microbes. We have at the moment four main lines of research: (1) the evolution of termite genomes, which we study using 50 newly sequenced and annotated high-quality termite genomes; (2) the functional evolution of termite gut microbiota inferred using full gut prokaryote genomes reconstructed with PacBio HiFi long reads; (3) generating a worldwide complete phylogenetic tree of termites using recently collected samples and Museum samples; and (4) the evolution of the cockroach endosymbiont genomes, *Blattabacterium*. The successful candidate will develop and lead a project along one of these lines in the Unit (see <https://groups.oist.jp/egu>) and actively collaborate with other Unit members. Note that a large amount of data has already been generated and is readily available for analysis.

Responsibilities The successful candidate will take the lead role in the project. We expect Postdoctoral Researchers to collaborate with the PI and other unit members and to help supervise junior staff, Ph.D. students, rotation students, and interns.

Qualifications <required> -â.D. degree in ecology, evolution, genomics, bioinformatics, or -âand written English abilities* -âbioinformatic knowledge and experience with analyzing high-throughput sequencing datasets

<preferred> -âknowledge of insects -âknowledge of gut microbes

Compensation and Benefits In accordance with the OIST Employee Compensation Regulations

Benefits:

-â, housing, and commuting allowances -âpaid leave and summer holidays -âinsurance (Private School Mutual Aid) -âpension insurance (kousei-nenkin) -â's accident compensation insurance (roudousha-saigai-hoshou-hoken)

Starting Date As early as possible

Application Due Date 21 April 2023

Employment Term The employment is for three years with a trial period of one year.

Submission Documents A single pdf including: -âletter summarizing your research experience and interest in the position (1-2 pages) -âvitae -âand contact information of 3~5 referees, at least one of which should be a previous employer or Ph.D. adviser

How to apply: Apply by emailing your Submission Documents to: thomas.bourguignon@oist.jp

Declaration -âGraduate University is an equal opportunity, affirmative action educator and employer and is committed to increasing the diversity of its faculty, students and staff. The University strongly encourages applications from underrepresented groups. -âprovided by applicants or references will be kept confidential, documents will not be returned. All applicants will be notified regarding the status of their applications. -âview OIST policy for rules on external professional activities -âdetails about the University can be viewed on the OIST website www.oist.jp. *The Unit is composed of several foreign and Japanese researchers. While English is the dominant language in the lab, we don't expect new postdocs to speak English perfectly and with confidence. We encourage all researchers with good bioinformatic skills and eager to work on termites and cockroaches to consider applying.

Thomas.Bourguignon@oist.jp

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StockholmU GenomicsOfTemperatureAdaptation

Postdoctoral position in Genomics of Temperature Adaptation at Stockholm University, Sweden

Start date: as soon as possible Application date: 30 April 2023

We are looking for a postdoc to join our Yeast Evolution and Genomics lab at Stockholm University in Sweden. The applicant is encouraged to develop a project that harnesses the power of experimental evolution and genomics in the model system *Saccharomyces*, to address fundamental questions in evolutionary biology. Specific aims are to explore the genetic basis of adaptation to heat stress under relevant global warming scenarios, using long-term experimental evolution with eight yeast species from diverse ecological and geographic backgrounds, and functional validation of putative thermotolerance genes.

Applicants will have a strong interest in evolutionary processes, especially in adaptation mechanisms, and be familiar with the principles of quantitative and population genetics. Ideally, the candidate has experience in experimental evolution, molecular genetics/genomics, and bioinformatics. Prior training in experimentation with *Saccharomyces* yeast and strong quantitative skills are desirable. Applicants should be well-organized, self-motivated, good communicators, and happy to work in an international team. Applicants must hold a PhD in evolutionary biology or a similar subject. Starting date is as soon as possible. We can only consider applications sent through the official Stockholm University job platform: <https://tinyurl.com/2p8fjtkj> <<https://t.co/89FYr6iiWI>>

Relevant publication that uses similar approaches: doi.org/10.1093/molbev/msac242

Members of our lab are currently working on a range of topics including the effects of hybridization on rates and mechanisms of adaptation, the genetic basis of adaptation to environmental stress, epistasis, fitness landscapes, and speciation mechanisms. We use both experimental and theoretical approaches.

Candidates will benefit from training in a vibrant intellectual department with many opportunities for professional development. You will be part of a large collaborative lab, involving 8 researchers from 7 different countries. The position (100% research) is for 2 years with a possibility for extension. You will also be given the opportunity to teach undergrad courses.

The campus is located four metro stops from the centre of Stockholm, one of the most beautiful and dynamic European cities, surrounded by beautiful nature. Our campus is home to a vibrant scientific community, including the Science for Life Laboratory (a leading genomics core facility that we routinely use) and the Swedish Museum of Natural History featuring some specimens collected and labelled by Carl Linnaeus. Sweden is a free and open society, and one of the world's most innovative and research-positive nations. People here enjoy

a respected system of democracy and individual rights, freedom of speech, gender equality, a free press, and the right to scrutinize those in power. Most Swedes speak English very well. Stockholm University strives to be a workplace free from discrimination and with equal opportunities for all.

Further information about the position can be obtained from Rike Stelkens rike.stelkens@zoologi.su.se. Check out the lab website for recent news and more publications (stelkenslab.com).

Rike Stelkens Associate Professor / Wallenberg Fellow Population Genetics, Department of Zoology Stockholm University, Sweden

email: rike.stelkens@zoologi.su.se tel: +46 (0) 816 4223
lab website: stelkenslab.com

Rike Stelkens <rike.stelkens@zoologi.su.se>

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TechU Munich Two QuantGenetics PlantGenetics

The Chair of Plant Breeding at the Technical University of Munich / TUM School of Life Sciences invites applications for the position of a Quantitative Geneticist starting as soon as a suitable candidate is found.

Our research is focused on the development and application of statistical methods for genetic analyses. These methods are generally applied to very large experimental data sets and employed in computer simulations. The aim is to gain information on genetic factors underlying quantitative traits, making optimum use of native biodiversity and complementing our knowledge on genome diversity.

The successful applicant is expected to have:

§PhD in genetics, statistics, agriculture, biology, bioinformatics or related fields

§Strong interest in quantitative genetics, selection theory and statistics

§Programming skills, familiarity with the UNIX/LINUX operating environment

§Ability to independently solve problems

§Ability to work in a team and to collaborate with other research groups

We offer:

§An interdisciplinary working environment in a team of quantitative, statistical and molecular geneticists and bioinformaticians

§Active exchange and collaboration with partners from academia and industry in a field of constant technical and methodological development

§Advanced education in statistics, genetics and plant breeding in courses and summer schools

§Employment contract with the German public service salary TV-L E13 for an initial two-year period with the possibility of extension up to six years

The Technical University of Munich is committed to increasing the proportion of women in research and education and thus explicitly invites qualified female scientists to apply for this position. Preference will be given to disabled candidates with essentially the same qualifications.

Contact:

Applications with the usual supporting information (letter of motivation, CV, certificates, credentials, etc. in a single pdf file) should be sent to jobs.z7x.wz@tum.de, subject matter: "Research Scientist Quantitative Genetics 23.1". Application will be open until the position is filled. For more information please see: <https://www1.lis.tum.de/plantbreeding/> For questions related to the position and further background information please contact Dr. Ulrike Utans-Schneitz, Plant Breeding, TUM, utansschneitz@tum.de.

Data Protection Information:

As part of your application, you provide personal data to the Technical University of Munich (TUM). Please view our privacy policy on collecting and processing personal data in the course of the application process pursuant to Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at <https://portal.mytum.de/kompass/datenschutz/Bewerbung/>. By submitting your application, you confirm to have read and understood the data protection information provided by TUM.

The Chair of Plant Breeding at the Technical University of Munich / TUM School of Life Sciences invites applications for the position of a Plant Scientist starting as soon as a suitable candidate is found. The full-time position is limited to two years with the possibility of extension up to six years.

Research in the TUM plant breeding group is devoted to the genetic improvement of crops with a focus on tolerance to abiotic stress in maize. You will join a multi-

disciplinary research team working on discovering genes regulating quantitative traits in maize genetic resources. Unique biological resources, a large body of genomic, transcriptomic, and proteomic data are available at the chair through several large collaborative projects.

Research topics:

§Molecular mechanisms underlying the response of maize to abiotic stress (cold/drought/lodging)

§Functional characterization of candidate genes using genetic, physiological and molecular methods such as gene expression analyses, mutant analyses, map-based cloning, gene-gene and protein- protein networks

§Analysis of genomic, transcriptomic and proteomic data

The successful applicant is expected to have:

§PhD in biology, genetics, bioinformatics, crop science or related fields

§Strong interest in wet-lab and in silico approaches

§Training in molecular biology, genomics, and/or genome editing techniques are desirable, but not required

§Ability to solve problems independently and to work in a team

§Teaching experience is desirable, but not required

We offer:

§An interdisciplinary working environment in a team of molecular and quantitative geneticists

§Active exchange and collaboration with partners from academia and industry in a field of constant technical and methodological development

§Advanced education in genetics and plant breeding in courses and summer schools

§Employment contract with payment according to TV-L E13 for an initial

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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>

TelAvivU
ParasiteClimateAdaptation

How do parasites cope with extreme climate?

Postdoc position in Evolutionary ecology.

The position is available in the research group of Prof. Frida Ben-Ami, from Tel Aviv University, Israel (www.ben-ami.com), starting October 2023.

The research focuses on understanding the consequences of global warming and extreme weather conditions on the spread of diseases and the ecological significance of these changes. The work will be carried out using the model system *Daphnia*-microparasites (bacteria and microsporidia).

The successful candidate will use a combination of experimental evolution, field approaches and molecular work to generate new and refined predictions regarding the virulence of parasites that spread into new habitats.

Requirements

- Creative thinking
- PhD degree in biology
- Background in evolutionary biology or ecology - an advantage
- Analytical skills and good knowledge in statistics
- Communication and writing skills in English
- Good work ethics

Please send your application by email (all material in one PDF) to Frida Ben-Ami (frida@tauex.tau.ac.il). Applications should include a CV, a list of publications and a statement about research interests (motivation letter). Please provide names and email addresses of two persons who are willing to write a letter of recommendation. Application deadline is April 30, 2023.

Prof. Frida Ben-Ami | Life Sciences |

www.ben-ami.com Frida Ben-Ami
<frida@tauex.tau.ac.il>

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

UArkansas EvoDevo

Postdoctoral Fellow in Pollinator Evo-Devo at The University of Arkansas

The Westerman Lab at the University of Arkansas is seeking a Postdoctoral Fellow to investigate the evo-devo of butterfly vision and plant-pollinator interactions, to

begin as soon as Summer 2023. The Westerman Lab studies mechanisms underlying behavioral diversity and plasticity, with a focus on sensory system development and visual decision making in butterflies. We also examine plant-insect interactions. Current research topics include the role of genetics and social environment in mate preference development and evolution, behavioral and developmental plasticity, and sensory biases. The lab is an integrative animal behavior group, and integrates a wide range of techniques, including, but not limited to, genomics, transcriptomics, gene editing, controlled laboratory experiments, cell culture, and field ecology. Research incorporates both tropical butterflies and those native to Northwestern Arkansas, and takes advantage of multiple species-rich field sites within a 30-minute drive of campus. For more information, please visit the lab website at <http://www.ericawesterman.org>. The successful candidate will be expected to work in close collaboration with Dr. Westerman and current lab members, and will have the opportunity to develop an independent research project within the scope of the lab. In addition, the successful candidate will have the opportunity to mentor undergraduate and graduate students. Dr. Westerman has collaborations within the Biology Department, as well as with faculty in both the Entomology and Plant Pathology Department and the Physics Department at UARK, and is part of a university-wide UA Integrative Systems Neuroscience group (<https://brainresearch.uark.edu/>). Postdocs in the lab have the opportunity to work across discipline, and are encouraged to initiate and develop innovative collaborative projects.

This technically integrative lab embraces creative approaches to studying animal behavior. Candidates with a background in genomics, gene editing, molecular ecology, neuroethology, or evolutionary development, in addition to animal behavior and behavioral ecology, are encouraged to apply.

Funding is currently available to support this position for up to four years, with the possibility for extension depending on funding and project progress.

Minimum Qualifications:

Ph.D. in biological sciences or a related field conferred by the start of employment Demonstrated expertise in animal behavior, behavioral ecology, genomics, bioinformatics, gene editing, neuroethology, or evolutionary developmental biology techniques Experience with either multivariate statistics or statistical analysis of genomic data Demonstrated evidence of excellent writing skills

Preferred Qualifications:

Experience using CRISPR/Cas9 Experience in animal

behavior experimental design Experience in live animal husbandry Experience in field ecology Experience in cell culture

For a complete position announcement and information regarding how to apply, visit:

https://uasys.wd5.myworkdayjobs.com/-en-US/UASYS/job/Postdoctoral-Fellow-in-Biological-Sciences_R0034479-1?locations=-17a66cdad98201f7890cfb48ca00e249

Applicants must submit a cover letter/letter of application, curriculum vitae, and a two-page description of research accomplishments and future plans uploaded to the 'Other Document' link. Please also include a list of three professional references (name, title, email address, and contact number) willing to provide letters of reference.

Applications received by May 15th, 2023 will be given priority, though the position will remain open until filled.

For more information, please contact:

Dr. Erica Westerman

Associate Professor

Department of Biological Sciences

University of Arkansas

ewesterm@uark.edu

The University of Arkansas is an equal opportunity, affirmative action institution. The university welcomes applications without regard to age, race/color, gender (including pregnancy), national origin, disability, religion, marital or parental status, protected veteran status, military service, genetic information, sexual orientation or gender identity. Persons must have proof of legal authority to work in the United States on the first day of employment. All applicant information is subject to public disclosure under the Arkansas Freedom of Information Act.

Erica L. Westerman, PhD (she/her/hers)

Associate Professor Department of Biological Sciences
University of Arkansas Science & Engineering, Room 416 Fayetteville, AR 72701 ewesterm@uark.edu

<http://www.ericawesterman.org> Erica Lynn Westerman
<ewesterm@uark.edu>

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UBern Metacommunity Dynamics Microbiology

Three 100% funded PhD (3-4 years) or Postdoc (2+ years) positions are available in the establishing research group of Evolutionary Game Theory led by Professor Xiang-Yi Li Richter at the University of Bern, Switzerland. The positions are part of the Swiss National Science Foundation Starting Grants project "Integrating modeling and experiments to study species coexistence in metacommunities."

The specific PhD or Postdoc projects will be developed individually and should focus on using a combination of theoretical and empirical approaches to study how coexistence between interacting microbial species/strains can be maintained in spatially heterogeneous and temporally changing metacommunities, such as in soils, fermented foods, and the human gut and skin microbiota.

We aim to answer the following central questions: 1. How do higher-order multi-species biological interactions play out in heterogeneous spatial networks? 2. How do the dispersal network topology and dispersal rate influence the likelihood of coexistence? 3. Does the evolution of traits in each species promote or impede coexistence? Is coexistence more likely when the interacting species coevolve?

One of the three projects will focus on the empirical side, involving experiments with microorganisms (e.g., phage and bacteria interacting on dispersal networks formed by fungal hyphae). The other two projects will be mainly theoretical, involving mathematical modeling, computer simulations, statistics and data analysis.

<Your profile> Candidates must be highly motivated, creative, and able to work independently and collaboratively. Applicants from diverse scientific backgrounds (e.g., physics, mathematics, computer sciences, and biology) are encouraged. In their motivation letters, applicants from outside biology should state why they are interested in the study of ecology and evolution, and applicants from biology should state why they are interested in collaborating with theoreticians. In addition, candidates should explain how their study and research experience links to the central questions of the research project, and why they are interested in studying them. Candidates who intend to work on the empirical side need to have solid experimental skills to work in a mi-

crobiology lab. Candidates who intend to work on the theoretical side should have excellent mathematics and programming skills, and ideally, experience working on an HPC cluster.

Candidates need to have good written and spoken communication skills in English, which is the working language of our institute. For the PhD positions, a Master's degree is required. For the Postdoc positions, a PhD degree is required. The positions are open to applicants worldwide. We are committed to increasing diversity, equity, and inclusiveness in evolutionary biology and especially encourage applicants from underrepresented groups.

The desired starting dates are negotiable but ideally between September and December 2023.

<We offer> The gross salary is around 48K CHF per year for PhD students and 80K CHF per year for post-docs. We offer a stimulating research environment with access to high performance computation facilities, funding for presenting studies at international conferences at least once a year, and unlimited funding for publishing peer-reviewed articles in open access journals. The city of Bern is ideally located in the middle of Switzerland and Europe, and provides rich cultural and outdoor activities.

<Contact and application> For informal inquiries regarding the position and for submitting your application, please send an email to Prof. Xiang-Yi Li Richter at "xiangyi.li.richter@unibe.ch". The review of applications will start on March 1st, 2023 until the positions are filled. Applicants must submit one merged PDF file that includes a letter of motivation (max 2 pages), a CV, and names of two referees who have agreed to provide a letter of recommendation if contacted, and copies of relevant publications and/or preprints. Incomplete applications will not be considered.

Xiang-Yi Li Richter (Dr. rer. nat.) Institute of Biology University of Neuchâtel Rue Emile-Argand 11 CH-2000 Neuchâtel Switzerland

I work flexibly and do not expect a response or action outside of your own working hours.

xiangyi.li.richter@unibe.ch

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UBuffalo LamiaceaePhylogenomics

Position 1:

UBuffalo.PlantPhylogenomics

Postdoctoral Associate, Biological Sciences, LAMI-ACEAE PHYLOGENOMICS

An exciting opportunity for a Postdoctoral Research Fellowship is available in the research group of Dr.Charlotte Lindqvistin theDepartment of Biological Sciences, University at Buffalo. We are seeking applications for aPostdoctoral Associate to join a collaborativeNSF-fundedplant phylogenomic project (https://www.nsf.gov/awardsearch/showAward?AWD_ID=2139311). The project will utilize next-generation sequencing approaches involving targeted enrichment, whole genome sequencing, and broad taxonomic sampling, including both herbarium/living collections and field collections, to build a robust phylogenetic platform of lamioid mints (Lamioideae, Lamiaceae) and explore patterns of diversification and links to shifts in distribution, ecology, and genome dynamics. The Postdoctoral Associate will be based at the University at Buffalo but will collaborate closely with grant partners at the Missouri Western State University and an important aspect will be mentoring of undergraduate research at both institutions.

For more information and to apply, please see here: <https://www.ubjobs.buffalo.edu/postings/41333> As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employment practices due to an applicant's race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Contact: Charlotte Lindqvist, cl243@buffalo.edu

Position 2:

UBuffalo.Paleogenomics

Postdoctoral Associate, Biological Sciences, SEDIMENTARY PALEOGENOMICS

An exciting opportunity for a Postdoctoral Research Fellowship is available in the lab of Dr.Charlotte Lindqvistin theDepartment of Biological Sciences, University at Buffalo. We are seeking aPostdoctoral Associate in Paleogenomics as part of a highly interdisciplinary and collaborative project funded by a new 4-year National Science Foundation Understanding the Rules of

Life - Emergent Networks award (https://www.nsf.gov/awardsearch/showAward?AWD_ID=2221988). The project will study Late Pleistocene-Holocene climate change and ecological change during rapid warming events in Southeast Alaska, and the project team comprises biologists and geologists at the University at Buffalo with cross-disciplinary expertise in evolutionary biology, paleogenomics, ecology, geology, and paleoclimatology.

For more information and to apply, please see here: <https://www.ubjobs.buffalo.edu/postings/41359> As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employment practices due to an applicant's race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Contact: Charlotte Lindqvist, cl243@buffalo.edu

Charlotte Lindqvist <cl243@buffalo.edu>

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UBuffalo Paleogenomics

UBuffalo.Paleogenomics

Postdoctoral Associate, Biological Sciences, SEDIMENTARY PALEOGENOMICS

An exciting opportunity for a Postdoctoral Research Fellowship is available in the lab of Dr. Charlotte Lindqvist in the Department of Biological Sciences, University at Buffalo. We are seeking a Postdoctoral Associate in Paleogenomics as part of a highly interdisciplinary and collaborative project funded by a new 4-year National Science Foundation Understanding the Rules of Life - Emergent Networks award (https://www.nsf.gov/awardsearch/showAward?AWD_ID=3D2221988). The project will study Late Pleistocene-Holocene climate change and ecological change during rapid warming events in Southeast Alaska, and the project team comprises biologists and geologists at the University at Buffalo with cross-disciplinary expertise in evolutionary biology, paleogenomics, ecology, geology, and paleoclimatology.

For more information and to apply, please see here: <https://www.ubjobs.buffalo.edu/postings/41359> As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employ-

ment practices due to an applicant's race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Contact: Charlotte Lindqvist, cl243@buffalo.edu

Charlotte Lindqvist <cl243@buffalo.edu>

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UCalifornia Los Angeles Oak Conservation Genomics

The research group of Victoria Sork in the UCLA Department of Ecology and Evolutionary Biology seeks a Postdoctoral-Scholar in landscape/conservation genomics to inform recommendations on oak management and reserve design. This full-time position is eligible for a 2 year appointment, subject to satisfactory work performance review after one year. The position can start as early as April 2023 (negotiable).

In collaboration with The Nature Conservancy, this project will utilize landscape genomics to assess vulnerability of oak populations to climate change and use this information to inform management of oak populations and TNC reserves. The post-doc will analyze whole genome sequence data for trees sampled throughout the species range of two California oak species: coast live oak and blue oak. Ideally, the successful candidate will participate in all aspects of the project: sample design, DNA preparation, bioinformatic analyses of the sequences returned from core facility, landscape genomic statistics, and manuscript preparation and authorship. They will also have opportunities to interact with other post-docs and collaborators on a broad range of genomic, evolutionary, and conservation topics, ranging from epigenetics and gene expression to functional traits to climate modeling???all related to the ability of trees to respond and adapt to climate change.

Qualifications: * Ph.D. in biology, ecology, environmental science, evolutionary biology, geography, or conservation science with expertise in landscape or conservation genomics. * Demonstrated computational and statistical experience related to the project. * Good writing skills and demonstrated experience with peer-reviewed publishing * Ability to work independently and also collaboratively

Application: Candidates should submit the documents below to <https://recruit.apo.ucla.edu/JPF08152>: *

Cover letter that includes the following information: (i) short personal statement describing your motivation and experience relevant to this landscape genomic position; (ii) specific computational or statistical skills relevant to research; (iii) contact information for three referees. * Curriculum Vita * Statement of research that includes specific research interests and conservation genomic expertise * EDI statement summarizing your efforts and interest to promote equity, diversity, and inclusion * PDFs of 1-3 publications

Please direct nominations, inquiries, or interest in the position to Prof. Victoria Sork at vsork@ucla.edu. Review of applications will begin immediately and continue until filled.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination and Affirmative Action Policy (<http://policy.ucop.edu/doc/4000376/-NondiscrimAffirmAct>)

“Sork, Victoria” <vsork@ucla.edu>

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UCollege London DeuterostomePhylogenetics

PLEASE FORWARD TO SUITABLE CANDIDATES.
MANY THANKS!

A 34 month postdoctoral fellowship funded by the Leverhulme Trust to work with Professors Max Telford and Ziheng Yang at UCL in the area of animal phylogenetics. Collaboration also with Paschalia Kapli.

The successful candidate will build on work published in 2021 that demonstrates the surprising difficulty in resolving the relationships between the main groups of the Bilateria - chordates, ambulacrarians and protostomes ??? representing the great majority of animals.

You will have good computational biology skills. You will collect and curate genome-scale datasets, conduct computer simulations, develop new classes of phylogenetic characters from genomic data, test hypotheses and

help write up results for publication in international peer-reviewed journals.

For a sample of our recent work in this area, please see Kapli et al. (2021) *Sci Adv* 7(12); Kapli et al (2021) *Curr. Biol.* 31:59-64; Kapli + Telford *Sci Adv* (2020) 6(50).

The post is funded by the Leverhulme Trust and is an open-ended contract with a funding end date of 31/03/2026 in the first instance. The post is available immediately.

<https://www.jobs.ac.uk/job/CYK582/research-fellow>
Max Telford

Jodrell Professor of Zoology and Comparative Anatomy
Department of Genetics, Evolution and Environment,
University College London, Darwin Building,
Gower Street, London WC1E 6BT, UK.
Tel: +44 (0)20 7679 2554 (Internal: 32554) Fax:
+44 (0)20 7679 7096 <http://www.ucl.ac.uk/biology/-academic-staff/telford/telford.html> “Telford, Max”
<m.telford@ucl.ac.uk>

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UEdinburgh MouseEpigenetics

Post Doc position available in the lab of Tom Little and Amy Pedersen at the University of Edinburgh. It is a three year post starting ~March 2023 (negotiable) deploying epigenetic clocks to wild wood mice. The overall aim of the project is to identify environmental drivers of rapid (or slow) senescence, and is funded by the NERC. Our wood mouse system is a unique ‘wild-but-experimental’ system that brings some novelty to the field of ageing research.

The position is suitable for candidates with an interest in ageing, the evolution of ageing, methylation or the general life history of wild animals. Disease ecology is a secondary but important aspect of this project. You don’t need specific experience in these areas, but certainly need enthusiasm for some of them. Any experience trapping wild rodents would help, but training will be provided. Willingness to do field work, enjoying authentic Scottish weather, is important.

Official U of Edinburgh ad: <https://tinyurl.com/-c4bv7ame> < <https://t.co/Cko7Ey1Ehh> >

Informal enquiries to tom.little@ed.ac.uk

Further info at:

<https://littlelab.bio.ed.ac.uk/index.html> <https://pedersen.bio.ed.ac.uk> <https://www.ed.ac.uk/biology/ecology-evolution> The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th' ann an Oilthigh Dh'Àrd-Ìdeann, clàraichte an Alba, àireamh clàraidh SC005336.

Thomas Little <Tom.Little@ed.ac.uk>

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UEdinburgh ParasiteImpactsOnRedDeer

A 30-month Leverhulme Trust-funded Postdoctoral Research Associate position is available to investigate the causes and consequences of variation in helminth parasites in red deer using data from the individually-monitored red deer on the Isle of Rum. The study will include analyses of social networks and environmental variables and has the ultimate aim of understanding whether parasites impact deer density in time and space. The research is led by Prof J. Pemberton at the Institute of Ecology and Evolution in the University of Edinburgh's School of Biological Sciences, in collaboration with Dr. Greg Albery (Georgetown University, USA).

Further details and application process at: <https://tinyurl.com/5b9acykc> Prof JM Pemberton Institute of Ecology and Evolution School of Biological Sciences University of Edinburgh EH9 3FL

+ 44 131 650 5505

The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th' ann an Oilthigh Dh'Àrd-Ìdeann, clàraichte an Alba, àireamh clàraidh SC005336.

Josephine Pemberton <J.Pemberton@ed.ac.uk>

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UEdinburgh ResFellow EvolBiology

The Institute of Ecology and Evolution (IEE), in the School of Biological Sciences (SBS) at the University of Edinburgh is looking to identify candidates whose research interests synergise with the existing research strengths of SBS (<https://www.ed.ac.uk/biology/research>) and IEE (<https://www.ed.ac.uk/biology/ecology-evolution>) to support in applying for independent fellowship schemes.

Independent Fellows play a key role within the Institute of Ecology and Evolution (IEE), in the School of Biological Sciences (SBS) at the University of Edinburgh. Fellows are considered as PI level, eligible (and encouraged) to supervise research students, and fully involved in all aspects of decision making in the institute. Many of our current staff are on fellowships, and the record of our Fellows being retained to permanent positions at the end of their Fellowships is exceptional. SBS provides a world class intellectual environment, with state-of-the-art facilities where Fellows are supported to achieve their potential.

We are able to support two candidates each year. Supported candidates will be assigned an experienced mentor to help navigate the processes involved in making fellowship applications, and can apply for any number of fellowships during their period of support. Those who succeed in securing an independent fellowship are automatically eligible for retention and benefit from a well-structured career development programme. A list of schemes that require Institute support can be found below.

How to apply 1) Submit your papers by email by the deadline indicated below. Papers include a. CV. This should include your education history, employment, publication record, conference presentations and other measures of esteem. Formal references are not required. b. 2-page research statement. This should give a sense of your contributions to date, your research plans and longer-term goals, and how your research will add to our Institute and fit with the School of Biological Sciences strategy. c. 1-page cover letter. This should explain why you have chosen IEE and SBS, which fellowship competitions you intend to apply to, and how you will contribute to a diverse and inclusive culture. 2) We will invite shortlisted applicants to an online symposium to present their research and plans, and chat to relevant

members. 3) Successful applicants will be invited to visit in person before being given final approval and supported to develop applications.

Timeline Deadline to submit applications to institute: 1st April 5pm GMT Submit to: IEEHead@ed.ac.uk

Shortlisted applicants notified: Late April

Competition - Online symposium for shortlisted applicants to pitch their research and 'meet' institute: May 25th -26th

Decisions notified, sponsors suggested, and opportunity for successful applicants to visit in institute in person: Before June 5th

Final acceptance ratified and support for funding applications begins: Late June

Independent fellowship schemes that require institute support - Wellcome Trust - Career Development Award - NERC - Independent Research Fellowship - MRC-Career Development Award & Senior Non-Clinical Fellowship - Royal Society - University Research & Dorothy Hodgkin - ERC - Starter & Consolidator - Branco-Weiss Foundation Fellowship

Note, that Future Leaders Fellowship (FLF) applications are selected via a different process. For informal enquiries relating to support for the above fellowship schemes as well as for FLFs, please contact Nick Colegrave (IEEHead@ed.ac.uk).

The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th' ann an Oilthigh Dh'Àrd Ìdeann, clàraichte an Alba, àireamh clàraidh SC005336.

Katerina Guschanski <Katerina.Guschanski@ed.ac.uk>

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UFlorence DNABarcoding

Postdoctoral /research assistant position: Large-scale DNA barcoding for completing the inventory of European biodiversity and providing the foundations of a global bio-surveillance system for biodiversity.

A postdoctoral/research assistant position is available in Sara Fratini's lab at the Department of Biology, University of Florence, Italy, within the frame of the Project BGE-Biodiversity Genomics Europe project - funded in the call HORIZON-CL6-2021-BIODIV-01. In particular,

the candidate will develop DNA barcoding libraries of European species working with fresh materials, belonging to terrestrial, freshwater and marine species. Good knowledge of traditional and advanced biomolecular techniques is highly desirable.

Habitat degradation and climate change are among the main causes of the increasing global loss of biodiversity worldwide. Addressing the global biodiversity crisis requires accurately recognizing the diversity of life on earth so that we can develop monitoring systems to track over time how biodiversity responds to different environmental pressures. In this context, the development of accurate and extensive barcoding libraries including the largest number of taxa, from different environments will help record biodiversity patterns. The development of barcode libraries will be based on next-generation sequencing techniques (PacBio Sequel IIe).

The deadline of the call is 25 January 2023, and the online submission system is here: <https://stlabtest.dinfo.unifi.it/beta/akademia-candidature>. Complete information on the call can be found here:

<https://titulus.unifi.it/albo/viewer?view=-files%2F004849044-UNFICLE-01d9fee4-0b07-442c-b875-17351549642d-000.pdf> and here <https://stlabtest.dinfo.unifi.it/beta/akademia-candidature/>

For any additional information, feel free to contact Sara Fratini: sara.fratini@unifi.it

Sara Fratini <sara.fratini@unifi.it>

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UHongKong TreePopGenomics

SCHOOL OF BIOLOGICAL SCIENCES THE UNIVERSITY OF HONG KONG

SENIOR RESEARCH ASSISTANT POSITION

POPULATION GENOMICS OF INCENSE TREE IN HONG KONG

POSITION: A Senior Research Assistant position is available in botanical genomics under the supervision of Prof. Juha Merilä & Dr Billy Hau. We welcome both local and international applicants to apply. The position is for 1 year and the desired starting date is Feb. or Mar. 2023. The position is fully funded both from an employment and research perspective and comes with a highly competitive salary (HK\$ 27,000.00 - 35,500.00)

p.m.).

PROJECT: *Aquilaria sinensis*, known as the “Chinese Incense Tree”, is a tree with fragrant wood (Agarwood) that produces a resin when injured that is used in perfumery. Demand for Agarwood has meant it is highly valuable and thus poaching of *A. sinensis* is pushing wild populations to extinction. The aim is to investigate the population genomics of Incense Trees using next generation sequencing data and population genomic approaches to assist government by: 1) Helping to create a literature review summarising knowledge from genetic studies. 2) Enriching the existing genetic database of Incense Trees with further data. 3) Developing genomic methods that can help identify the origin of *A. sinensis* harvested in Hong Kong for legal and court evidence.

RESPONSIBILITIES - DNA extractions, qubit-ing/nanodropping, etc. - Population-genetic analyses of the genomic data. - Writing and publishing research articles and reports. - Presenting at local conferences.

REQUIREMENTS - A postgraduate degree (MSc or PhD). - Proof of good writing skills (preference for those with publications). - Experience with DNA extractions. - Experience with cluster computing (preference for those with scripting experience in genomic analyses/pipelines). - History or interest in botanical genomics.

TO APPLY: Send a motivational letter + CV to merila@hku.hk Applications will be considered until a suitable candidate is selected. For more information on the position/project please feel free to email Prof. Merilä (merila@hku.hk).

Francis Sands <francis.sands@yahoo.com>

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UKansas DissectingComplexTraits

A postdoc position is available in my lab at KU to work on any of a number of quantitative/evolutionary genomics projects that use flies to understand and dissect complex trait variation. Projects emphasize the *Drosophila* Synthetic Population Resource (DSPR) that my group continues to develop. The formal job announcement, and links to the institutional employment website are provided below. Feel free to email me with any questions about the position; I'm happy to talk more about possible projects. Stuart Macdonald (sj-mac@ku.edu)

Position Overview: The Macdonald group (<https://molecularbiosciences.ku.edu/people/stuart-j-macdonald>) uses a range of genetic, genomic and molecular technologies to dissect the genetic basis of complex phenotypic variation using *Drosophila* as a model system. We are also leading the development of the *Drosophila* Synthetic Population Resource (DSPR, <https://pubmed.ncbi.nlm.nih.gov/22496517>) in collaboration with Tony Long's group at UC Irvine. As part of the ongoing DSPR project (<https://reporter.nih.gov/project-details/10564298>) we aim to expand the utility of the resource for the fly community, explore novel powerful methods for QTL mapping (<https://pubmed.ncbi.nlm.nih.gov/35100395>), and examine the genetic basis of regulatory variation over time, focusing on the response to infection. The breadth of the project, and depth of the data we are collecting, allows for a range of questions to be addressed, providing the opportunity for the successful candidate to position themselves as an independent investigator. The position is funded through a multi-year NIH grant and has an anticipated start date of 5 June 2023 (although this is flexible).

Job Description: 50% - Carry out primary research to understand the genetic basis of complex trait variation in *Drosophila*. A range of projects are possible using an array of approaches, from those that are heavily focused on the quantitative genetics of trait variation (e.g., identifying QTL for traits of interest), to those that focus on genomics approaches and are more computational in scope (e.g., RNAseq-based eQTL mapping). 20% - Present research results in scientific journals and at conferences/symposia. 15% - Work with other members of the research group to develop and execute collaborative projects. 10% - Help mentor and train junior researchers (graduate students, undergraduates). 5% - Pursue non-research professional development activities to advance your career goals.

Required Qualifications: (1) A PhD in evolution, genetics, genomics, or a related field. (2) A first-author publication/preprint that demonstrates experience initiating and executing a research project. (3) Experience with molecular/population/quantitative genetics, as evidenced by application materials and/or publications. (4) Previous experience with coding/scripting (e.g., R, Python) as evidenced by application materials.

Preferred Qualifications: (1) Prior experience with *Drosophila* as an experimental system. (2) Experience working with genomic datasets resulting from next-generation sequencing applications (e.g., whole genome sequencing, RNAseq). (3) Experience working with undergraduates or other researchers in a team setting.

Application:

For a complete announcement and to apply online, go to employment.ku.edu/staff/24637BR

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

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

Review of applications will begin on April 10, 2023 and will continue until the position is filled.

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in the university's programs and activities. Retaliation is also prohibited by university policy. The following persons have been designated to handle inquiries regarding the nondiscrimination policies and are the Title IX coordinators for their respective campuses: Director of the Office of Civil Rights & Title IX, civilrights@ku.edu, Room 1082, Dole Human Development Center, 1000 Sunnyside Avenue, Lawrence, KS 66045, 785-864-6414, 711 TTY (for the Lawrence, Edwards, Parsons, Yoder, and

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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>

UMass Amherst FishEvolution

Dear Colleagues,

We have an opportunity for a postdoctoral researcher to join our team at UMass Amherst leveraging whole genome resequencing data to address research questions on the ecology, evolution and conservation of Golden Dorado (*Salminus brasiliensis*) across their geographic range in South America, with opportunities to develop additional projects broadly on molecu-

lar ecology and population genomics in various other freshwater and marine fishes. Depending on skills and interests, this could include, but is not limited to, research questions on landscape genomics, comparative genomics, ecological adaptation, and conservation genomics. Full job description can be found here: <https://lmmkomoroske.files.wordpress.com/2023/03/umass-golden-dorado-genomics-postdoc-ad.pdf> We will begin reviewing applications March 27th.

Respectfully, Lisa Komoroske

lkomoroske@umass.edu

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UMissouri StLouis InsectDiversity

Postdoctoral Position - Insect diversity

The Social Insect Diversity Lab (Miller Lab) at the University of Missouri - St. Louis is recruiting a postdoctoral candidate with interests in insect evolutionary ecology, phenotypic diversity, or population genomics. The lab focuses on the interaction between sociality and diversification in paper wasps (genus: *Polistes*). Paper wasps have a wide diversity of cooperation rates, face and body coloration, size, and chromosome number, making this a fascinating group for exploring the evolution of diversity. Potential projects will build upon existing datasets including extensive population genetics data and large image datasets. We are a new lab open to applicants pursuing a wide variety of research questions depending on your interest and background. More information can be found on our website (<https://sara-miller.weebly.com>)

Funding is available for one year with a possible extension depending upon satisfactory job performance. Candidates interested in applying for the NSF-PRFB or fellowships with the Living Earth Collaborative (<https://livingearthcollaborative.wustl.edu/>) are especially encouraged to apply.

Qualifications: Applicants must have a Ph.D. and expertise in comparative genomics, population genetics, or image analysis. Experience with big data, population genetics/genomics, R programming language, phylogenetics, or other bioinformatic pipelines is a plus but not required.

Interested candidates should send a CV and an intro-

ductory email to Dr. Sara Miller (semiller@umsl.edu). Start date is flexible, with a preference for summer-fall 2023. A partially remote position may be considered for exceptional motivated candidates.

About the Department: The UMSL Biology Department is home to the Whitney R. Harris World Ecology Center. The department has collegial and active research programs in ecology, evolution, and behavior, supporting and promoting research in biology and biodiversity throughout the world. Students and faculty interact with the vibrant St. Louis scientific community through connections with the St. Louis Zoo, Missouri Botanical Garden, and the Living Earth Collaborative at Washington University. UMSL is a diverse urban public university and applicants from all backgrounds are encouraged to apply. St. Louis consistently ranks as one of the most affordable metro areas and one of the best regions for new college graduates.

“Miller, Sara” <semiller@umsl.edu>

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UMontpellier Plant Genomics

Postdoc: UMontpellier.PlantAdaptation

2 YEARS POSTDOCTORAL RESEARCH SCIENTISTS ON PLANT GENOMIC

We are looking for a postdoctoral researcher with experience in quantitative genetics and Genome Wide Association studies for investigating the mechanisms of adaptation associated with adaptive introgression in an African crop, pearl millet. Genomic and phenotypic datasets are already available. The postdoc will be in charge of genome wide association analyses from 180 traditional varieties characterized for 11 agronomic traits under stress conditions.

The position will be based at IRD (French national research institute for sustainable development), in Montpellier, France. The postdoc will closely work with Cécile Berthouly-Salazar, Philippe Cubry and Yves Vigouroux (IRD, Univ of Montpellier).

Condition to apply: The applicant must hold a doctorate for less than three years and who will have defended their thesis before 30 September 2023. The candidate will have to apply at the IRD post-doctoral funding before the 31 MARCH. For more information

on the funding process : <https://en.ird.fr/fifteen-post-doctoral-contracts-available-ird> To apply please send 1) a cover letter 2) CV with a list of three references to cecile.berthouly@ird.fr, philippe.cubry@ird.fr and yves.vigouroux@ird.fr Information about the different positions: cecile.berthouly@ird.fr

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

Cécile BERTHOULY <cecile.berthouly@ird.fr>

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UMontpellier Plant Populations Genomics

postdoc: UMontpellier.PlantPopulationsGenomics

POSTDOCTORAL RESEARCH SCIENTISTS ON PLANT POPULATION GENOMICS

A postdoctoral positions are open at IRD/University of Montpellier to work on plant population genomics in collaboration with Yves Vigouroux, and Olivier Franiçois.

A position to work on plant genomic vulnerability to climate changes (24 months) mentor by O Franiçois & Y Vigouroux Funded under an ANR project, the position will explore plant diversity and adaptation to different climate, assess vulnerability to future climate and assess mitigation strategy.

We seek independent and motivated candidates with experience in genetics, genomics, next-generation sequencing data, and bioinformatics. A PhD in genetics, bioinformatics, or a related field is required. A background in population genetics and with analysis of large-scale genomic data is needed. An ability to work in collaboration is required. This position is available in september 2023.

To apply please send 1) a cover letter 2) CV with a list of three references to yves.vigouroux@ird.fr, or Olivier.francois@imag.fr

Information about the different positions: yves.vigouroux@ird.fr

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

“yves.vigouroux@ird.fr” <yves.vigouroux@ird.fr>

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

UMunich Computational Transcriptomics

Postdoctoral or Research Scientist Positions (f/m/d) in computational single cell & spatial transcriptomics/computational biomedicine Ludwig-Maximilians-Universität (LMU) München is recognized as one of Europe's premier academic and research institutions. The Gene Center is a central scientific institution of the LMU located in the heart of its Life Science Campus in Großhadern. The research group of Professor Johanna Klughammer [https://www.genzentrum.uni-muenchen.de/research-groups/klughammer/group-members/klughammer_johanna/index.html] at the Gene Center, LMU Munich, Germany, offers a Postdoctoral or Research Scientist Positions (f/m/d) in computational single cell & spatial transcriptomics / computational biomedicine

Positions are available immediately but there is some flexibility in the start date.

Our research We are working towards improving our understanding of the regulatory landscape of cellular systems in health and disease across immunology, cancer biology, and evolution using high-dimensional molecular data (e.g. single cell and spatial transcriptomics, epigenomics). The analysis and integration of existing and new cutting-edge data sets, as well as the development of new computational tools to more efficiently and comprehensively leverage the ever-increasing wealth of data are a corner-stone of the lab's efforts. Complementarily, we use and streamline single-cell & spatial-transcriptomics technologies towards the efficient profiling of clinical samples and in vitro systems including organoids.

You will find more information on: <https://www.genzentrum.uni-muenchen.de/research-groups/klughammer/index.html> Your qualification - PhD in computational biology, bioinformatics, data science, physics or other related quantitative field - Documented proficiency in the analysis and interpretation of large (high-dimensional) data-sets including reproducible workflows and adequate data management - Solid programming skills in Python, R, or C++, as well as version control (git/github) and compute environment management (e.g. conda) - Prior experience with next-generation sequencing data and a good understanding of omics experiments - Good knowledge in

immunology or biomedicine is a plus - Good science communication (presentation, writing) - Ability to work independently and collaboratively with colleagues from different disciplines - Proactive attitude and enthusiasm for research - Fluent written and spoken English

Our offer You will be working in an enthusiastic, multi-disciplinary team comprising computational and wet-lab scientists with an equal focus on scientific excellence and inter-personal competence. You will have the opportunity to work on and lead cutting-edge projects that involve state-of-the art single-cell and spatial transcriptomics data-sets, development of analysis strategies and tools, and ultimately the generation of biomedical insight. There is ample room to contribute and strengthen your own scientific interests as well as grow as a scientist. As part of our group at the Gene Center of the LMU you will find excellent scientific working conditions including state-of-the art computational resources with access to the LRZ as well as local high-performance clusters featuring CPU and GPU resources, computational as well as biomedical expertise, and access to high-profile consortia such as the collaborative research center "Nucleic acid immunity" (<https://www.trr237.uni-bonn.de/en>). The position is (initially) limited to two years, with the possibility of extension. The salary is determined by experience according to the German public sector pay scale TV-L.

Your application Please send your application consisting of a cover letter and a curriculum vitae to klughammer@genzentrum.lmu.de The University of Munich is an equal opportunity employer. Handicapped candidates with equal qualifications will be given preference. Please note that data transmission via the internet is essentially unsecured. There is a possibility that transmitted data can be read and perhaps even falsified by unauthorized persons.

Dr. Timothy J.S. Ramnarine Postdoctoral Researcher AG Klughammer Gene Center and Department of Biochemistry Ludwig-Maximilians-Universität München Feodor-Lynen-Straße 25 81377 Munich Germany Tel.:+49 (0)89 2180 - 71031

"Ramnarine, Timothy" <Ramnarine@genzentrum.lmu.de>
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UOslo EvolGenetics Evolvability Venom

Postdoctoral Research Fellow in evolutionary genetics of venom

We are searching for a Postdoctoral Research Fellow to run an evolutionary genetics experiment studying the molecular genetic underpinnings of evolvability using venom as a model. The fellowship will be for a period of three years and is affiliated with the Centre for Ecological and Evolutionary Synthesis at the University of Oslo Department of Biosciences.

The person will be working in the Undheim group, where we are interested in questions in evolutionary biology that relate to how evolutionary innovations and novelties emerge and how they interact across levels of biological complexity. As relatively simple complex traits, venoms offer unique opportunities for studying molecular mechanisms underlying the ability of traits to respond to selection, i.e. their evolvability, which is currently a major focus of the group.

The successful candidate will be working mainly on the microevolutionary aspect of evolvability, studying the effects of trait integration and mutations on the evolvability and population-level divergence of venom and venom-associated molecular traits. The person will work in the interface between molecular evolution, evolutionary bioinformatics, and evolutionary quantitative genetics and use approaches such as analyses of venom- and non-venom-associated transcriptomic expression traits, venomics-guided gene regulatory network analyses, and analyses of mutation-accumulation experiments. Sampling and data analyses will be primarily based on from already collected samples or in-house lab cultures of lacewings, but the person will also have the opportunity to contribute to field-collection and breeding of lacewings as well as be involved in other aspects of studying venom evolvability.

The project will also involve collaboration with Prof. Thomas Hansen (CEES, UiO, Norway), Prof. Christophe Pélabon (NTNU, Norway), as well as other research groups both nationally and internationally.

We offer

- Salary NOK 544 400 - 563 500 per annum depending on qualifications in position as Postdoctoral Research Fellowship (position code 1352) - Attractive welfare ben-

efits and a generous pension agreement - Professionally stimulating working environment - Vibrant international academic environment - Postdoctoral development programmes - Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

Application deadline is 16th of April 2023, and preferred starting date is no later than 1st of September 2023.

For more information and instructions on how to apply, visit: <https://www.jobbnorge.no/en/-available-jobs/job/242265/postdoctoral-research-fellow-in-evolutionary-genetics-of-venom> For any other questions, please email

Eivind Undheim: e.a.b.undheim@ibv.uio.no

Eivind Andreas Baste Undheim
<e.a.b.undheim@ibv.uio.no>

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UParisSaclay ExperimentalEvolution

A post-doctoral researcher position (12 month, renewable once) is available to work in collaboration with both of our groups from June 2023.

The objective of this post-doctoral project is to design, run, and analyze a series of experimental evolution studies in which different environmental factors (such as temperature, food, or chemicals) are manipulated to distinguish the roles of adaptation, plasticity, and genetic constraints on the evolution of the transcriptome.

We are looking for a motivated early career evolutionary biologist, with a PhD degree obtained after 2018. Previous experience with experimental evolution would be appreciated, including lab work with micro/macro-organisms, basic molecular biology (DNA and RNA extraction), population genetics, and bioinformatics skills.

The position will be part of a 3-year project funded by the French National Research Agency (ANR). The small research consortium includes 2 PIs (Arnaud Le Rouzic and Anne Genissel), a PhD Student, an ANR-funded technician, and the current post-doc. This project aims at understanding and predicting the evolution of transcriptomes under stable and fluctuating selection combining both theoretical and empirical approaches. The post-doc will be co-advised by both PIs. He/she will be formally based at EGCE (Institute for Ecology and

Evolution, IDEEV), and will perform the experimental work at BIOGER (Agro-Campus). Both institutes offer an exciting and active scientific life; they are located 3 km apart, on the new research campus of Paris-Saclay, 35 km south of Paris.

Full project description:

http://www.egce.cnrs-gif.fr/wp-content/uploads/2023/03/Ad_EN.1.0.pdf Application web site:

<https://emploi.cnrs.fr/Offres/CDD/UMR9191-ARNLER-003/Default.aspx?lang=EN> Informal inquiries to:

arnaud.le-rouzic@universite-paris-saclay.fr
anne.genissel@inrae.fr

Arnaud LE ROUZIC CNRS Researcher IDEEV - EGCE
12 Route 128 [<http://www.universite-paris-saclay.fr/>]
91190 Gif-sur-Yvette

Arnaud Le Rouzic <arnaud.le-rouzic@universite-paris-saclay.fr>

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UPennsylvania EvolutionaryCellBiology

Postdoc opportunity studying genetic conflict, chromosome biology, and the early embryo

The Levine Lab at the University of Pennsylvania (<https://web.sas.upenn.edu/levine-lab/>) is recruiting postdoctoral research scientists. Our lab integrates evolutionary genetics and cell biology to investigate genetic conflict between host genomes and their selfish genetic elements. We study how these 'molecular arms races' shape chromosome stability and genome evolution. *Drosophila* is our primary model.

The Levine Lab is housed in UPenn's Department of Biology (www.bio.upenn.edu), a diverse, interactive community with breadth and depth in evolutionary genetics and genomics, cell biology, and molecular genetics. The Levine Lab is also a core member of the Epigenetics Institute at the Perelman School of Medicine (<https://hosting.med.upenn.edu/epigenetics/>), a group of 30+ lab groups dedicated to mechanistic dissection of epigenetic regulation and inheritance in healthy and disease states. The Levine Lab is also a core member of the Penn Center for Genome Integrity at the Perelman School of

Medicine (<https://www.med.upenn.edu/pcgi/>).

The Levine Lab aims to recruit applicants with a PhD in either evolutionary genetics/genomics (but motivated to learn molecular and cell biology) OR in chromosome biology (but motivated to learn evolutionary genomics). Please send a cover letter that includes a description of how you envision integrating into our research goals, a CV, and a list of three references as a single PDF to m.levine [at] sas.upenn.edu, subject: "Postdoc opportunity." Applications will be reviewed starting April 15th.

Mia Levine, PhD Associate Professor Department of Biology Epigenetics Institute Penn Center for Genome Integrity University of Pennsylvania 204B Carolyn Lynch Laboratories 433 South University Avenue Philadelphia, PA 19104-6018 m.levine@sas.upenn.edu 215-573-9709

"Levine, Mia Tauna" <m.levine@sas.upenn.edu>

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UppsalaU Biodiversity

2-year, fully-funded postdoc position opening at the Biodiversity Data Lab (<https://www.biodivlab.com>) at Uppsala University.

Please forward the ad to any potential candidates with a metabarcoding / environmental DNA background. The position will be focused on exploring the utility of different environmental DNA sampling techniques for assessing biodiversity. We will use these assessments to quantify biodiversity responses to external impacts, such as different forestry management techniques. We will mostly focus on soil samples and will assess the diversity of multiple taxonomic groups, but with a focus on (species-rich) groups of fungi and insects.

Application deadline: March 31st! Apply here: <https://www.uu.se/en/about-uu/join-us/details/-?positionId=606464> Best, Tobias

Tobias Andermann, PhD Assistant professor Data-Driven Life Sciences Fellow

Department of Organismal Biology SciLifeLab Uppsala University Sweden

tobias.andermann@ebc.uu.se +46 76 090 1106
github.com/tandermann Google Scholar profile

Niç½r du har kontakt med oss p½r Uppsala univer-

sitet med e-post så innebär det att vi behandlar dina personuppgifter. För att läsa mer om hur vi gör det kan du läsa här: <http://www.uu.se/om-uu/dataskydd-personuppgifter/> E-mailing Uppsala University means that we will process your personal data. For more information on how this is performed, please read here: <http://www.uu.se/en/about-uu/data-protection-policy> Tobias Andermann <tobias.andermann@ebc.uu.se>

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UppsalaU EcolGeneticsEvolution

The Department of Ecology and Genetics at Uppsala University, Sweden, invites applications for postdoctoral fellowships through the Birgitta Sintring Foundation (<https://www.ieg.uu.se/research/birgitta-sintring-foundation/#PostDoc%20Link>).

Fellowships are handed out for two years with the possibility to apply for an extension for a third year. Candidates should have obtained a PhD by the beginning of their fellowship and not more than seven years before this (career breaks, e.g., for child care and sick leaves, can be deducted from the total time).

Interested candidates should contact a group leader of their choice (for a list of all group leaders see here: <https://www.ieg.uu.se/research/birgitta-sintring-foundation/#PI%20List>), to discuss potential projects and obtain their support as a host.

Uppsala University is a comprehensive research-intensive university with a strong international standing. Our ultimate goal is to conduct education and research of the highest quality and relevance to make a long-term difference in society. Our most important assets are all the individuals whose curiosity and dedication make Uppsala University one of Sweden's most exciting workplaces. Uppsala University has over 54,000 students, more than 7,500 employees and a turnover of around SEK 8 billion. The Department of Ecology and Genetics is an international environment with staff and students from all over the world. Our research spans from evolutionary ecology and genetics to studies of ecosystems. For more information, see www.ieg.uu.se. Please submit your applications by May 10, 2023. Applications have to be submitted through this website: <https://ansokan8.3ddata.se/page.asp> Decision are taken

in August and selected candidates should start within six month afterwards.

Claus Rueffler <claus.rueffler@ebc.uu.se>

När du har kontakt med oss på Uppsala universitet med e-post så innebär det att vi behandlar dina personuppgifter. För att läsa mer om hur vi gör det kan du läsa här: <http://www.uu.se/om-uu/dataskydd-personuppgifter/> E-mailing Uppsala University means that we will process your personal data. For more information on how this is performed, please read here: <http://www.uu.se/en/about-uu/data-protection-policy> Claus Rüffler <claus.rueffler@ebc.uu.se>

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UPrimorska WildLifeGenomics

The University of Primorska invites applicants for a research assistant(postdoc with the possibility of an extended tenure track faculty position). We seek candidates with a PhD in Life Sciences(molecular biology, ecology, biology, forestry, veterinary, biochemistry, etc.). Applicants with experience in wild life genomics will have priority;postdoctoral and teaching experience are required.Work position is classified in 43rd salary grade, from 1st April 2023 onward in 44th salary grade. Trial work is three (3) months.The expected starting date is May 2023.

The candidate will become a member of the Molecular Ecology group at the Department of Biodiversity in the Faculty of Mathematics, Natural Sciences, and Information Technologies. The group uses molecular tools to investigate many different topics and species, from wildlife monitoring to adaptation, and from conservation biology to wildlife management. The group also has a keen interest in citizen science in wildlife monitoring.

Your tasks:

A selected candidate will contribute to the management of national and international research projects and maintain and promote open science practices. The candidate will also teach a minimum of 1 course per semester, train, and supervise students. The work environment will also include international travel due to project meetings.

Your profile:

A relevant university education with a completed doctoral/PhD degree and a strong potential in re-

search. Experience with conducting population genomics analyses is preferred, but not required. Exceptional organizational skills and strong ability to accomplish tasks independently. Teaching or supervision experience is required. Excellent spoken and written English is required.

Application instructions:

Interested applicants are requested to send the application in the electronic form to razpisi@famnit.upr.si and ???Tenure-track position??? in the object.

Please attach in PDF format:

A cover letter explaining your interest in the position and how you fit the description a CV a list of publications highlighting the five most relevant ones.

Application deadline: 31 March 2023

Minja Krstić <minja.krstic.vranje@gmail.com>

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USouthCarolina PlantBiology

Please note that the deadline for this search has been extended to March 20th. We also note that reference letters are not required up front. Please share!

The Department of Biological Sciences in the College of Arts and Sciences at the University of South Carolina invites applications for a postdoctoral fellow as part of the inaugural cohort of the University's new "Bridge to Faculty" program. We invite applications from outstanding scholars who investigate fundamental concepts and mechanisms in *Plant Biology*. We welcome applications from researchers in any area of plant biology. Research interests of potential faculty mentors include (but are not limited to) plant development, environmental stressors, ecology, and evolution.

Scholars will have completed a PhD in Biological Sciences (or a related field) by July 1, 2023. The Department of Biological Sciences is committed to building and supporting a diverse, inclusive, and equitable community of scholars and students and shares the University's goals regarding faculty diversity and excellence. **Designed to attract, support, and retain scholars from groups historically underrepresented in their departments or fields, the Bridge to Faculty program is the University of South Carolina's newest and most promising initiative. ** Manifesting the university's commitment to "cultivating a

more diverse, equitable, and inclusive campus where every individual has the opportunity to flourish and thrive," the program seeks to recruit early-career scholars who, if successful during the post-doctoral period, will have the opportunity to transition directly to a tenure track faculty line at USC starting in the 2025-2026 academic year.

The Bridge to Faculty Program will enable scholars to deepen their research expertise, expand their scholarly profiles, undertake academic research in Plant Biology, and strengthen the College's and University's research community through their diverse perspectives. The Bridge to Faculty scholar in Biological Sciences will join eleven other scholars from across the university who will form a dynamic and supportive community of scholars.

Situated in USC's Office of Diversity, Equity, and Inclusion, Bridge to Faculty Scholars have a unique opportunity to receive:

- * Professional development to prepare the fellow for a full-time faculty position
- * Training and development in research, pedagogy, and strategic engagement
- * Additional mentorship from senior professors and University administrators
- * Networking and connection-building with university administration
- * Opportunities to engage and practice as an active member of the USC community

The Bridge to Faculty Scholar is expected to: 1) establish a robust program of research, 2) participate in the intellectual life of the department, 2) meet regularly with faculty mentors, 3) participate in professional development opportunities and 4) collaborate across the college and institution when deemed appropriate. The scholar will have access to institutional and departmental resources specifically designed to support their readiness for a tenure-track position.

Qualifications: The selection committee welcomes applications from candidates who contribute to increasing diversity in their fields as historically underrepresented persons in higher education.

Qualified candidates should submit the following: * A cover letter describing the applicant's research interests, specifically at USC, with relevant personal and professional background. In addition, candidates should identify 1-2 faculty members who could act as their post-doctoral supervisor while they are in residence at USC * A curriculum vitae * Academic Transcripts (showing completion of PhD by August 16, 2023) * A statement of research interests (2-3 pages) * Names, addresses, and email addresses of three professional references * A statement of any required accommodations OPTIONAL: A statement sharing your experiences related to diversity,

equity, and inclusion and how they can help advance the University's goal of "cultivating a more diverse, equitable, and inclusive campus" (1-3 pages). Varied socioeconomic and cultural experiences, teaching goals that emphasize diversity, and first-generation college graduate status should be highlighted in the statement.

Fellowship applicants must be US citizens or permanent residents. To ensure full consideration, application materials should be submitted on [uscjobs.sc.edu](https://uscjobs.sc.edu/postings/139877) <https://uscjobs.sc.edu/postings/139877> and should be received by March 20, 2023. If you have any questions about the application process or this position, please contact Beth Krizek, Search Committee Chair, Department of Biological Sciences (krizek@biol.sc.edu) or Carrie Wessinger, Search Committee Member (wessinc@mailbox.sc.edu).

Fellowship salary is competitive (\$55,000-\$60,000 commensurate with

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UTurku Two-Four HumanDiversity

2-4 new interdisciplinary Postdoctoral Researchers to the University of Turku thematic profile area "Human Diversity"

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

The researchers will be part of the new University of Turku profile area Human Diversity - Evolution through Contact and Communication Networks (<https://sites.utu.fi/humandiversity/>). Human Diversity focuses on cutting-edge research on how human contacts, past environments and communication networks influence material and immaterial culture, genes, disease burden, transgenerational effects, evolutionary fitness of people and language and language use. We uncover the long-term legacies of the contacts by studying how the (pre)historical short-term impacts cascade to current disease risks and human diversity, and how the diversity

continues to evolve in the modern digital world in the form of ideas and ideologies. These will contribute to informed decision-making among policy-makers, revised teaching strategies within UTU, increased public awareness of causes and consequences of human diversity, and better understanding of how our genomes, disease risks, and cultures and languages will change in future. Human Diversity brings together research teams in different faculties studying human diversity from complementary perspectives, constructing diverse digital datasets and developing technologies for documenting and analyzing such data. Such unique collaboration and data infrastructure enables holistic understanding of how past human and cultural diversity has evolved, transformed, and created the diversity we see now, and how ongoing migrations and communication networks are likely to affect them both in the physical and digital world.

The postdocs recruited will work within and between the Human Diversity associated research groups that are presented in the web pages <https://sites.utu.fi/humandiversity/team/>. The postdocs will use and combine the diverse datasets collected within the Human Diversity teams - or suggest new datasets - capitalizing on cross-disciplinary synergies within the Human Diversity. Possible research questions include, for example: How landscape and cultural factors between local populations affect migration decisions, spread of diseases and exchange of cultural and linguistic traits? How has genetic, cultural and linguistic diversity arisen through population divergence and encounters? How have epidemics spread by human contacts affected the demography and human gene pool, especially in relation to immunity genes? How have concepts and ideas spread in the written literature and in the digital world across time and languages? How do genetic and epigenetic mechanisms influence transgenerational transmission of health and disease and how is the transmission affected by the environment or cultural environment?

The persons chosen to the positions are expected to participate in the research conducted according to the Human Diversity research plan and to realize their own research projects related to the topics. Work tasks include some teaching responsibility (5% of the working time at the maximum) and participating actively in the multidisciplinary team building. Human Diversity researchers are expected to interact with the teams involved in the profile area.

Requirements We invite applications for 2-4 postdoctoral researcher positions for a fixed term period for 24 months (with an option for extension subject to funding availability). The postdocs are expected to begin their employment 1st of May 2023 or as soon as possible according to agreement. Successful candidates have

a background combining at least two of the following fields of research: Archaeogenetics, Computational sciences, Evolutionary Ecology, Evolutionary genomics, Evolutionary medicine and epidemiology, Digital humanities, General, Digital, or Computational Linguistics, or Finnish or Finno-Ugric languages, Landscape studies, Machine learning, Mathematical modeling, Migration studies, Natural Language Processing, Network science, Population genetics, Population health research, and Scientific archaeology. They have strong skills in quantitative methods and experience in using large and complex datasets, the ability to conduct independent scholarly work and work in an interdisciplinary team. Successful applicants have published research on interdisciplinary topics and have strong research orientation and fluency in English.

The applicant is required to have a PhD degree in a relevant field of science, completed before the application period ends. The eligibility

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UVirginia DrosophilaSeasonalEvolution

The Bergland lab at the University of Virginia is seeking to hire a post-doctoral Research Associate to study the evolutionary genetics of rapid adaptation in *Drosophila* to seasonal fluctuations selection pressure.

Temporal fluctuations in selection pressures are a ubiquitous feature across the tree of life. Adaptive tracking, a form of rapid evolution in which populations evolve in response to environmental change, has been proposed as a key evolutionary strategy to deal with such environmental heterogeneity. Yet, despite its potential importance, adaptive tracking remains poorly characterized in natural populations, in part due to the lack of genomic time-series data from the wild. Recent work by our lab has made progress identifying the genetic architecture of adaptive tracking in *Drosophila melanogaster* by studying the temporal changes in allele frequencies through time in natural populations, and we seek to use this system to gain insight into basic evolutionary questions.

Research conducted by the successful applicant can address a variety of questions using experimental and observational studies that incorporate genomic, molecular, and phenotypic data to ask: (1) What are the genetic targets of adaptive tracking and are they shared across closely related taxa? (2) What is the contribution of spatial variation to seasonal adaptive tracking? And (3) what is the role of meta-population structure in shaping adaptive dynamics of wild populations? There is flexibility in the approaches to address these broad research questions, and the successful applicant will be expected to play a central role in designing and directing experiments and analysis in ways that suit their expertise and training goals. You will also be encouraged and supported to submit fellowship applications geared toward advancing your independence and career goals.

Please contact Alan Bergland (aob2x@virginia.edu) if you are interested in the position.

QUALIFICATIONS REQUIREMENTS: A PhD in Biology or a related field is required by the start date. Research experience with population, quantitative, or molecular genetics is required. Evidence of capacity to communicate research in verbal or written form is required. Preferred qualifications: Experience working with genetic/genomic datasets, next-generation sequencing data, and knowledge of R, Python, or Perl (or equivalent) is preferred. Experience working with high-performance computing and experience working with undergraduate researchers or in a team setting is preferred. Experience working with *Drosophila*, or other organisms, in an experimental setting is preferred.

APPLICATION PROCEDURE: Apply online at https://uva.wd1.myworkdayjobs.com/UVAJobs/-job/Charlottesville-VA/Research-Associate-in-Biology_R0045444 and attach a cover letter, CV/resume, and contact information for three references (name, email address, telephone number, and address). Please note that multiple documents can be uploaded in the box.

APPLICATION DEADLINE: Review of applications will begin on March 10, 2023, but the position will remain open until filled. The University will perform background checks on all new hires prior to employment. This is a one-year appointment; however, the appointment may be renewed for an additional two, one-year increments, contingent upon available funding and satisfactory performance.

For questions regarding the application process, contact Rich Haverstrom, Faculty Search Advisor, at rkh6j@virginia.edu.

For more information on the benefits available to post-

doctoral associates at UVA, visit postdoc.virginia.edu and hr.virginia.edu/benefits.

The University of Virginia is consistently ranked as a top public institution. Situated within iconic and historic Charlottesville, Virginia, with convenient airport and interstate access, we are located within one hour of Richmond and two hours of Washington D.C. Charlottesville is consistently ranked as one of the most livable cities in America. The postdoctoral affairs website at the following URL provides more information on resources for postdocs at the University of Virginia: <http://postdoc.virginia.edu/>. COVID Vaccination Requirement and Guidelines Please visit the UVA COVID-19 Job Requirements and Guidelines webpage prior to applying for current information regarding vaccination requirements and guidelines for employment at UVA.

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity

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UWashington PacificCodPopulationGenomics

Postdoctoral Scholar - Population Genomics of Pacific Cod University of Washington: Academic Personnel: College of the Environment: Aquatic and Fishery Sciences

Location Seattle

Open Date Feb 16, 2023 Description The School of Aquatic and Fishery Sciences at the University of Washington Seattle, in collaboration with the Hatfield Marine Science Center of the NOAA Alaska Fisheries Science Center, the Farallon Institute, the Washington Department of Fish and Wildlife (WDFW) and the Department of Fisheries and Ocean Canada, seeks a Postdoctoral

Scholar to conduct low coverage whole genome resequencing of Pacific cod in and off the Salish Sea. The Salish Sea is situated at the border of Washington State and British Columbia, and includes Puget Sound, the Strait of Georgia, and the Strait of Juan de Fuca. The Postdoctoral Scholar will join the Marine Population Genomics Lab, a research group that investigates population structure, dispersal and adaptation in marine species. The Postdoctoral Scholar will investigate the potential for evolutionary rescue of Gulf of Alaska cod by gene flow from peripheral population in the Salish Sea. Selective changes in cod populations in the Salish Sea and the Gulf of Alaska during the mass mortality event in the 2016 heat wave will also be investigated. Existing habitat suitability projections under climate change will be modified using physiological tolerances of southern edge populations. There is potential for involvement in additional projects on Pacific cod, herring, rockfishes and invertebrates. The salary for this position will be \$65,508 per year, or as mandated by a U.S. Department of Labor prevailing wage determination. Postdoctoral scholars are represented by UAW 4121 and are subject to the collective bargaining agreement, unless agreed exclusion criteria apply. For more information, please visit the University of Washington Labor Relations website. The position will start as soon as possible, but no later than August 1, 2023. The initial appointment will be 100% FTE for one year, with potential renewal for a second year. Consideration of applicants will begin on 15 March 2023 and will continue until the position is filled. Qualifications

PhD in Biology, Molecular Genetics, Fisheries Science, Statistics or related disciplines Basic knowledge of population genetics/genomics Experience with the analysis of large scale genomic data Proficiency with statistics and data analysis Familiarity with programming languages such as R and Python Willingness to collaborate with NOAA, WDFW and University scientists Demonstrated ability to summarize scientific findings in the form of written manuscripts and oral presentations. Application Instructions All applications should be submitted through Interfolio. Application packages should include the following:

Cover letter outlining interest in the position and how it aligns with career goals CV Contact information (institution, email and phone number) for three professional references Applicants with inquiries regarding this position should contact: Lorenz Hauser at (lhauser@uw.edu).

Dr Lorenz Hauser Richard C. and Lois M. Worthington Endowed Professor in Fisheries Management School of Aquatic and Fishery Sciences, University of Washington 1122 NE Boat St, Box 355020, Seattle WA 98195-

5020, Phone 206 685 3270, <https://fish.uw.edu/faculty/-lorenz-hauser/>, <http://faculty.washington.edu/lhauser/>
Research Associate, Nelson Mandela University, Gqeberha, South Africa

Lorenz Hauser <lhauser@uw.edu>

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UWisconsin Madison MouseExtremePhenotypes

The Payseur lab at the University of Wisconsin-Madison invites applications for new postdoctoral positions.

We use genetics and genomics to understand mechanisms of evolution. Members of our group gain valuable experience integrating genomic and phenotypic data within a powerful evolutionary framework.

The new postdoctoral researchers will lead projects that use inbred strains of wild house mice as model systems to characterize the genetic determinants of phenotypic evolution. There are two research questions of special interest:

1. How do organisms evolve extreme phenotypes after colonizing islands? We have discovered genomic regions that contributed to the evolution of body size and behavior in mice from Gough Island. We seek new lab members who will characterize the molecular, cellular, developmental, physiological, and metabolic mechanisms by which genetic variants in these genomic regions act. This project is aimed at understanding the island rule, a general pattern in vertebrate evolution.
2. How does the meiotic recombination rate evolve? We have discovered substantial, inherited differences in the rate of recombination among wild mice. We seek new lab members who will compare crossover positioning across the genome and identify genetic and epigenetic factors responsible for the evolution of recombination rate. This project is aimed at understanding genetic variation in processes that govern inheritance.

Successful candidates will demonstrate a strong research record in the life sciences. Evidence of productivity in the form of first-authored publications and a Ph.D. in biology or a related field are required. Experience with molecular biology, cellular biology, developmental biology, physiology, metabolism, reproductive biology, genetics, genomics, mouse handling, or mouse husbandry

is highly desirable. A desire to work with live mice from embryonic stages to adulthood is required. Applicants should be highly motivated and interested in contributing to a research team. Initial appointments will be for two years. Appointments may be renewed, contingent upon progress.

The Payseur lab offers a stimulating, interactive, and supportive climate with rich opportunities for professional development. In the 17 years since the group was founded, alumni have earned positions as tenure-track faculty, industry researchers, and graduate program coordinators. Bret Payseur meets regularly with each member of the group to discuss individualized training goals and all aspects of the scientific process. The lab convenes as a group to share research updates and to critically evaluate scientific literature. We strive for an inclusive environment in which all experiences are valued and ways to expand diversity in academics are freely discussed. For more information about the Payseur lab, visit <https://payseur.genetics.wisc.edu/>. The Payseur lab resides within the Laboratory of Genetics at the University of Wisconsin-Madison - a department with a storied history in genetics, molecular biology, and evolutionary biology. The department and the university are home to highly interactive faculty with broad and deep expertise across the life sciences. The lab enjoys local collaborations with leaders in molecular genetics, genomics, statistical genetics, computational biology, and evolutionary biology. The University of Wisconsin-Madison is consistently ranked as a top public university and is renowned for its strength in biological research. Madison is rated as one of the best places to live (<https://livability.com/best-places/2022-top-100-best-places-to-live-in-the-us/top-100-2022-madison-wi>), offering excellent restaurants, a thriving arts community, and an impressive assemblage of parks, bike paths, and lakes, only a few hours driving distance from Chicago and Milwaukee.

To apply, email to Bret Payseur (payseur@wisc.edu) a SINGLE PDF consisting of three pieces: (1) a brief (less than one page) research statement that clearly explains the motivation for applying, (2) an updated CV, and (3) contact information for two references. Review of applications will begin immediately. Interested individuals are encouraged to contact Bret Payseur with any questions. Informal inquiries are welcome.

Bret Payseur <bret.payseur@wisc.edu>

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

UZurich PlantEvolutionaryBiol

PhD position or part-time post-doctoral position in plant evolutionary biology, University of Zurich. University of Zurich, Dept. of Systematic and Evolutionary Botany

RESEARCH PROJECT: Whether evolutionary trajectories leading to a particular function/morphology are predictable is a fundamental question of evolutionary biology. Yet, there is little consensus on this issue and experimental evidence is contentious. The phenomenon of convergent evolution, the repeated evolution of traits in independent lineages, provides an ideal framework to test for constraints on the trajectory of the evolutionary processes. Our project investigates the genetic bases of parallel morphological evolution in a closely related group of moss species, the family Funariaceae. In mosses, the dominant haploid gametophyte phase (the leafy shoot) alternates with a diploid sporophyte (spore producing) phase. Fitting the classical example of parallel evolution, the reduced sporophyte phenotype has evolved multiple times independently in the Funariid mosses. The availability of information on the developmental biology of complex and reduced sporophyte phases, the simple structure of the sporophyte phase and the family's amenability for reverse genetic work makes it an ideal system to investigate the genetics basis of parallel evolution.

This project heavily relies on the vast amount of preliminary data produced during the last three years using comparative transcriptomic and genomic analyses on two species (*Physcomitrium* (*Physcomitrella*) *patens* and *Funaria hygrometrica*) representing the end points of sporophyte complexity in the Funariaceae family. The preliminary data encompassing chromosome-scale genome assemblies, comparative transcriptomics and established methods for reverse genetic manipulation already enabled us to identify candidate genes and jump start this project. We envision that the proposed research will contribute to the general understanding of the molecular processes underlying parallel evolution of morphological traits, a fundamental issue of evolutionary biology.

This project is funded by a Swiss National Science Foundation (SNSF) grant to Peter Szovenyi (<http://peterszovenyi.weebly.com/publications.html>) and will be carried out in collaboration with Bernard Goffinet

(UConn) and Joan Coudert (University of Lyon). The Dept. of Systematic and Evolutionary Botany hosts research groups working on the evolutionary and ecological drivers of biodiversity, on the macroevolution of plants, on plant-insect interactions/pollination, on the evolution of mating systems, hybridization and speciation. The Dept. of Plant and Microbial Biology hosts many groups working on plant molecular and developmental biology, epigenetics, community genomics and plant adaptation. Both institutes are housed in the beautiful Botanical Gardens and host a diverse community of researchers in plant biology.

IDEAL CANDIDATES: Ideal candidates will have an MSc in biology with a specialization in evolution, developmental genetics and/or bioinformatics. This position involves expert level bioinformatic work including genome assembly (long-reads, Hi-C) and genome annotation. Furthermore, the project uses comparative transcriptomics (spatial transcriptomics) including gene regulatory network analyses in a phylogenetic context, and high throughput reverse genetic work. Therefore, this position requires advanced skills in handling, analyzing and interpreting high-throughput next-generation sequencing and RNA-seq data. Good skills in assembling vectors, carrying out genetic transformations and microscopy are also required. In case not all these skills are covered, the willingness to quickly acquire them is necessary. The student will closely work together with the postdoctoral fellow on this grant. Students should be willing to work both in the wet lab and in the office doing computational work. The position (if PhD) for four years. Selected candidates will be enrolled in one of the two affiliated PHD schools in evolution or plant sciences.

CLOSING DATE: The position is opened until filled, but all application material including CV, a summary of research experience, a letter of motivation, copies of relevant publications (published or submitted) and names and contact information of three reference persons should be received by 6th April 2023 to ensure full consideration. The position will start at the earliest possible date, but it is negotiable (at the latest in June-July 2023). Candidates should indicate in a cover letter when they could take up the position and whether they are applying for a phd or postdoc position.

Please send all application material with the following subject line "PhD_sporophyte_evol" to: Peter Szovenyi, peter.szovenyi@uzh.ch, as a single pdf document. For enquiries, please contact Peter Szovenyi (peter.szovenyi@uzh.ch).

PD Peter Szovenyi

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VrijeU ComparativeGenomics SexChromosomes

Postdoc fellowship position: Vrije Universiteit Brussel_Comparative Genomics_Sex chromosomes

Postdoc fellowship position available at Vrije Universiteit Brussel (Brussels, Belgium) in comparative genomics of sex chromosomes

We are seeking a postdoctoral researcher, funded by ERC starting grant, to join the Evolutionary Genomics of Sex lab (<https://www.wmalab.com>) in the Biology Department (<https://we.vub.ac.be/en/biology-department>) at the Vrije Universiteit Brussel.

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

Postdoctoral fellowship position

The candidate for this hire will work on a project that aims to understand the evolution and genomic signature of (undifferentiated and differentiated) sex chromosomes between female (i.e. ZW/ZZ) and male heterogametic (i.e. XX/XY) systems in various frog species, using comparative and functional genomics, population genetics, molecular evolution, cytogenetics and fieldwork sampling approaches.

The successful candidate will have a Ph.D. and experience in genomics, genetics, evolution, and bioinformatics. Experience with high-throughput sequencing, large genome assembly, transcriptomic and genomic data analysis and a good level of programming are preferred.

This position has an initial 1-year contract and can be renewed for up to 4 years. Help will be provided

in applying for independent postdoc funding. The expected start date as soon as possible and no later than 1.June.2023.

Applications should be emailed to PI Wen-Juan Ma (wen-juan.ma@vub.be) and should include: (1) a CV; (2) a cover letter - letter of application that summarizes your qualifications, interest in the position and future career goals; (3) contact information for three references. They will be contacted after shortlisting candidates.

Please click on the following link for specific information:

<https://www.wmalab.com/resources/-MaLab.VUB.Postdoc.Recruitment.Ad.pdf> Application deadline:

Open until the position is filled.

We strive to create a diverse, inclusive and highly interactive and collaborative lab culture. We welcome and encourage students and researchers from diverse cultural, racial and economic backgrounds to join our brand-new lab. Your values and options matter to us and will help us shape our inclusive, constructive and collaborative lab environment. If this is something resonant to you, please consider applying for open positions below and help spread the word.

Informal enquiries can be emailed to Wen-Juan Ma (wen-juan.ma@vub.be).

Dr. Wen-Juan Ma

Assistant Professor

Vrije Universiteit Brussel Room 5F.60

Pleinlaan 2 1050 Brussels Belgium

Office: 0032 (0)2 629 3416 Lab webpage: <http://www.wmalab.com> Twitter: @WenJuanMa84

Wen-Juan Ma <Wen-Juan.Ma@vub.be>

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WashingtonU MicrobialEvolution

Postdoctoral position in ecology, evolution, and genetics of *Dictyostelium discoideum* and its bacteria The Queller-Strassmann group at Washington University in St. Louis has a postdoctoral position for a highly motivated individual interested in exploring this fascinating microbial system. Current funding is for studying D.

discoideum as a super-generalist predator, but we are also open to great ideas from you within the general area of social evolution, symbiosis, and predator-prey interactions using the microbial organisms we study to other questions. We are looking for someone with microbiology experience. Approaches can include genetics, genomics, microbiome, field, laboratory, and experimental evolution.

David Queller and Joan Strassmann lead a friendly and interactive team of highly motivated, creative, and smart investigators. Check out our website, (<http://strassmannandquellerlab.wordpress.com/>) for more information on our lab, or Strassmann's blog (<http://sociobiology.wordpress.com>). If you are interested in joining our group, please send an email to Joan Strassmann (Strassmann@wustl.edu) with a single file including CV, statement of research interests, and the names, phone numbers, and email addresses of three references. Women and underrepresented minorities are particularly encouraged to apply. We will begin reviewing applications by March 20 and will continue to accept them until the positions are filled. Start date is flexible.

Joan and Dave

Joan E. Strassmann Charles Rebstock Professor of Biology

Washington University in St Louis strassmann@wustl.edu phone: 832-978-5961 look for my book, *Slow Birding*, just out! <https://www.penguinrandomhouse.com/books/667563/slow-birding-by-joan-e-strassmann/> "Strassmann, Joan" <strassmann@wustl.edu>

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WoodsHole MA MaternalEffects

Postdoctoral Scientist - Genetic and Epigenetic Mechanisms of Transgenerational Inheritance

Position Summary: A postdoctoral research position is available in the laboratory of Dr. Kristin Gribble at the Marine Biological Laboratory, Woods Hole, MA. The Gribble lab studies the mechanisms and evolution of the biology of aging, and maternal and transgenerational effects on offspring phenotype. We use rotifers as a

model system for our work. For more information about our lab's work, see gribblebiolab.org.

Qualified applicants will have the opportunity to study the genetic and epigenetic mechanisms of maternal age effects in a novel experimental model system, focusing on how a mother's age and physiology influence her offspring's health and lifespan. This NSF-CAREER funded research project will use genetic, genomic, biochemical, and bioinformatic approaches to elucidate the epigenetic and genetic mechanisms of transgenerational inheritance.

Basic Qualifications: Applicants should possess a Ph.D. in molecular biology, cell biology, biochemistry, genetics, bioinformatics, or a related field. The ideal candidate will have a record of scientific rigor, productivity, and creativity; the ability to work independently and as part of a team; and a strong publication record. Excellent oral and written communication skills are required.?

Preferred Qualifications: Individuals with experience in bioinformatic analysis of gene expression (RNA-Seq), epigenetic regulation (ATAC-Seq, CUT&RUN, Chip-Seq, etc), and/or comparative genomics are particularly encouraged to apply. Prior experience with working with rotifers is not necessary; candidates with experience with other experimental or model systems are encouraged to apply.

Contact kgribble@mbl.edu with questions.

Apply at the MBL Careers site: <https://recruiting.ultipro.com/MAR1033MBL/JobBoard/-4c3007c3-6354-41de-a13f-d95be60d91e9/-OpportunityDetail?opportunityId=b3a9dd3a-3e09-4f91-9d71-f8011e9d28dc> * A cover letter with a brief description of your research experience and how your expertise will contribute to research on the mechanisms of parental effects and transgenerational inheritance * A CV which includes a list of publications * Contact information for three references (Please do not send letters at this time; we will contact references directly).

Kristin Gribble, Ph.D. Associate Scientist Marine Biological Laboratory Woods Hole, MA 02543 508-289-7194 gribblebiolab.org

In-Reply-To: <ZA8Tskay46XGq/Fd@helix.biology.mcmaster.ca>

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Boise Idaho Botany Systematics Jul23

At the Botany2023 conference in Boise, Idaho an NSF-sponsored workshop and symposium, “Supporting inclusive and sustainable research infrastructure for systematics (SISRIS) by connecting scientists and their specimens” will be held. More details and application for July 23 workshop participation (in-person and online seats) here: <https://tinyurl.com/3jmaztfa> Do you make or use herbarium specimens as part of your research? Are you interested in learning how to better document your botanical expertise and contributions to collections-based research by using the latest web-based informatics tools? Are you curious as to how these tools may also be used to advance research, improve collections management as well as build a more inclusive historical record by revealing hidden figures in botany? If so, please consider applying to attend the half-day SISRIS workshop at Botany2023 Sunday July 23. We encourage individuals from all career-stages and institution types to apply. Stipends for participation are available to defray the cost of attending, including dependent-care, sponsored by the US National Science Foundation. Attendance capped at 30 in-person and 10 online participants. For further details and application link: <https://tinyurl.com/3jmaztfa> Email for questions:

SISRIS2023@gmail.com

Andrea Weeks <aweeks3@gmu.edu>

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MountainLake Graduate Evolution Jul29-Aug5

Join Drs. Amanda Gibson (University of Virginia), Idelle Cooper (James Madison University), Jeremy Draghi (Virginia Tech), and Corlett Wood (University of Pennsylvania) for a six-day workshop on evolutionary biology for early career graduate students. During this week, you'll have the time and support to think deeply about the evolutionary questions that excite you and to engage in focused conversations with a small group of peers. As your group shapes ideas into a research proposal, you'll practice communicating with one another and articulating yourself in writing. The workshop will also include tutorials on the art of science writing and question development.

We have found this workshop to be particularly valuable for students who are early in their PhD, prior to writing their dissertation proposal. We assume some prior experience working in the field of evolutionary biology.

Come prepared to work with your group on a wide range of evolutionary questions and approaches that may fall outside your area of expertise!

Workshop dates: July 29 - August 5, 2023 Enrollment limit: 16 Cost: \$300 (with financial assistance available) Deadline for cancelation with refund: July 21, 2023 Location: Mountain Lake Biological Station, Pembroke, Virginia

For more information and to register, visit <https://mlbs.virginia.edu/evolutionary-biology-workshop>
Amanda Kyle Gibson, Ph.D. Assistant Professor (she/her)

Physical Life Sciences Building, RM 408 Department of Biology University of Virginia Charlottesville, VA

Email: akg5nq@virginia.edu Website: <https://coevolving.org/> “Gibson, Amanda K (akg5nq)” <akg5nq@virginia.edu>

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MountainLake Grant Writing Jul22-29

Join NSF BIO Directorate program director Dr. Leslie Rissler for a six-day hands-on grant writing workshop for scientists who want to learn strategies, styles, and structures to improve their grant proposals. One of Dr. Rissler’s specialties is evolutionary biology, and she oversees the Evolutionary Processes Cluster within the Division of Environmental Biology. The workshop is geared toward early career proposal writers including faculty, postdocs, and senior graduate students and will include direct discussions and writing sessions based on participants’ own proposal ideas. The workshop will involve finding appropriate solicitations associated with those research ideas, writing a proposal that matches ideas to those solicitations, and having draft proposals reviewed in a panel format by colleagues. Limited enrollment (12) will enable close interaction. Past participants’ topics have spanned biology, ecology and evolutionary biology, physics, conservation, and more.

Workshop dates: July 22 - 29, 2023 Enrollment limit: 12 Cost: \$550 Location: Mountain Lake Biological Station, Pembroke, Virginia For more information and to register, visit <https://mlbs.virginia.edu/grant-writing-workshop> Amanda Kyle Gibson, Ph.D. Assistant Professor (she/her)

Physical Life Sciences Building, RM 408 Department of Biology University of Virginia Charlottesville, VA

Email: akg5nq@virginia.edu Website: <https://coevolving.org/> “Gibson, Amanda K (akg5nq)” <akg5nq@virginia.edu>

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OIST Okinawa Evolutionary Analysis

OIST Workshop on the Evolutionary Analysis of Morphology October 17th-24th, 2023, Okinawa, Japan

The Okinawa Institute of Science and Technology graduate university is excited to announce our forthcoming workshop on the evolutionary analysis of morphology. Please see below for a description.

Apply via <http://groups.oist.jp/evomorph> by May 1, 2023

Many of the most fundamental questions in biology have to do with the origins, evolutionary history, and ecological function of morphological characters. Biological structures are complex and varied, and shared evolutionary history due to common ancestry means that specialized statistical tools are required in order to study them. This course introduces methods and applications for the quantification and evolutionary analysis of morphology. First, the course will first provide an overview of modern analytical tools available to measure and study them, including imaging techniques, and working with linear measures and ratios, landmarks and coordinates, outlines, and surfaces. The course will then cover the statistical methods used to test evolutionary hypotheses, with a focus on modern phylogenetic comparative methods that use a phylogeny to study the process and pattern of evolutionary change through time and among taxa. This workshop will teach students the theory, implementation, and use of phylogenetic comparative methods, with particular attention to methods implemented for the R statistical computing environment. Several of the instructors are responsible for developing the analytical methods and software packages that will be presented. Students with their own data are encouraged to bring it along for advice and practice.

The course will take place Oct 17-24th, 2023, at Seaside House, on the campus of the Okinawa Institute of Science and Technology, in beautiful Okinawa, Japan. Registration, accommodation, and meals will be pro-

vided to all participants. Some accommodations may be in shared rooms. A limited number of need-based travel subsidies will be awarded. Participants will be chosen through a competitive application process, please find the application here and apply before the deadline of May 1, 2023.

Organizers:

Evan P. Economo (OIST) Dan Warren (OIST)

Invited Speakers:

Anjali Goswami (Natural History Museum, London) Samantha Price (Clemson U.) Emma Sherratt (U. Adelaide) Peter Wainwright (UC Davis) Luke Harmon (U. Idaho) Liam Revell (UMass Boston) Haruki Tatsuta (Kyushyu University)

Apply via the webform at <http://groups.oist.jp/evomorph> by May 1, 2023

Dan.Warren@oist.jp

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Okinawa Evolutionary Analysis Of Morphology Oct17-24

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Apply via the webform at <http://groups.oist.jp/evomorph> by May 1, 2023

Dan Warren <Dan.Warren@oist.jp>

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Online Adaptation Genomics Jun26-30

Dear all,

registration is now open for the 4th edition of the Adaptation Genomics course in June (26th-30th).

Course website: (<https://www.physalia-courses.org/courses-workshops/courseadaptationgenomics/>)

This course provides an introduction to the study of the

genomic basis of adaptation using population genomics approaches applied to the analysis of both sequence and structural genetic variation. The instructors will guide the participants from the handling of raw genomic data and data exploration (e.g., summary statistics and population structure) up to more advanced methods, including genotype-environment associations based on both sequence and structural variants. Through hands-on exercises, the course will teach basic bioinformatics skills and how to manipulate, visualize and interpret genomic data and patterns. Thanks to the combination of theoretical and conceptual lectures, the students should end the course with a good understanding of the possibilities and the challenges to study the genomics of adaptation using population genomic approaches, as well as the confidence to apply similar methods to their own research.

Full list of our courses and Workshops: (<https://www.physalia-courses.org/courses-workshops/>)

Should you have any questions, please feel free to contact us: info@physalia-courses.org Best regards, Carlo

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Online Advanced Bayesian Statistics In R Mar27-31

Dear all,

there are still a few seats available for the next edition of the course “NEXT STEPS IN APPLIED BAYESIAN REGRESSION MODELING ”.

Dates: online, March 27th-31st

Course website: (<https://www.physalia-courses.org/courses-workshops/bayes-regression/>)

This course provides an overview over a number of topics and tools that are not (usually) covered by introductory courses, but that will boost your understanding, productivity and confidence when applying Bayesian regression modeling. The purpose of this course is not

exhaustive depth, but guided overview. The goal is to provide enough information (focusing on the conceptual understanding, not mathematical detail) alongside practical examples, to put all participants in a position to learn something new and useful about topics they were already familiar with, to unlock new areas that they heard of but wanted to learn more about, and also to raise awareness for useful ideas and tools that weren't even on the radar of awareness before. The course also contains interactive practice sessions during which participants can bring up their own concrete use cases and question sets.

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Online DataAppDevelopment Jun12

“There's an app for that!” Workshop

This 5-hour virtual workshop will provide an introduction for biologists to building their own apps for data collection. By the end of the workshop, applicants will have built their first app and will have the fundamental knowledge to build their own apps. Applicants will also learn how to best structure their data for app development.

Instructor: Katie Lotterhos, PhD. Associate Professor in the Department of Marine and Environmental Sciences at Northeastern University

We will show you how to build apps that automatically sync with a database stored in Google Sheets or other spreadsheet. Apps can collect data offline on the device and then sync when they are back online. Participants will learn how to structure their apps for multiple users entering data at the same time, how to collect information on latitude and longitude from the device, and how to take images in the app and have them automatically uploaded to the cloud and entered

in the database.

Apps will work on Android and Apple devices, as well as on laptops in browsers.

Although no prior experience building apps or coding is necessary, basic spreadsheet knowledge is required, including the use of functions in spreadsheets.

Date: June 12, 12pm-5pm EDT Cost: \$120 USD

Link to Apply: <https://www.eventbrite.com/e/theres-an-app-for-that-an-introduction-for-biologists-registration-574729731097> K. E. Lotterhos, PhD (she/hers) Associate Professor Department of Marine and Environmental Sciences Northeastern University Marine Science Center 430 Nahant Rd Nahant, MA 01908 I respond to email mid-day on weekdays

k.lotterhos@northeastern.edu

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Online Demographic Modeling Jul3-7

Dear all,

registration is now open for the next edition of the course “MODEL-BASED DEMOGRAPHIC INFERENCE FROM POPULATION GENOMICS”

Dates: online, July 3-7

Course website: (<https://www.physalia-courses.org/courses-workshops/demoinference/>)

This course will focus on inferring demographic models from genomic datasets (e.g. whole-genomes or RAD-seq) from model and non-model organisms using single nucleotide polymorphisms (SNPs) and the site-frequency spectrum (SFS). Theoretical background on population genomics and coalescence theory will be provided through a set of lectures that will be followed by hands-on exercises using simulated and real-data. Participants will compute the SFS from genomic files (in VCF format), formalise hypotheses and design demographic models, estimate demographic parameters (e.g. divergence times, effective population sizes) from the data and compare alternative scenarios of evolution. This course will provide the participants with the theoretical and practical knowledge required to infer the demographic history from any standard next generation sequencing dataset on their own.

Full list of our courses and Workshops: (<https://www.physalia-courses.org/courses-workshops/>)

www.physalia-courses.org/courses-workshops/)

Should you have any questions, please feel free to contact us: info@physalia-courses.org Best regards, Carlo

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Online IntroPalaeogenomics May15-26

Dear colleagues,

Registration is open for Transmitting Science’ course “Introduction to Palaeogenomics”

Instructors: Dr. Jazmín Ramos-Madrigal (University of Copenhagen, Denmark) and Dr. Marcela Sandoval Velasco (UNAM, Mexico)

Schedule: Online live sessions on the 15th, 17th, 19th, 22nd, 24th, and 26th of May (Monday-Wednesday-Friday); from 16:30 to 20:30 (Madrid time zone), plus 2 hours of participants working on their own.

Format: live online sessions.

Course webpage with more information: <https://www.transmittingscience.com/courses/genetics-and-genomics/introduction-to-palaeogenomics-concepts-methods-and-applications-of-ancient-dna-data/> Course overview:

DNA extracted from archaeological and palaeontological samples, and museum specimens has proven useful to study species and life on earth from the genomic perspective. It has made it possible to measure changes in genetic diversity through time, test hypotheses about the association of environmental phenomena and genetic changes in natural populations, and to resolve long-standing questions about the evolutionary relationships between species.

This course covers concepts, methods, and applications of ancient human and non-human DNA data.

In a combination of interactive lectures and hands-on practical sessions, the course will provide a theoretical overview of molecular biology laboratory techniques for

the retrieval of aDNA from ancient samples from different species and an introduction to the bioinformatic pipelines for the analysis of palaeogenomic data. Students will be introduced to the standard bioinformatic methods often used in palaeogenomic projects for the analysis of aDNA data. We will also review the history and developments of the field to understand how it came to be what it is today and consider and discuss the practical problems of ancient DNA recovery, the theoretical problems associated with the interpretation of palaeogenomic data, and the ethical implications embedded in this type of research.

At the end of the course, students will have gained a general understanding of common key methods and tools used in palaeogenomics projects: from the basics in the field to the interpretation of the results, as well as ethical and responsibility aspects and implications of aDNA research.

With best regards

Sole

– Soledad De Esteban-Trivigno, PhD Director
Transmitting Science www.transmittingscience.com
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<soledad.esteban@transmittingscience.com>

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Online LongitudinalDataAnalysisWithR Jun26-29

Dear all,

registration is now open for the course “INTRODUCTION TO THE ANALYSIS OF LONGITUDINAL DATA with R”.

Dates: June, 26th-29th

Course website: (<https://www.physalia-courses.org/-courses-workshops/longitudinal-data-in-r/>)

This course will introduce methods and approaches to analyse longitudinal data, i.e. data which are repeated in time or space (or any other dimensions, for that matter!). Longitudinal data present specific challenges in all aspects of processing and analysis, from visualization to exploratory data analysis, to modelling and validation. The course will outline the main challenges

related to dealing with longitudinal data, from classical statistical and machine learning perspectives. Specific areas that will be covered include forecasting (prediction of time-series data), epidemiology and gene-expression experiments.

Full list of our courses and Workshops: (<https://www.physalia-courses.org/courses-workshops/>)

Should you have any questions, please feel free to contact us: info@physalia-courses.org Best regards, Carlo

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Online Metagenomics Jun12-16

Dear all,

there are still a few seats available for the next edition of the course: METAGENOMICS, METATRANSCRIPTOMICS, AND MULTIOMICS FOR MICROBIAL COMMUNITY STUDIES

Dates: online, June 12th-16th

Course website: (<https://www.physalia-courses.org/-courses-workshops/course33/>)

This course will provide a thorough introduction to microbial community data analysis (metagenomics, metatranscriptomics, and other culture-independent molecular data) through a balanced approach of lectures and hands-on lab sessions. Course participants will learn how to process data from raw meta’omic sequencing files through appropriate bioinformatic methods and approaches for subsequent integrative statistical analyses. Participants are invited to bring their own data to the practical session on the final day or can use publicly available data from the Integrative Human Microbiome Project (HMP2).

Learning outcomes:

Familiarity with the goals of typical microbial community studies and common culture-independent molecular technologies used to assay them. Metagenomic and metatranscriptomic data analysis for taxonomic, functional, and strain-level characterization of commu-

nities using reproducible workflows. Learning how to perform multivariate statistical analyses, combine multiple measurement types in microbial communities, and how to visualize associated results. Experience in integrative multi'omics analysis for large sets of human microbiome or environmental microbial community populations. Full list of our courses and Workshops: (<https://www.physalia-courses.org/courses-workshops/>)

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Online Modelling Multivariate Traits May 15-26

Dear colleagues,

Registration is open for the Transmitting Science course “Modelling and Analysing Multivariate Traits Evolution using mvMORPH” - 3rd edition. Max 16 participants.

Dates and schedule: May 15th-26th, 2023. Online live sessions from Monday to Friday from 14:00 to 16:30 and 17:00 to 19:00 (Madrid time zone).

Instructor: Dr. Julien Clavel (NNRS, France)

Course overview:

In this workshop students will be introduced to multivariate phylogenetic comparative methods with the mvMORPH R package.

The mvMORPH package contains tools for modelling the evolution of correlated continuous traits (e.g. morphometric measurement, geometric morphometric datasets, life history traits, gene expression data, etc.) on phylogenetic trees [with either fossil species, extant species or both] as well as statistical tools such as multivariate generalized least squares (GLS) linear models -e.g. multivariate regression, MANOVA, MANCOVA - for studying comparative datasets.

In this course, students will be first introduced to some theory with illustrative examples (both from simulated

data as well as students' own datasets) and will learn how to interpret the models, their parameters, as well as how to assess their reliability.

For more information, please check the course webpage: <https://www.transmittingscience.com/courses/-evolution/modelling-and-analysing-multivariate-traits-evolution-using-mvmorph/> or write to courses@transmittingscience.com

With best regards

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com Twitter @SoleDeEsteban Orcid: <https://orcid.org/0000-0002-2049-0890> Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or <http://transmittingscience.com/additional-terms>. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www.aepd.es. 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 RAD-seq Apr17-20

The Computational Biology Core at the University of Connecticut's Institute for Systems Genomics is offering a virtual RAD-seq analysis workshop April 17-20 2023.

The workshop will cover an introduction to linux and high performance computing before going through a complete analysis starting with raw reads and ending with basic analyses of population genetic structure.

The goal is to familiarize attendees with the basic concepts and approaches for RAD-seq analyses. All code required to complete the full analysis will be provided in a public github repository, and session recordings will be available to all participants after the workshop.

WHERE: Virtual (zoom)

WHEN: 9:00 AM - 12:00 PM April 17-20, 2023

COST: \$350 (UConn affiliates \$483 (External participants))

Registration is first come first serve, more information here: <https://bioinformatics.uconn.edu/cbc-workshops/> Registration form: <https://forms.gle/vfo6Hogou3mYrFXBA> Questions? E-mail cbcsupport@uconn.edu

mia.nahom@uconn.edu

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Online scRNAseqWithR Jun5-9

Dear all,

registration is now open for the 4th edition of the course "SINGLE-CELL RNA-SEQ ANALYSIS WITH R/BIOCONDUCTOR"

Dates: online, June 5th-9th

Course website: (<https://www.physalia-courses.org/courses-workshops/course18/>)

This course will introduce biologists and bioinformaticians to the field of single-cell RNA sequencing. We will

cover a range of software and analysis workflows that extend over the spectrum from the best practices in the filtering scRNAseq data to the downstream analysis of cell clusters and temporal ordering. This course will help the attendees gain accurate insights in pre-processing, analysis and interpretation of scRNAseq data. We will start by introducing general concepts about single-cell RNA-sequencing. From there, we will then continue to describe the main analysis steps to go from raw sequencing data to processed and usable data. Finally, we will focus more specifically on the different analyses strategies to use in order to extract information from genomic datasets such as Hi-C, ATAC-seq or ChIP-seq.

Full list of our courses and Workshops: (<https://www.physalia-courses.org/courses-workshops/>)

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Online TransposableElements Jun12-15

Dear all,

there are still few seats available for the next edition of the course " BIOINFORMATIC ANALYSIS OF TRANSPOSABLE ELEMENTS".

Dates: online June 12th-15th

Course website: (<https://www.physalia-courses.org/courses-workshops/course24/>) This course aims to address these challenges by teaching TE biology, computational analyses of TEs in genome assemblies and raw read data (building de-novo TE library, TE quantification, Insertion polymorphism) as well as transcriptomics (differential expression of TE families), and the manual analyses of TEs (consensus curation, classification).

The course is aimed at biologists at any career stage who are new to TE analyses and/or de-novo annotation of the repetitive fraction of non-model genomes.

Full list of our courses and Workshops: (<https://www.physalia-courses.org/courses-workshops/>)

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[surveys/?s=PEFP33K8AJKRWY8H](https://www.physalia-courses.org/courses-workshops/surveys/?s=PEFP33K8AJKRWY8H) . If you have any questions, please feel free to contact Charlie Nunn at clnunn@duke.edu or Rebecca Cook at rcw18@duke.edu.

??

Rebecca Cook <rebecca.cook@duke.edu>

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RaleighNC

EvoMedicineSummerInst May21-26

We are excited to announce that the Triangle Center for Evolutionary Medicine (TriCEM) is accepting applications for the 2023 Evolutionary Medicine Summer Institute (EMSI). This year, EMSI will be held from the evening of May 21st through 26th at North Carolina State University in Raleigh, NC.

EMSI provides training in evolutionary medicine, with a focus on computational methods, networking, and advancing research frontiers. We aim to attract a diverse pool of applicants that include students, postdocs, and faculty with biological or social science interests, plus clinicians and other medical, veterinary, and public health practitioners. The goals of EMSI are to: * Introduce core evolutionary principles relevant to public health and medicine.

* Apply evolutionary perspectives to a wide range of topics, including infectious disease, microbial resistance, cancer, the microbiome, and more.

* Provide training in computational methods used in evolutionary and ecological research.

* Build collaborative networks across the evolutionary sciences, human and veterinary medicine, and public health to fuel new research in evolutionary medicine.

Through lectures, hands-on computational exercises, and team-based learning projects, participants will gain the background and the tools to apply evolutionary biology to questions of medical and veterinary importance.

For more information, please visit the EMSI website: <https://sites.duke.edu/emsi/>. To apply, please complete the application by the deadline of Monday, March 27th, 2023: <https://redcap.duke.edu/redcap/>-

St Augustine Detecting Adaptation Jul24-25

NSF-sponsored Workshop: Detecting adaptive evolutionary events in genomes of polar species at the Whitney Laboratory for Marine Bioscience, St. Augustine, Florida. This workshop is funded by the National Science Foundation through awards #1935635 and #1935672.

A two-day workshop will be held at the Whitney Laboratory for Marine Bioscience (University of Florida) in 2023 (July 24 & 25). Participants should plan to arrive on the afternoon of July 23rd and depart in the morning or afternoon on July 26th. The workshop organizers, Dr. Scott Santagata and Dr. Joseph Ryan, will lead participants through a series of computational exercises having the following goals:

(1) Construct orthologous gene assignments (OrthoFinder), prune paralogous genes (PhyloPYPPruner), align orthologous gene (MAFFT), and multi-gene phylogenetic relationships (IQ-TREE); (2) Establish collaborative research groups to test for genes under positive selection from diverse organisms and habitats (e.g., polar, terrestrial, marine, tropical) using genomic and transcriptomic datasets; (3) Evaluate current analytical methods for determining positive selection (e.g., PAML, HyPhy) and their statistical significance;

Participants are encouraged to work with their own NGS-based datasets, but sample datasets will also be provided and analyzed using a bioinformatics platform. Applicants with transcriptomic datasets that span ecological boundaries (e.g. high vs. low latitudinal habitats, marine vs. freshwater habitats, deep vs. shallow water habitats, etc.) will be given priority. However, anyone who is interested in learning these techniques is encouraged to apply.

Lodging will be provided at the Guy Harvey Resort in St. Augustine Beach, FL at no cost to participants (partici-

pants will be reimbursed for lodging). We will provide transportation between the hotel and the Whitney Laboratory where the workshop will take place. Funds will also be provided to offset the costs of round trip travel based on the number of participants and demonstrated need (participants will be reimbursed for travel costs). Workshop facilities and housing are in accordance with ADA guidelines and we will work with any participants needing accommodations. Details for reimbursable costs will be provided upon acceptance.

The workshop is open to all US and international participants. Researchers from underrepresented groups and/or with disabilities are particularly encouraged to apply. Workshop will include a code of conduct to help ensure a safe and inclusive space. The workshop will incorporate structured participation to ensure balance in participation and encourage inclusion. It will include activities that facilitate interaction within small groups. Mentorship opportunities will be facilitated through encouraging post-workshop interaction and mentoring.

To apply please visit http://ryanlab.whitney.ufl.edu/polar_workshop/. The application (due date: May 15, 2023) requires: A) Current CV, B) 400-word description detailing your research experiences and how this workshop fits into your overall career goals, and C) Estimated funds needed for round trip travel.

Scott Santagata, Associate Professor Department of Biology Life Sciences Building, Room 261 Long Island University-Post 720 Northern Blvd. Greenvale, NY 11548-1300 Phone: 516-299-3029 Website: <https://sites.google.com/site/scottasantagata/Labpage> Researchgate: https://www.researchgate.net/profile/Scott_Santagata Scott Santagata <Scott.Santagata@liu.edu>

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Switzerland
SMBEConsequencesOfDrive
TraineeTravel Jun12-17

Thanks to generous support from SMBE, we are hosting a satellite workshop on the genomic consequences of meiotic drive June 12-17 2023 in Switzerland. The goal of this workshop is to gather current and future leaders in the meiotic drive field to synthesize insights from recent evolutionary and functional genomics studies and

to develop future research priorities. New insights from well-established and newly-discovered meiotic drive systems from a wide range of taxa highlight the diversity of mechanisms, the emerging common themes, and the far-reaching effects drive has on shaping genome evolution.

The workshop will have a total of ~25 participants representing a diversity of systems and career stages. If you are a trainee who is interested in meiotic drive, please apply for a travel award to attend this workshop by Mar 15: <https://forms.gle/cdhGnwhay7Ys8KLF9>. Trainees from outside N. America and Europe are especially encouraged to apply.

More information here: <http://blogs.rochester.edu/larracuento/2023-smbe-workshop-on-evolutionary-and-genomic-consequences-of-drive/> Organizers: Anna Lindholm Amanda Larracuento Rob Unckless Daven Presgraves

Please direct questions about this posting to alarracu@bio.rochester.edu

“Larracuento, Amanda” <alarracu@UR.Rochester.edu>
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UGothenburg
PopulationGenomicDataAnalysis
Jun12-16

An introduction to bioinformatic tools for population genomic data analysis 12-16 June 2023

This course aims at detailed understanding and hands-on experience of using state of the art bioinformatics pipelines for one’s own biological research questions. An important aspect of the course is to show how genomic data can be applied to address and answer research questions in the fields of genetics, ecology, population biology, biodiversity monitoring and conservation. The students will be trained in the latest bioinformatic methods to analyze high throughput sequencing data, which is present in many research projects. The course will cover basic computing tools required to run command line applications, processing high throughput sequencing data of whole genome / exome / restriction site digested (RAD) DNA for population genomic studies.

The first part of the course introduces general computing tools for beginners such as the Unix command line

environment, bash commands, data formatting using regular expressions and basic scripting in the Unix shell with a series of examples and exercises using a remote server. The course introduces bioinformatics software for analysis of RAD-data, and downstream population genetic analysis of genotype data. The course also introduces basic and advanced concepts of population genomics data analysis such as genome assembly, alignment/mapping, SNP genotyping, PCA, outlier tests. The course corresponds to 1.5 week of full time studies and is composed of lectures, demonstrations and computer labs.

This course is an intense course given over 5 days time at the Tjil $\frac{1}{2}$ rnj $\frac{1}{2}$ Marine Laboratory on the west coast of Sweden.

There is no course fee. Students will need to provide their own means of transportation to and from the course and there will be a fee for accomodation and food.

The course will be open to a maximum of 18 students, as large parts of the course will consist of hands-on exercises. The aim is a broad mix of students both from the University of Gothenburg and from the outside, mainly PhD students but postdocs are also welcome to apply.

Knowledge of general molecular biology and genetics is necessary, as is some previous experience with command-line interfaces. Previous experience working on a remote server will also be beneficial. No previous bioinformatics skills are needed, however. Registration for the course is open until April 22nd 2023. To register: <https://fubasdoc.gu.se/fubasextern/info?kurs=NMAR302> For more information, please contact the course organizer Dr. Pierre De Wit at: pierre.de_wit[at]marine.gu.se

Pierre Raoul de Wit <pierre.de_wit@marine.gu.se>

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UNM Albuquerque SLiMEvolutionaryModeling Jun16-20

Hello EvolDir.— I'm pleased to announce our first in-person SLiM Workshop since the beginning of the COVID pandemic: June 16-20, 2023, at the University of New Mexico, in Albuquerque, New Mexico.— (Note that New Mexico is a state in the U.S., not in Mexico, for those unfamiliar with U.S. geography!).— It will be

hosted by Davorka Gulisija of UNM. It will be free, and open to participants outside of the university. HOWEVER, registration is required, a limited number of seats are available, and some seats will be reserved for registrants affiliated with UNM.— To apply, please send an email to BOTH Davorka and myself (dgulisija at unm * edu, bhaller at mac * com) with the info below. Priority for UNM applicants will end on 27 March; after that date it will be first-come-first-served for all remaining seats so that we can notify everyone of their acceptance in time to make travel arrangements.— (Please DO NOT make travel arrangements until you have been formally accepted to the workshop.)— Early application is advised; these workshops often fill to capacity.

As background: SLiM is a software package for creating evolutionary models/simulations that are individual-based and genetically explicit. It is scriptable, flexible, fast, and includes an interactive graphical modeling environment.— You can read more about it on its home page (<https://messerlab.org/slim/>).

Your application email should include: (1) your name, (2) your university or institutional affiliation, (3) a link to a research website or similar academic page, if you have one, (4) a 1-2 sentence description of your level of experience with SLiM and any other forward genetic simulation software, if any, (5) a 1-2 sentence summary of why you want to attend the workshop (i.e., the connection to your research), (6) 1-2 sentences about any specific topics within SLiM that you hope to learn about in the workshop, and (7) A sentence stating that you are up-to-date on your COVID vaccinations, including all booster shots recommended by the U.S. CDC.— Note that you may be required to provide proof of vaccination prior to attending.— Further information for attendees, including details on our COVID policy, can be found at http://benhaller.com/-workshops/workshops_attendees.html.— Note that you will be responsible for your own lodging and your own transportation. Please do not apply to the workshop unless you are sufficiently serious that you will actually attend, if accepted.

The plan is to cover all the major topics in the SLiM manual, starting with lots of introductory material to get beginners up to speed with SLiM and its associated scripting language Eidos, and ending up at advanced topics like non-Wright-Fisher models, tree-sequence recording, continuous-space models, nucleotide-based models, and multispecies models.— We won't cover everything in the manual - that would be overwhelming! - but we'll try to cover all the big topics.— There will also be time for attendees to work on their own models with help from me, and we may also have time to explore some optional side topics that are of particular interest to

those attending each workshop.— The workshop will be taught principally using SLiMgui, SLiM's graphical modeling environment.— SLiMgui is cross-platform on macOS, Linux, and Windows.— Every attendee will need their own laptop with SLiM and SLiMgui installed (see the info for attendees page for more information on software and hardware requirements).— Loaner laptops are sometimes available for workshops, for those who do not have one; please let us know if you will need one.

I'm hoping to continue doing workshops in future; if you would like to invite me to give a workshop at your institution, please send me an email (off-list).

Cheers,

Benjamin C. Haller Messer Lab Cornell University

Ben Haller <bhevoldir@sticksoftware.com>

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UTrento
PhylogeneticsMolecularClocks
Jun6-9

Dear all,

Registration is now open for the: *** ITA*PHY Workshop 2023 | Italian Phylogenetics Workshop 2023 (ITA-PHY2023)

Course that will take place on: *** Jun 6 - Jun 9, 2023, at the University of Trento - DICAM department, Trento, IT

Website: <https://sites.google.com/view/itaphylogeneticsworkshop/itaphy> This course is sponsored by the Italian Society for Evolutionary Biology (ISEB/SIBE) and by the University of Trento (Unitn)

Invited speakers: - Sandra Alvarez Carretero, University of Bristol - Benoît Morel, Heidelberg Institute of Theoretical Studies - Omar Rota-Stabelli, University of Trento

Course description: The field of phylogenetics is growing faster than ever: large-scale genome projects are generating an unprecedented amount of data and there is a parallel constant stream of novel approaches to properly use these resources for genome-scale phylogenetic inference. New approaches can now leverage multicopy gene families, so that phylogenetic inference is no longer restricted to the tiny fraction of single-copy genes. Bayesian approaches to divergence estimation can now analyze genome-scale datasets and hundreds of taxa. However, systematic biases are always looming and can distort our understanding of species and gene relationships. Technical and analytical advances can provide new insights into the evolution of genes and species, but they are not always easy to master.

Specifically, we will focus on the following topics: 1. Databases in phylogenetics/phylogenomics 2. Systematic bias in phylogenomics 3. Using multicopy gene families for phylogenetic reconstruction 4. Molecular clocks

This four-day workshop is designed to develop and consolidate the phylogenetic knowledge of young researchers and to provide a forum to discuss novel methodologies. It is organized by early-career scientists for early-career scientists (undergrads, Ph.D. students, early postdocs). The 2023 edition will be held at the University of Trento, in the beautiful setting of the Italian Alps. In addition to theoretical and practical lectures, interactions will be fostered through round tables, a session of flash talks by participants, and social gatherings.

*** REGISTRATION is open on the dedicated website: <https://sites.google.com/view/itaphylogeneticsworkshop/join> Applicants are required to submit a motivation letter. A maximum of 25 participants will be selected.

*** Application/abstract submission deadline: May 1, 2023. Applicants will be notified whether they have been accepted (or not) by May 5, 2023. The payment deadline for successful applicants is May 31, 2023.

On behalf of the organizers, Andrea Silverj

Andrea Silverj, PhD student @University of Trento

Andrea Silverj <andrea.silverj@unitn.it>

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Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to me at Golding@McMaster.CA. In addition, if it originates from ‘blackballed’ addresses it will be sent to me at Golding@McMaster.CA. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notification 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 L^AT_EX 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 formatted) 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 preformatting 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 L^AT_EX do not try to embed L^AT_EX or T_EX in your message (or other formats) since my program will strip these from the message.