E v o l D i r

October 1, 2008

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

Forward

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

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

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

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Conferences

Blanes Spain Biodiversity Feb10-13

Pre-registration is now open for the

II Congreso Nacional de Biodiversidad

to be held in Blanes (NE Spain) from 10 to 13, February 2009, sponsored by the Spanish Research Council (CSIC) and the Spanish Committee of Diversitas

Information about the venue, invited speakers, and registration can be found at

http://nodens.ceab.csic.es/biodiversidad/ Please note that, due to space limitations, we have to impose a limit of 150 participants, so those interested please preregister ASAP

We look forward to welcoming you in Blanes in February

For the organizing committee: Xavier Turon

Dept. of Aquatic Ecology Centre of Advanced Studies of Blanes Acces Cala S Francesc, 14 17300 Blanes (Girona) Spain

xturon@ceab.csic.es

xturon@ono.com

CardiffU PopGroup2008 Dec16-19

Announcing PopGroup 2008

Registration is now open for the Population Genetics Group Meeting 2008 which will take place at Cardiff University between 16th and 19th December. PopGroup is an informal meeting which brings together scientists working in population genetics and evolutionary biology, mainly, but by no means exclusively, from the United Kingdom and other European countries. All areas of evolutionary biology are covered and talks and posters from early career scientists are encouraged. Talk slots are allocated on a first-come-first-serve basis.

Please visit the PopGroup website: http://www.popgroup.org/ to find out more.

Additional information will become available over the next few weeks - informal inquiries can be made to the conference email address - PopGroup2008@Cardiff.ac.uk or to Mike Bruford (BrufordMW@Cardiff.ac.uk).

We look forward to welcoming you to Cardiff in Decem-

ber.

Mike Bruford

sbimwb@groupwise.cf.ac.uk

ChicagoBotanicGarden PlantConservation Nov1

SYMPOSIUM: STUDENT RESEARCH IN PLANT BIOLOGY AND CONSERVATION SATURDAY, NOVEMBER 1, 2008 CHICAGO BOTANIC GARDEN

REMINDER: Abstract deadline is Oct. 1, 2008.

The Chicago Botanic Garden is pleased to host the second annual Student Research in Plant Biology and Conservation Symposium, especially for graduate and undergraduate students to present their research. While the presenters are all students, faculty members and all those interested in plant biology are encouraged to attend. This will be a day-long event providing students with an early opportunity to present their research to colleagues. It is a wonderful chance for students with related interests and concerns to learn about the research of others, make contacts, and present their own work in a collegial and low-stress environment. The event will close with our invited keynote speaker, Sir Peter Crane.

For more information visit: http://-www.chicagobotanic.org/school/symposia/-symposia_SRPBC.php Any questions should be directed to Nyree Zerega Director of Graduate Program Plant Biology and Conservation http://-www.plantbiology.northwestern.edu Chicago Botanic Garden E-mail: nzerega@chicagobotanic.org Phone: 847-835-6916

nzerega@chicagobotanic.org

Eatonton Georgia SEPEEG Oct24-26 Registration

Just a reminder that registration for the 2008 SEPEEG meeting is now in full swing.

The 2008 SouthEastern Population Ecology and Evolutionary Genetics (SEPEEG) meeting will be held on the weekend of October 24 - 26.

The meeting will take place at Rock Eagle conference facility, which is in Eatonton, Georgia. Eatonton is about an hour east of Atlanta, and is easily accessible from Interstate 20.

Keeping with the tradition of SEPEEG, the 2008 meeting will be informal and accommodations will be on the rustic side. Talk and poster submissions are encouraged from undergrads, grad students, post-docs, and faculty.

Registration is $125 before September 20th, and $140 from September 20 - October 16. Registration closes on October 16, 2008. Registration includes housing for two nights (dorm style), five meals (breakfast Saturday through lunch Sunday), snacks, and social activities.

SEPEEG 2008: http://mendel.genetics.uga.edu/-index.php?page=sepeeg-2008 SEPEEG Registration: https://estore.uga.edu/C21653_ustores/web/store_main.jsp?STOREID5&SINGLESTORE=true Rock Eagle: http://www.georgia4h.org/public/-facilities/rockeagle/ default.htm

The meeting organizers are Kelly Dyer, David Hall, David Moeller, and the University of Georgia Genetics Department.

Please contact any of us with questions. We hope to see you there!

Kelly Dyer (kdyer@uga.edu) David Hall (davehall@uga.edu) David Moeller (dmoeller@uga.edu)

Kelly Dyer <kdyer@uga.edu>

FortCollins EvolutionOfPlague Nov4-6

Registration is now open for the "Symposium on the Evolution of Plague and its Effects on Wildlife." This meeting will be held in Fort Collins, Colorado, 4-6 November 2008.

For more information, please see http://-www.fort.usgs.gov/Plague/ A general agenda for the meeting is now posted at http://www.fort.usgs.gov/-Plague/Agenda.asp To register, please go to http:/-/www.fort.usgs.gov/Plague/Registration.asp Registration is $175 before September 26, 2008 and $190 thereafter.

Contact Information:

Laura E. Ellison Ecologist U. S. Geological Survey Fort Collins Science Center 2150 Centre Avenue, Bldg C Fort Collins, CO 80526-8118 Phone: (970) 226-9494 FAX: (970) 226-9230 Email: ellisonl@usgs.gov http://-www.fort.usgs.gov/ – Michael F. Antolin

Professor Department of Biology Colorado State University Fort Collins, CO 80523-1878 U.S.A.

e-mail: Michael.Antolin@ColoState.edu Voice: (1)-970-491-1911 FAX: (1)-970-491-0649

Short Grass Steppe Long Term Ecological Research project: http://sgslter.colostate.edu/ Colorado State University Plague Project: http://-rydberg.biology.colostate.edu/plagueweb/ Program of Interdisciplinary Mathematics, Ecology and Statistics (PRIMES) NSF IGERT Graduate Training Program http://www.primes.colostate.edu michael.antolin@colostate.edu

GalvestonIsland QuantitativeGenomics Feb22-27

Registration is now open for the 2009 Gordon Conference on Quantitative Genetics and Genomics, February 22-27, 2009.

https://www.grc.org/application.aspx?id=8785 After 11 amazing past conferences on the California Coast, the next Gordon Conference will be held in February 2009 (off-season for hurricanes!) on beautiful Galveston Island along the Gulf of Mexico. Total registration is capped, so early registration is recommended.

Our conference will kick off on Sunday evening February 22 with a have we been, where are we going perspective from Bill Beavis (Iowa State University), followed by our keynote lecture from Oliver Smithies (University of North Carolina V Chapel Hill), recipient of the 2007 Nobel Prize in Physiology or Medicine.

The conference will include sessions on Sources of Genetic Variation (e.g. copy number variation, RNAs), Non-Mendelian Inheritance (including transgenerational epigenetics), G x E Interactions (when the Es have their own Gs), Statistical Genetics/ Genomics, Genetic Basis of Phenotypic Evolution, GWAS, Architecture of Genome Sequence (and what we are learning from it), and Marker- Assisted Breeding in Agriculture (including countries).

The final program is nearing completion, and there are just a few last speakers to confirm. In the meantime, a partial list of speakers includes Carlos Bustamante (Cornell), Jenny Graves (The Australian National University), Richard Jorgensen (Arizona), Philipp Kapranov (Affymetrix), Loeske Kruuk (Edinburgh), Charles Lee (Harvard), Ruth Ley (Cornell), Theo Meuwissen (Norwegian University of Life Sciences), Minoo Rassoulzadegan (University of Nice), Fernando Pardo Manuel de Villena (UNC), Jean-Marcel Ribaut (CIMMYT), Paul VanRaden (USDA), Nik Schork (Scripps), Tom Whitman (Northern Arizona) and Trisha Wittkopp (Michigan).

As always, registrants are encouraged to present posters at the meeting. The evening poster sessions are often the most educational (and most fun) parts of the conference.

In addition to support from the Gordon Research Conferences, we are extremely grateful for financial contributions from the following sponsors: Monsanto, Pioneer Hi-Bred, SAS/JMP, PIC, Mars Symbioscience, Aviagen, Illumina, and GeneSeek. We are still seeking additional sponsorships, if your organization/company might be interested, please contact me.

See you in Galveston,

Daniel Pomp (dpomp@unc.edu), Chair

Peter Visscher (Peter.Visscher@qimr.edu.au), Vice-Chair

Patrick Phillips <pphil@uoregon.edu>

KansasCity GenomicsSymposium Nov14-16

Ecological Genomics Symposium, 11/14/08-11/16/08 in Kansas City

Registration is now open to attend the 6th Annual Ecological Genomics Symposium on November 14 - 16, 2008, at the InterContinental Hotel in Kansas City on the Country Club Plaza. The “Genes in Ecology, Ecology in Genes” Symposium will begin on Friday evening, November 14, and conclude at noon on Sunday, November 16. For more complete information regarding poster abstract submission, registration and hotel reservations, please visit our Symposium website, www.ecogen.ksu.edu/symp2008 .

FEATURED SPEAKERS:

Kathleen Donohue, Duke University, Seeds and seasons: Germination and life-history variation in Arabidopsis thaliana

Michael B. Eisen, University of California-Berkeley, Genomes and Genomics of Drosophila

William Jeffery, University of Maryland at College Park, Dark Caves and pleiotropy: Evolution of blindness in the Mexican cavefish, Astyanax

Carol Eunmi Lee, University of Wisconsin-Madison, Exploring genomics targets of selection during habitat invasions

Bryant F. McAllister, University of Iowa, Genome structure and local adaptation

Leonie C. Moyle, Indiana University, Salad Speciation: Genetics of adaptation and reproductive isolation in Solanum

Patrick Phillips, Center for Ecology and Evolutionary Biology, University of Oregon, Perception and environmental context: The ecological genomics of the response to temperature, chemicals, and food within the nematode C. elegans and its relatives

Ralf J. Sommer, Max Planck Institute for Developmental Biology, Tuebingen, Germany, Tritrophic interactions of Pristionchus nematodes with beetles and bacteria

Stephen M. Welch, Kansas State University, Floral gene pathway sensitivity estimation by photothermal modeling

Mark Young, Montana State University-Bozeman, Viral population dynamics in Yellowstone's hot springs

POSTER ABSTRACTS:

Please submit your poster abstract online before Tuesday, October 14, 2008. Abstract submission guidelines are available at: www.ecogen.ksu.edu/symp2008. A limited number of submitted poster abstracts will be selected for oral presentation.

If you have questions, please contact us at (785) 532-3482 or ecogen@ksu.edu. Additional information about this interdisciplinary research initiative is available at www.ecogen.ksu.edu.

DEADLINES:

10/14/08 Poster Abstracts are due

10/14/08 Early Registration (Fees increase on 10/15/08)

10/14/08 Hotel Reservations

Symposium Organizing Committee:

Michael Herman, Co-Chair, Division of Biology

Loretta Johnson, Co-Chair, Division of Biology

Ted Morgan, Division of Biology

Tim Todd, Department of Plant Pathology

Kun Yan Zhu, Department of Entomology

Lindsey Fallis, Graduate Representative, Biology

Funding for this symposium is provided by Kansas State University Targeted Excellence program.

Ecological Genomics Institute

Project Directors:

Dr. Loretta Johnson and Dr. Michael Herman

Kansas State University

by

Doris Merrill, Program Coordinator

104 Ackert Hall, Manhattan, KS 66506-4901

(785) 532-3482, dmerrill@ksu.edu

www.ecogen.ksu.edu < http://www.ecogen.ksu.edu/ >

dmerrill@k-state.edu

Paris SpatialEvolutionaryDynamics Oct17 CallForAbstracts

Apologies if you receive multiple copies of this announcement. Please kindly help forward it to potentially interested colleagues and students.

SPATIAL EVOLUTIONARY DYNAMICS WORKSHOP Institut des Systemes Complexes (ISC), Paris, October 17, 2008 This workshop addresses the special features of evolutionary dynamics that occur in explicitly spatial models compared with traditional mean field models.

The aim is to bring together scientists studying the effects of spatial extent ("isolation by distance") and configuration on evolutionary dynamics. Authors are invited to submit a 1-page abstract on their research, or on a review and discussion about any aspect of spatial evolutionary dynamics. Contributions may be original or already published (please specify when submitting).

Keynote speaker: Paulien Hogeweg < http://www-binf.bio.uu.nl/ph > Organizing committee: Guy Hoelzer and Rene Doursat Workshop Website: http:/-

/www.iscpif.fr/SED2008 OVERVIEW Evolutionary theory remains largely entrenched in the lessons of mathematical models assuming well-mixed populations, or sets of subpopulations without any spatial configuration (the so-called "island model" of migration), which cannot exhibit the emergence of spatial pattern or its influence on evolutionary rates. However, these behaviors have been routinely observed in spatially explicit computational models of the evolutionary process (usually agent-based) developed in recent years, and they represent general aspects of complex systems theory.

This is a very important trend for evolutionary theory as diversification of types is the central concept of evolutionary biology. Darwin established this as the core idea of evolution with the title of his book on "the origin of species". Now is an ideal time to identify and characterize the spatially explicit computational modeling approach for understanding the evolutionary process. There have been over 100 papers published exploring spatially explicit computational evolution models, which appear to present a consistent message revealing inadequacies of neo-Darwinistic mean-field models and calling for a new understanding of spatio-temporal evolutionary dynamics. For example, extending models of evolving populations in one or more spatial dimensions seems to frequently (always?) tend toward spatial self-organization (population subdivision/speciation) and enhance ecological and social adaptation (including the evolution of cooperation). We hope that interactions during this workshop will help to clarify which aspects of traditional evolutionary theory are generally challenged by these models.

To give an example, here is a link to a recent paper by the organizers exploring parapatric speciation in the absence of environmental influences: http://www.ploscompbiol.org/article/-info:doi/10.1371/journal.pcbi.1000126 CALL FOR ABSTRACTS * Important Dates: > * Deadline for abstract submission: Tuesday, September 30 > * Notification of acceptance: Friday, October 3 * Abstracts should be submitted electronically by email addressed to both organizers: Guy Hoelzer (hoelzer@unr.edu) and Rene Doursat (rene.doursat@polytechnique.edu). * The number of speakers is limited to 12 and the total number of attendees to 35. * Submissions will be reviewed based on their relevance to the workshop, clarity, and overall quality. * If you only want to attend without giving a presentation, please notify the organizers by email. * There is no registration fee for this workshop.

TOPICS OF INTEREST While we anticipate that most presentations will describe particular models and their behavior, contributions and viewpoints about the following topics are especially encouraged:

* Similarities and differences in modeling approaches and assumptions. * Similar and dissimilar outcomes (behaviors) of alternative spatially explicit evolutionary models or empirical examples. * To what extent do our efforts represent a major paradigm shift for evolutionary biology. If this is a significant paradigm shift, then how do we most effectively communicate the new perspective to colleagues during the transition? * What role should traditional mean-field theory of population genetics play in the future? * Can we begin to prescribe a framework to guide the development of future spatially explicit computational models of evolution? * Finally, what possible transfers and applications could be created toward artificial evolution of spatially distributed devices?

PROGRAM The details of the program will be announced once we have a list of scientists interested in presenting at the workshop. All speakers will be asked to give relatively brief (around 30mn) presentations about their models and/or views about such models. The workshop will conclude with a

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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

Salzburg DiversitySelectionAdaptation Nov26-28

ESF â WORKSHOP:

Diversity, selection and adaptation in wildlife and livestock â molecular approaches

!!! Deadline for registration: 20.09.2008 !!!

The European Science Foundation ESF financially supports scientific workshops in the field of integrating population genetics and conservation biology. This year a workshop will be held from 26.11.2008 to 28.11.2008 in Salzburg, one of Austriaâs most attractive towns.

The main goals of the workshop are to stimulate the interaction between wildlife diversity and animal breeding research as well as to integrate quantitative and molecular approaches to the estimation of fitness as

conservation value. The following invited lectures of experts will be presented:

Whatâs in a breed: criteria for conservation (J.A. Lenstra) Cranes, primates and zebu cattle: a rational framework to derive conservation priorities (H. Simianer) Genetics of African cattle domestication and signatures of selection (D. Bradley) Functional tests of selected alleles â a case study in Drosophila (C. Schloetterer) Tracing cattle to trace shepherds; the origin of the Etruscans (P. Ajmone Marsan) Genetic variation in domesticated cattle and wild aurochs using modern and ancient DNA (C. Edwards) Genetic diversity and population stratification (S. Weigend) Quantitative genetic analysis of selection trade-offs in natural populations: can we define relevant fitness landscapes? (K. Foerster) Wolf conservation and wolf âdog interactions (E. Randi) Heterogeneous founder effects on inbreeding depression (R. Baumung)

The workshop is aimed at young in scientists in population genetics and conservation biology. The ESF will cover partly your travel expenses, accommodation and meals during the workshop. We would highly appreciate if you could join us in making the workshop a success by contributing a short presentation. Please be aware that the number of contributing participants is limited to 20 participants. The DEADLINE for sending abstracts and registration is SEPTEMBER 20. Priority is given to participants coming from a country which financially supports the ConGen- Programme. These are: Austria, Belgium, Croatia, Czech Republic, Denmark, Finland, France, Hungary, Italy, Netherlands, Norway, Spain, Sweden and Turkey

For more information and registration details please check the website of the workshop: http://-www.nas.boku.ac.at/12718.html or contact Roswitha Baumung: roswitha.baumung@boku.ac.at

The organisers:

Prof. Dr. H. Simianer, University of Göttingen, Albrecht-Thaer-Weg 3, 37075 Goettingen, Germany Dr. J.A. Lenstra, Faculty of Veterinary Medicine, Utrecht University, Yalelaan 2, 3584 CM Utrecht, The Netherlands Dr. R. Baumung, University of Natural Resources and Applied Life Sciences Vienna, Gregor Mendel Str. 33, 1180 Vienna, Austria

Assoc.Prof. Dr. Roswitha Baumung University of Natural Resources and Applied Life Sciences Vienna Division of Livestock Sciences

Gregor-Mendel-Strasse 33 A-1180 Vienna, Austria Tel.: +43-1-47 654-3272 e-mail: roswitha.baumung@boku.ac.at

Roswitha Baumung <roswitha.baumung@boku.ac.at>

SanDiego DrsophilaEvolution Nov23

The Drosophila Species Stock Center in San Diego will host a special symposium on Drosophila Taxonomy, Evolution and Genetics. This symposium will be held on Sunday 23 November 2008 and will address proposed taxonomic changes in the genus Drosophila and their implications to the fields of genetics, evolution, development and neurobiology. Participants include Michael Ashburner, Gerhard Baechli, Rob DeSalle, Kenneth Kaneshiro, Thom Kaufmann, William McGinnis, and Masanori Toda.

Registration for this event is $150 and includes a Saturday night banquet at the Birch Aquarium, buffet lunch on Sunday and a contributed poster session. Details can be found at: https:// stockcenter.ucsd.edu/info/workshopschedule2008.php#Symposium

Please contact Dr. Therese Markow (tmarkow@ucsd.edu) or Dr. Patrick O'Grady (ogrady@nature.berkeley.edu) for additional information.

Therese Markow <tmarkow@ucsd.edu>

SanDiego PopulationGenomics Jan10-14

Call for abstracts Oral and Poster presentations

Population and Conservation Genomics Workshop (http://www.intl-pag.org/17/17-pop-con.html) January 10-14, 2009 Town and Country Convention Centre, San Diego, California http://www.intl-pag.org/ A workshop on Population and Conservation Genomics will be held at the XVII Plant and Animal Genome conference. You are invited to attend this Workshop and submit an abstract for oral or poster presentations on any population and conservation genomics aspect of both plants and animals. The topics may include: population genomic diversity and structure; molecular evolution; adaptive molecular genetic variation; selection signatures; candidate-gene and genome-wide association studies; application

of genomics in conservation and management of genetic resources; genomic effects of domestication, management practices, fragmentation, bottlenecks, climate change, and transgenic deployment; molecular breeding and gene conservation; etc.

Oral presentations Six oral presentations will be selected from the submitted abstracts. Each of the first six speakers will receive a $100 discount in their registration fees. Please send your abstract of no more than 250 words by e-mail to Om Rajora (Om.Rajora@unb.ca) as an attached Word file no later than October 3rd, 2008. You will be notified by October 10th whether your abstract has been selected for an oral presentation. Authors whose abstracts not selected for oral presentations are highly encouraged to present a poster at the PAGs Population and Conservation Genomics poster session.

Poster presentation If you wish to present a poster, please submit your abstract directly on-line using PAGs web site (http://www.intl-pag.org/17/17-abstracts.html). The deadline is October 3, 2008.

Inquiries For information and questions regarding the Population and Conservation Genomics workshop, please contact Om Rajora at the following coordinates. Dr. Om P. Rajora, Canada Research Chair in Forest and Conservation Genomics and Biotechnology, Faculty of Forestry and Environmental Management, University of New Brunswick, Fredericton, NB E3B 6C2, Canada. Tel: (902) 494-2400 or (506) 453-4501 Fax: (902) 494-3736 or (506) 453-3538 E-mail: Om.Rajora@unb.ca

Om Rajora <Om.Rajora@unb.ca>

SanFrancisco ElementsEvolution Dec10-15

Greetings! There will be a session at the 2008 Fall AGU Meeting in San Francisco, CA, of special interest to the EvolDir community. The title of the session is "Elements and Evolution". The session description is given below. We are particularly keen on making this as interdisciplinary and exciting as we can by welcoming evolutionary biologist, geneticists, bioinformaticians, and all other biology types to join us.

We encourage you and your research colleagues, postdocs and students to consider contributing and attending.

Please spread the word!

Note that the deadline for Fall AGU abstract submission is SEPT. 10. The meeting dates are Dec. 10 - 15.

We hope to see many of you there!

Ariel, Kurt and Felisa

Session No: B42

Title: Elements and Evolution

Organizers: A. D. Anbar, K. Konhauser, F. Wolfe-Simon

Featured speakers (confirmed): S. Benner, A. Kappler, T. Lyons, F. Morel and M. Saito

Living things are comprised of a non-random selection of major biogenic elements (C, H, O, N, P and S) and trace metals (e.g., Fe, Cu, Ni, Mo and V). The abundances of these elements in the oceans, and their chemical forms, have changed dramatically through time, particularly in response to the progressive oxygenation of the oceans and atmosphere. The evolutionary consequences of the intersection between biochemistry and Earth history are likely to be profound, but at present are only dimly discerned. A key obstacle to progress is that researchers informed about the evolution of Earth's surface chemistry rarely overlap with those concerned with the elemental requirements of microbes. This session seeks to bring together researchers studying the element requirements of organisms from multiple perspectives, ranging from molecular biology to ecology to those studying changes in element availability and associated environmental conditions across multiple timescales.

http://www.agu.org/meetings/fm08/index.php/-Program/SessionSearch/?show=3Ddetail&sessid=658

Felisa Wolfe-Simon, PhD NSF Research Fellow Lab. for Molecular Biogeochemistry and Organic Geochemistry Dept. of Earth and Planetary Sciences Harvard University 20 Oxford Street/Cambridge, MA 02138 m:732-718-8855/p:617-495-8339/f:617-496-4387 www.ironlisa.com ironlisa@gmail.com

ScottsdaleArizona FishPopulations Nov18-20 CallForAbstracts

Greetings!!

We would like to invite the submission of abstracts re-

lated to "native fishes propagation, stocking and genetic management" for the Colorado River Basin Science and Resource Management Symposium to held in Scottsdale, Arizona November 18-20, 2008. Evolutionary theory has provided insight into the dynamics of fish population for decades, and we would welcome abstracts focused on how evolutionary processes affect fish populations, and how that information can be used to guide management decisions. While the meeting is focused on the Colorado River system, we would welcome examples of how genetics is used to enhance fishery management in other regions. The meeting information, including abstract submission information, is located at the Watereducation.org website.

Regards, Connie

Connie Keeler-Foster, Ph.D.

Connie_KeelerFoster@fws.gov

StonyBrook Darwin09Symposium Nov5-8

The National Science Foundation has officially approved the proposal for a symposium on the status of evolutionary theory to be held at Stony Brook University on November 5-8. The list of invited speakers is already complete (there will not be contributed talks or posters, since the idea is to allow time for formal and informal discussion sessions) and can be found at:

http://darwin09.org/ Registration is not open yet, but it will soon, and we will announce it through evoldir and related outlets. Please, mark your calendars and plan to attend!

Cheers, Massimo Pigliucci Walt Eanes Doug Futuyma Jessica Gurevitch Jeff Levinton

~~~ Prof. Massimo Pigliucci 650 Life Science Bldg. Stony Brook University Stony Brook, NY 11794 1-631-632-1097 genotypebyenvironment.org platofootnote.org "Truth springs from argument amongst friends." - David Hume

massimo.pigliucci@gmail.com

UCaliforniaSanDiego DrosophilaSpecies Nov20-23

The 8th Annual Drosophila Species Workshop will be held at UCSD November 20-23, 2008. For the complete announcement and details see https://stockcenter.ucsd.edu/info/-workshopschedule2008.php#Workshop To apply contact:

Therese Markow tmarkow@ucsd

or

Patrick O'Grady ogrady@nature.berkeley.edu

Therese Ann Markow, Professor Amylin Chair in Life Sciences Section of Ecology Behavior and Evolution Division of Biological Sciences Muir Biology Building 2215 9500 Gilman Drive University of California at San Diego La Jolla, CA 92093-0116

Email: tmarkow at ucsd.edu Phone: (858) 246 0095 Laboratory: (858) 246 0402 FAX:(858) 534-7108

http://biology.ucsd.edu/labs/markow/ http:/-/stockcenter.ucsd.edu Therese Markow <tmarkow@ucsd.edu>

UCIrvine MEEGID IX Oct30-Nov1 DNABarcoding

MEEGID IX, University of California at Irvine, 30 October - 1 November 2008 http://www.th.ird.fr/-site_meegid/menu.htm SYMPOSIUM ON DNA BARCODING

Speakers interested in presenting on applications of DNA barcoding (hosts, pathogens, vectors) in molecular epidemiology and infectious disease research at the 9th International Meeting "Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases" (MEEGID IX), held at UC Irvine, California, should contact the convenor, Sergios-Orestis Kolokotronis (koloko@amnh.org) with a CC to the principal organizer, Michel Tibayrenc (Michel.Tibayrenc@ird.fr) by 15 September.
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Sergios-Orestis Kolokotronis, PhD Coordinator, DNA Barcoding Initiative for Conservation Sackler Institute for Comparative Genomics American Museum of Natural History Central Park West at 79th Street New York, NY 10024 -USA- tel +1 212 313 7648 koloko@amnh.org http://softlinks.amnh.org http://-congen.amnh.org http://koloko.net — MEEGID IX is co-organized by the University of California at Irvine (http://www.uci.edu) and the Institut de Recherche pour le Developpement (IRD; http://www.ird.fr) in France. Principal organizers are Francisco J. Ayala (Dept of Ecology and Evolution, UC Irvine) and Michel Tibayrenc (IRD).

Communications on genetics, genomics, proteomics, phylogenetics, population biology, mathematical modeling, and bioinformatics are welcome. They can report on the host, the pathogen, or the vector for vector-borne diseases. Papers considering host + pathogen or pathogen + vector (co-evolution) are particularly encouraged. All pathogens are within the scope of MEEGID: viruses, parasitic protozoa, helminths, fungal organisms, and prions. All infectious models can be explored, including those of veterinary or agronomical relevance.

Confirmed Speakers

Francisco J. Ayala (Dept Ecology and Evolution, UC Irvine): (i) Evolution of malaria; (ii) Darwin's Revolution

Robin Bush (Dept Ecology and Evolution, UC Irvine, California): Influenza Evolution

Koussay Dellagi (Centre for Research and Surveillance of Emerging Diseases in the Indian Ocean). Chikungunya epidemics

Appolinaire Djikeng (J. Craig Venter Institute, Rockville, Maryland, USA) Viral genomics

Sunetra Gupta (University of Oxford, UK) The role of immune selection on pathogen population structure

Henry Harpending (University of Salt Lake City): Infectious Diseases and Human Evolution

Austin Hugues (University of South Carolina, Columbia) The Importance of Purifying Selection in Pathogen Evolution

Tovi Lehmann (NIAID, NIH). Vector population genetics and genomics

James Musser (Cornell University, New York) Molecular Genetic Basis of Group A Streptococcus Epidemics

Martine Peeters (IRD Montpellier, France). HIV molecular evolution

Anne Rimoin (UC Los Angeles) : implementing active surveillance of human monkeypox in the democratic republic of Congo

Michel Tibayrenc (IRD, Bangkok, Thailand): Integrated evolutionary epidemiology: where are we now?

Nathan Wolfe (UC Los Angeles): Viral forecasting

The MEEGID meetings are organized in synergy with the new journal Infection, Genetics and Evolution (Elsevier; http://www.elsevier.com/locate/meegid) , covering the same scientific topic. Launched only 6 years ago, Infection, Genetics and Evolution is now published with six issues per year, and has been indexed by Medline and Index Medicus, starting from the first issue. It has been quoted 3.5/5.0 ("very good") by the US National Library of Medicine. It is now covered by ISI and the official impact factor for 2007 is 2.407 (ISI Web of knowledge).

The papers communicated for MEEGID IX will be published in a special issue of Infection, Genetics and Evolution, as already done for MEEGID VI (Paris, July 2002) and MEEGID VIII (Bangkok, Thailand, November 2006). MEEGID IX will include 10-15 plenary lectures, about 20 specialized symposia, 12-15 "express-debates" (a 20-min presentation by a single speaker followed by 40 min of free discussion) and several poster sessions.

Special emphasis through plenary lectures and symposia will be given to health problems of particular interest to mediterranean and tropical countries: AIDS, malaria, tuberculosis (especially multidrug resistant TB), sleeping sickness, leishmanioses, Chagas disease, ebola, bird flu, Chikungunya, as well as cattle and crop pathogens. Plenary lectures and symposia will also deal with transversal topics such as population genetics or species concepts. The congress is open to proposals for conferences and symposia.

Awards will be attributed to the best oral communication, the best

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UCIrvine MEEGID IX Oct30-Nov1 RegistrationOpen

MEEGID IX University of California at Irvine, 30th October-1st November 2008

PLEASE CIRCULATE

The 9th International Meeting "Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases" (MEEGID IX), to be held at UC Irvine, California, is still open to registration and communications (oral and posters).

MEEGID IX is co-organized by the University of California at Irvine (http://www.uci.edu/) and the Institut de Recherche pour le Développement (IRD; http://www.ird.fr/) in France. Principal organizers are Francisco J. Ayala (Dept Ecology and Evolution, UC Irvine) and Michel Tibayrenc (IRD).

Communications on genetics, genomics, proteomics, phylogenetics, population biology, mathematical modeling, and bioinformatics are welcome. They can report on the host, the pathogen, or the vector for vector-borne diseases. Papers considering host + pathogen or pathogen + vector (co-evolution) are particularly encouraged. All pathogens are within the scope of MEEGID: viruses, parasitic protozoa, helminths, fungal organisms, and prions. All infectious models can be explored, including those of veterinary or agronomical relevance.

Confirmed Speakers:

Francisco J. Ayala (Dept Ecology and Evolution, UC Irvine): (i) Evolution of malaria; (ii) Darwin's Revolution

Robin Bush (Dept Ecology and Evolution, UC Irvine, California): Influenza Evolution

Appolinaire Djikeng (J. Craig Venter Institute, Rockville, Maryland, USA) Viral genomics

Sunetra Gupta (University of Oxford, UK) The role of immune selection on pathogen population structure

Henry Harpending (University of Salt Lake City): Infectious Diseases and Human Evolution

Austin Hugues (University of South Carolina, Columbia) The Importance of Purifying Selection in Pathogen Evolution

Tovi Lehmann (NIAID, NIH). Vector population genetics and genomics

James Musser (Cornell University, New York) Molecular Genetic Basis of Group A Streptococcus Epidemics

Martine Peeters (IRD Montpellier, France). HIV molecular evolution

Anne Rimoin (UC Los Angeles) : implementing active surveillance of human monkeypox in the democratic republic of Congo

Michel Tibayrenc (IRD, Montpellier,France): Integrated evolutionary epidemiology: where are we now?

Nathan Wolfe (UC Los Angeles): Viral forecasting

The MEEGID meetings are organized in synergy with the new journal Infection, Genetics and Evolution (Elsevier; http://www.elsevier.com/locate/meegid), covering the same scientific topic. Launched only 6 years ago, Infection, Genetics and Evolution is now published with six issues per year, and has been indexed by Medline and Index Medicus, starting from the first issue. It is now covered by ISI and the official impact factor for 2007 is 2.407 (ISI Web of knowledge).

The papers communicated for MEEGID IX will be published in a special issue of Infection, Genetics and Evolution, as already done for MEEGID VI (Paris, July 2002) and MEEGID VIII (Bangkok, Thailand, November 2006). MEEGID IX will include 10-15 plenary lectures, about 20 specialized symposia, 12-15 "express-debates" (a 20-min presentation by a single speaker followed by 40 min of free discussion) and several poster sessions.

Special emphasis through plenary lectures and symposia will be given to health problems of particular interest to mediterranean and tropical countries: AIDS, malaria, tuberculosis (especially multidrug resistant TB), sleeping sickness, leishmanioses, Chagas disease, ebola, bird flu, Chikungunya, as well as cattle and crop pathogens. Plenary lectures and symposia will also deal with transversal topics such as population genetics or species concepts. The congress is still open to proposals for conferences and symposia.

Awards will be attributed to the best oral communication, the best oral communication by a scientist from the Southern World on a problem specifically relevant to these areas, the best oral communication by a student, and the best communication by poster. Each prize winner will be offered a free 2-year membership to Infection, Genetics and Evolution.

The abstract submission deadline is the 30th September 2008. Later submissions are accepted, but could possibly be not included in the congress book.

Registration Fee: 200.00 euros or equivalent in other currencies. Reduced fees upon request for scientists from developing countries who do not have international funds. Registration fees are waived for students.

Registration and abstract submission on: http://www.th.ird.fr/site_meegid/meegid_registration.html
More information available at: http://www.th.ird.fr/site_meegid/menu.htm Michel.Tibayrenc@ird.fr

UMass GeneticBasisPlantAdaptation Oct18 FreeRegistration

Dear Colleagues:

This is a reminder that registration for the 6th Annual Symposium in Plant Biology at the University of Massachusetts Amherst:

ECOLOGICAL GENOMICS: THE GENETIC BASIS OF PLANT ADAPTATION

is open until Friday, October 4, 2008. This is a FREE event, but registration is required.

The symposium will occur on Saturday, October 18, 2008, 9 am to 6 pm. The annual UMass PB symposium is an initiative of the Plant Biology Graduate Program designed to highlight an exciting area of plant biology each year. We strongly encourage interested postdocs, graduate students, and undergraduates to attend and present posters on any topic of their research in plant biology.

Online registration is available through the symposium webpage:

http://www.bio.umass.edu/plantbio/-symposium08.html We hope you can join us for the great talks and fall foliage!

Best Regards,

Ana Caicedo (caicedo@bio.umass.edu) Lynn Adler (lsadler@ent.umass.edu)

2008 PB SYMPOSIUM PRESENTERS:

EDWARD BUCKLER USDA-ARS Research Geneticist and Department of Plant Breeding and Genetics Cornell University "Complex Trait Genetics in Diverse Maize"

SCOTT HODGES Ecology, Evolution & Marine Biology University of California, Santa Barbara "Speciation and adaptation in Aquilegia: from field to genomic studies."

THOMAS MITCHELL-OLDS Department of Biology, Duke University "Nucleotide polymorphisms and their ecological consequences in natural plant populations"

ROBERT THORNBURG Department of Biochemistry, Biophysics and Molecular Biology Iowa State University "Molecules of nectar: The food of the gods and the pilfering pollinators"

CYNTHIA WEINIG Department of Botany & Program in Ecology University of Wyoming "Quantitative variation in circadian rhythms and plant adaptation to heterogeneous environments"

STEPHEN WRIGHT Department of Ecology and Evolutionary Biology University of Toronto "Population genomics of plant adaptation in Arabidopsis and Capsella"

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Ana L. Caicedo, Ph.D. Assistant Professor 221 Morrill Science Center phone: (413) 545-0975 Biology Department fax: (413) 545-3243 University of Massachusetts email: caicedo@bio.umass.edu Amherst, MA 01003 http://www.bio.umass.edu/biology/caicedo caicedo@bio.umass.edu caicedo@bio.umass.edu

UMichigan UsingPhylogenies Mar14

CALL FOR NOMINATIONS

5th ANNUAL UNIVERSITY OF MICHIGAN EARLY CAREER SCIENTISTS SYMPOSIUM:

USING PHYLOGENIES IN ECOLOGY

The Ecology and Evolutionary Biology department at the University of Michigan invites the nomination of outstanding scientists early in their careers to take part in a symposium focused on using phylogenies to address ecological questions. This symposium will be held in Ann Arbor, Michigan on Saturday, March 14, 2009. Eight scientists will be selected to present their work. All research related to the use of phylogenetic information to interpret and understand ecological processes and patterns will be considered, and we particularly encourage nomination of researchers who are attempting to elucidate general principles or novel approaches.

Early career scientists are defined as senior graduate students (will receive their Ph.D. within one year) or postdoctoral researchers. Potential speakers should be nominated by their advisor or a senior colleague.

Nominations must include a brief letter of recommendation addressing both the nominee[1]s scientific and communication skills, a copy of the nominee[1]s curriculum vitae, and a brief abstract of the proposed presentation (< 200 words, written by the nominee). Nominations can be sent electronically (in a single file) to kuhnlein@umich.edu with the subject line: [3]Nominee

for ECSS[2] or by mail to [3]Early Career Scientists Symposium, Department of Ecology and Evolutionary Biology, 2019 Natural Science Bldg., 830 North University, Ann Arbor, MI 48109-1048[2]. More information is available at http://sitemaker.umich.edu/ecss2009 All nominations must be received by November 15, 2008. Selected participants will be contacted by December 1, 2008.

For more information, contact Gail Kuhnlein (kuhnlein@umich.edu).

2009 ECSS organizing committee:

Dr. Deborah Goldberg (degold@umich.edu), Dr. Chris Dick (cwdick@umich.edu), Brian Sedio (bsedio@umich.edu), Celia Churchill (celiakc@umich.edu). http://www.eeb.lsa.umich.edu Christopher Dick <cwdick@umich.edu>

UZurich PaulWardSpermCompetition Oct25 Final

Dear colleagues

This is the FINAL announcement of our

Symposium on sexual selection, sperm competition & cryptic female choice

in honor of our friend and colleague Paul Ward, who died prematurely of cancer earlier this year,

Saturday 25 October 2008 (the day of his 50th birthday) at the University of Zurich-Irchel, Switzerland, Lecture hall Y15-G-55

The symposium will be a whole-day affair, with talks approximately from 8:30 - ca. 18:30 h. In the evening we shall have dinner together in a local restaurant. There will be NO registration fee, but attendants other than the invitees will have to pay for their travel, lodging and dinner themselves. Please arrange via the available web sites (http://www.zuerich.com/en/-welcome.cfm). (Invited speakers will stay at the Hotel Coronado close to the Irchel campus.)

Everybody is welcome to attend! If you plan to attend, and if you have not already done so, we would appreciate a brief e-mail to the address given below (Wolf Blanckenhorn), so we can judge attendance. Please include whether you want to have dinner with us for reservation purposes.

Please forward this message to anybody interested, and reserve the date.

Below the program (a PDF version will be sent upon request):

8.30 - 8.45 h Wolf Blanckenhorn, Zurich, CH INTRODUCTION 8.45 - 9.15 h Geoff Parker, Liverpool, UK Sperm competition in dung flies 9.15 - 9.45 h Tim Birkhead, Sheffield, UK Cryptic female choice 9.45 - 10.10 h Leigh Simmons, Perth, AUS Sexually selected sperm and competitive fertilization success in dung beetles 10.10 - 11.00 h Coffee Break 11.00 - 11.10 h Introduction of Paul Ward's last PhD students 11.10 - 11.30 h Marco Demont, Zürich The assessment of insemination success using competitive PCR 11.30 - 11.50 h Karin Thueler, Zürich Genetic and condition-dependent variation in sperm storage organ investment of female yellow dung flies 11.50 - 12.10 h Sonja Sbilordo, Zürich Sperm use at fertilization by yellow dung fly females 12.10 - 12.30 h Christian Wüst, Zürich The fluid dynamics of dung fly sperm flow 12.20 - 14.00 h Lunch Break 14.00 - 14.25 h David Hosken, Exeter, UK Aspects of sperm competition in yellow dung flies 14.25 - 14.50 h Matt Gage, Norwich, UK Some things insects have taught us about sperm competition 14.50 - 15.15 h Luc Bussière, Stirling, UK The complexity of male-female interactions during mating 15.15 - 15.40 h Scott Sakaluk, Illinois, USA Cryptic female choice in crickets 15.40 - 16.25 h Tea Break 16.25 - 16.50 h Nina Wedell, Exeter, UK Selfish genes and sperm competition 16.50 - 17.15 h Tim Karr, Tempe, USA The molecular side of Paul: Big ideas from the big guy 17.15 - 17.40 h Rhonda Snook, Sheffield, UK The evolutionary significance of dud sperm: sperm competition and female spermicide 17.40 - 18.05 h Tracey Chapman, Norwich, UK Sperm competition: insights into mechanisms using Drosophila, or - my summers in Zurich 18.05 - 18.30 h Scott Pitnick, Syacuse, USA Ejaculate-female interactions

19.30 - 20.30 h Tram Apéro 20.30 - 24 h Symposium Dinner; Special guest: Pat Monaghan, Glasgow University, UK

Best regards,

Dr. Wolf Blanckenhorn Zoological Museum University of Zurich-Irchel Winterthurerstrasse 190 CH-8057 Zurich

Phone: +41 44 635.47.55 Fax: +41 44 635.47.80 E-mail: wolf.blanckenhorn@zm.uzh.ch http://www.zm.uzh.ch/zmneu/forschung/-blanckenhorn_wolf.html http://www.esf.org/-thermadapt wolfman@zm.uzh.ch

Venezuela LatinAmericanConservationGenetics Jan20-31

Curso Latinoamericano V Taller de Genética para la Conservación Venezuela, 20-31 de Enero de 2009. Fecha tope para pre-inscripciones: 15 de octubre 2008.

La Red de Genética para la Conservación (ReGeneC) anuncia la realización del V Taller Latinoamericano de Genética para la Conservación: la ecología molecular al servicio de la conservación de especies silvestres, a desarrollarse del 20 al 31 de enero del 2009, en Venezuela, en las afueras de la ciudad de Valencia. Está organizado por ReGeneC, con la participación de la Universidad Simón Bolívar (USB), el Instituto Venezolano de Investigaciones Científicas (IVIC), la Universidad Nacional Experimental Francisco de Miranda (UNEFM) y el Centro Internacional de Ecología Tropical (CIET). El curso es patrocinado por el Programa de Biotecnología para Latinoamérica y el Caribe de la Universidad de las Naciones Unidas (UNU-BioLAC), la American Genetic Association (AGA), la USB, el IVIC, la UNEFM, el CIET, entre otras instituciones.

El V Taller de Genética para la Conservación es un curso a nivel de post-grado, intensivo, orientado a dar una visión integral de los diferentes aspectos asociados a la aplicación de la genética, y ciencias relacionadas, para solucionar problemas de conservación (in situ y ex situ). Está dirigido a estudiantes de post-grado o profesionales, residenciados en América Latina, que se encuentran en la etapa de diseño o en la fase inicial del desarrollo de su tesis o proyecto, tal que pueda serles de utilidad para mejorar su trabajo. Una de las fortalezas del curso es que todos los profesores se encuentran trabajando con especies silvestres de América Latina. De esta forma el curso facilita, además de la formación teórica y práctica de los participantes, el intercambio de experiencias con quienes trabajan directamente en esta área geográfica. Los idiomas del curso son el castellano y el portugués, pero las clases serán principalmente en castellano. El curso combinará clases formales con sesiones de discusión, clases prácticas de análisis de datos y presentaciones de investigación activa por los estudiantes.

Información detallada del programa, Profesores participantes, datos para la pre-inscripción y opciones de becas, pueden verse en el sitio Web:

http://web1.ula.ve/portales/regenec/taller/ene2009/

Cualquier información, contáctenos por correo electrónico en las siguientes direcciones: regenec@gmail.com or regenec@ula.ve.

María A. Oliveira-Miranda Coordinador Ejecutivo Red Genética para la Conservación (ReGeneC) http://web1.ula.ve/portales/regenec/index.html ENGLISH VERSION**********

The Fifth Latin American Conservation Genetics Workshop

Venezuela, January 20-31, 2009 Application Deadline: October 15, 2008

The Red de Genética para la Conservación (ReGeneC), is pleased to announce the Fifth Latin American Conservation Genetics Workshop, "Molecular ecology in the service of species conservation," which will take place between January 20 and 31, 2009, near the city of Valencia, in Venezuela. The Workshop is organized by ReGeneC, in collaboration with Universidad Simón Bolívar (USB), the Instituto Venezolano de Investigaciones Científicas (IVIC), Universidad Nacional Experimental Francisco de Miranda (UNEFM), and the Centro Internacional de Ecología Tropical (CIET). Sponsors include the United Nations University Biotechnology Program for Latin America (UNU-BioLAC), the American Genetic Association (AGA), USB, IVIC, UNEFM, and CIET, among others.

The Workshop is an intensive course which aims to give participants a holistic view of how genetics and related fields are best applied to solving conservation problems, both in situ and ex situ. Target participants are graduate students or working professionals based in Latin America, who are still designing or have begun the initial stages of a thesis or other project. A unique strength of this course is that all instructors work presently with the conservation of Latin American species. The Workshop thus seeks to increase not only participant knowledge of theory and practical analyses, but also informal exchanges among those in the region active in this field. Classes will be given in Spanish, although some instructors speak Portuguese as well. The course format combines formal lectures with group discussions, computer labs, and participant presentations of their ongoing or planned research.

Detailed information about the course program and participating instructors, as well as instructions about pre-registration and applying for financial aid, can be found at:

http://web1.ula.ve/portales/regenec/taller/ene2009/

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GradStudentPositions

AboAkademi CrypticColoration

PhD student position: Cryptic coloration as an anti-predator adaptation

How does natural selection for concealment shape the appearance of animals? What makes a colour pattern difficult to detect? How does the visual habitat and the behaviour of the animal influence the evolution of its colour pattern? Cryptic coloration decreases the risk of its bearer becoming detected. It is a common adaptation that intrigued the minds of early evolutionary biologists and is currently receiving an increasing amount of attention from researchers.

This PhD student position is available at the Åbo Akademi University, Turku, Finland (www.abo.fi) and is financed for 4 years. The PhD project will focus on natural selection on cryptic coloration in prey animals. In other words, it will address questions about how prey should optimise its colours and patterns to decrease its risk of becoming detected under various conditions, and how selection for crypsis shapes the appearance of prey. The specific questions will be chosen together by the student and the supervisor. This project enables the use of a range of different approaches from experimental (e.g. birds searching for artificial prey items) to theoretical ones, and from studies on the visual appearance in specific taxa and their natural habitats to the study of selection on appearance in artificial systems. The project can best be described as behavioural ecological.

Further information can be obtained from and applications should be sent to Sami Merilaita (e-mail: sami.merilaita@abo.fi; address: Environmental and Marine Biology, Biocity, Åbo Akademi University, FIN-20520 Turku, Finland; phone: +358-(0)2-2153355). The application should have arrived no later than October 20, 2008.

An application should include: - a short description (max. 1 typed page) of yourself and why you are applying for this position - list of merits (including qualifications that may be useful, such as for example experience in conducting behavioural studies, handling birds,

knowledge of insects or other taxa, programming skills etc.) - a copy of your MSc thesis - if there are any, copies of your other publications - copies of certificates from higher education - name and contact information of a person who can provide a reference

Sami Merilaita (www.zoologi.su.se/research/sami)

samerila@abo.fi

AuburnU AvianMolEvolution

GRADUATE RESEARCH ASSISTANTSHIP–AVIAN MOLECULAR EVOLUTION. Ph.D. Fall 2009. To study the genetic basis of avian coloration. Experience in basic lab techniques such as DNA extraction and PCR highly desirable. Preference will be given to applicants with a masters degree. Above all, I seek a thoughtful, creative, and motivated student interested in the integration of new genomic technology with traditional studies in behavioral and evolutionary ecology. In addition to studying traditional evolutionary and behavioral ecology, the student will receive broad training in the design, implementation, and analysis of microarrays, in multiplex RT-PCR, and possibly in Sanger and pyro- sequencing. Current projects investigate the genetic basis for variation in expression of carotenoid pigmentation, and future doctoral research holds the potential for exciting new discoveries related to ornamental traits. Interested students should contact Dr. Geoff Hill at Auburn University by e-mail ghill at auburn dot edu.

Dr. Geoffrey Hill Scharnagel Professor Dept. Biol. Sci. 331 Funchess Hall Auburn University Auburn, AL 36849-5414

Phone: 334-844-9269 FAX: 334-844-9234 e-mail: ghill@acesag.auburn.edu web page: http://-www.auburn.edu/academic/science_math/res_area/-hill_lab/index.html ***PDF versions of Hill pubs now available on web page***

Geoff Hill <ghill@acesag.auburn.edu>

CityUNewYork EvolutionaryBiology

Graduate positions available

The Ecology, Evolutionary Biology and Behavior subprogram at the Graduate Center of the City University of New York invites applicants for matriculation to doctoral study. Every student admitted for doctoral study in the EEB subprogram will have financial support for five full years of study, as long as they remain in good academic standing and progress on schedule in their doctoral research.

Benefits include a 24,000/yr stipend, a full tuition waiver and health insurance. First-year graduate students do not teach undergraduate sections, but there is a small service component related to lab rotations and professional development. Graduate students will teach at one of the senior CUNY colleges at least some of the time in years two through five of their scholarship.

First-year students will be based at the Graduate Center in Manhattan for their first year, and will thereafter have the opportunity to associate with mentors of the EEB faculty from Brooklyn College, City College, College of Staten Island, Hunter College, Lehman College, and Queens College, the American Museum of Natural History, Brooklyn Botanic Garden, and The New York Botanical Garden.

More information, including faculty research interests, can be found at the EEB subprogram website: http://-/web.gc.cuny.edu/eeb/index.html .

Deadline for submitting application and supporting materials is January 1st, 2009. See http://-www.gc.cuny.edu/admin_offices/admissions/index.htm for details.

– Dr. John J. Dennehy Assistant Professor of Biology Queens College and the Graduate Center of CUNY 65-30 Kissena Blvd. Flushing, NY 11367 john.dennehy@qc.cuny.edu Office SB E104 (718) 997-3411 Lab SB E117 (718) 997-3419 or 3420 http://dennehylab.bio.qc.cuny.edu/-index.html http://evilutionarybiologist.blogspot.com/ jdennehy@gmail.com

KansasStateU EvolutionaryGenomics

PhD Assistantship in Evolutionary Genomics

Kansas State University, Department of Plant Pathology and Division of Biology

We have a position available for a PhD student to

study the evolutionary genomics of drought stress. The project will include studies of the responses of natural prairie ecosystems to variation in precipitation using the ecologically dominant prairie grass big bluestem as a model. The work will be part of a project funded by the USDA Plant Biology Abiotic Stress program. The project will include transplant experiments and genomic approaches to test for the adaptive differentiation of natural populations of big bluestem across the precipitation gradient. The functional genetic variation and expression in big bluestem ecotypes will be studied to identify genes that are responsive to drought. New investigations might also make use of the nearby Konza Prairie NSF LTER site (www.konza.ksu.edu), several long-term agricultural experiments associated with KSU, or other field sites or greenhouse settings. There will also be opportunities to interact with other researchers in the context of the KSU Ecological Genomics Institute (www.ksu.edu/ecogen).

The student will be co-advised by Eduard Akhunov (eakhunov@ksu.edu) and Karen Garrett (www.ksu.edu/pdecology) and work as part of a larger collaborative team with Loretta Johnson (http://-www.k-state.edu/johnsonlab/), Ted Morgan (http:/-/www.k-state.edu/morganlab/Morganlab/lab.html), and Sara Baer (http://www.plantbiology.siu.edu/-Faculty/Baer/index.html).

Applicants should have a demonstrated interest in ecological or evolutionary genomics. Preference will be given to students who have experience in molecular and evolutionary biology and/or genetics or demonstrated potential in these areas.

Review of applicants will begin November 3, 2008, and continue until the successful applicant is identified.

Applications should include a cover letter with a statement of research interests and timing of availability, a CV, and names and contact information for three professional references. Please send your application through e-mail to both eakhunov@ksu.edu and kgarrett@ksu.edu. To ensure that your application is received, please include the following in the subject of your e-mail: Application for Ecological Genomics Assistantship.

The starting date is flexible. The position offers competitive salary and benefits.

Kansas State University is located in the college town of Manhattan (population ~45,000) in the Flint Hills of eastern Kansas, about 2 hours away from Kansas City. Kansas State University is an equal opportunity, affirmative action employer and actively seeks diversity among its employees.

"Karen A. Garrett" <kgarrett@ksu.edu>

LeibnizInst 2 PlantSystemsBiol

O P E N P O S I T I O N S

The IPK (http://www.ipk-gatersleben.de) is an internationally leading centre for basic and applied research in the following areas: Genetic Diversity of Crop Plants, Dynamics of Plant Genomes, and Integrative Biology of Plant Performance with special emphasis on model and crop plants. The institute currently hosts about 500 employees and provides state-of-the-art laboratory facilities and bioinformatics resources for high-throughput molecular biology and plant genome analysis. We invite applications for two PhD positions in the new Research Group "Systems Biology", for periods of 3 years (extension possible), starting as soon as possible.

Position 1: PhD Bioinformatics (0,5 E13 TV-L) (reference number: 42/09/08)

The successful candidate will develop detailed enzyme-kinetic models of plant metabolic pathways. The developed models will be supplied with data measured by other group members, guaranteeing close interaction of theory and experiments. The candidate should hold a diploma or masters degree in computer science, bioinformatics, physics, biochemistry, biotechnology, biology, or related fields. A strong interest in biology, mathematics and computer science is required. Experience in the following areas is a plus: metabolic networks, kinetic modeling, enzyme kinetics, linear algebra, nonlinear dynamics, Java, Perl, R, high-performance computing.

Position 2: PhD Plant Molecular Physiology (0,5 E13 TV-L) (reference number: 43/09/08)

The successful candidate will join a young team of biologists and bioinformaticians to use modern analytical techniques for investigating aspects of metabolism taking place during legume seed development. The candidate should hold a diploma or masters degree in biology, biochemistry, biotechnology, or related fields. Experience in the following areas is a plus: plant central metabolism, metabolite assays, enzyme assays, non-aqueous fractionation, GC-MS, LC-MS, HPLC. Both PhD students will work in a highly interdisciplinary environment at the interface of biology and computer science, in the prospering field of systems biology. All

laboratory and IT equipment is new and of high standard.

For details on both positions please contact Dr. Björn Junker (junker@ipk-gatersleben.de)

Please send your application including curriculum vitae, grade records/certificates, and names and contact details of two references until September 29th, 2008, to:

Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) Personalwesen Corrensstraße 3 Tel.: +49-39482-5327 D-06466 Gatersleben Fax: +49-39482-5286 Germany beckerj@ipk-gatersleben.de

Dr. Björn Junker Systems Biology Research Group Leader Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) Correnssstr. 3, 06466 Gatersleben, Germany Tel. +49-39482-5-773, Fax -407 http://pgrc-16.ipk-gatersleben.de/ ˜ junker junker@ipk-gatersleben.de junker@ipk-gatersleben.de

LudwigMaximilianU HostParasiteEvolution

PhD position in Evolutionary Ecology (host-parasite coevolution)

A 3-year PhD position is available in the lab of Dr. Justyna Wolinska (assistant professor) at the Ludwig-Maximilians-Universität (LMU) in Munich, to study the role of variable environments on the coevolutionary dynamics between *Daphnia* (waterfleas) and their microparasites. The project is a combination of intensive field sampling, advanced molecular techniques, and laboratory experiments.

The position offers extra advantages. The student will take part in the PhD program of the LMU (including various courses) and will have the possibility to conduct research abroad in Switzerland and Italy. Finally, Munich is consistently rated as a city with the highest quality of life worldwide; it is very international, surrounded by lakes, and only one hour to the Alps.

Applicants should have a Master's or diploma degree in biology, or a related field. The working language is English. Experience in experimental design, statistics and using PCR-based molecular genetic methods would be advantageous.

Applicants should send a cover letter summarizing their research background and interest in the position, a CV, and contact information for two referees (everything as one PDF document) to Justyna Wolinska at wolinska@bio.lmu.de, by September 30. The position is available from 1st Nov 2008. If you have any specific questions (e.g. details of the project), feel free to email me.

See also: http://sci.bio.lmu.de/ecology/evol_e/-people_wolinska_e.html#top – Justyna Wolinska Ludwig-Maximilians-Universität, München Department Biologie II Evolutionsökologie Grosshaderner Str. 2 82152 Planegg-Martinsried, Germany

Phone: +49 (0)89 2180 74201 Fax: +49 (0)89 2180 74204 email: wolinska@bio.lmu.de http://-/www.biologie.uni-muenchen.de/ou/ecology/-evol_e/people_wolinska_e.html Justyna Wolinska <wolinska@bio.lmu.de>

Milan Bioinformatics

In the international scientific environment of the Campus IFOM-IEO (http://www.ifom-ieo-campus.it/), the European School of Molecular Medicine (SEMM) organizes the INTERNATIONAL Ph.D PROGRAM IN MOLECULAR MEDICINE.

A total of 20 positions are available in the following research areas:

Animal Models, Bioinformatics, Molecular Biology, Genetics & Epigenetics, Genomics & Proteomics, Immunology, Molecular Oncology, Structural Biology.

The Ph.D. programme is open to graduate students with a second level degree in science as well as to MDs who wish to embark upon a career in the field of experimental medicine. Deadline for application is September 21, 2008. Short-listed candidates will be invited for a fully covered three-days interview. The starting date of the programme is January 2009.

More info at: http://www.semm.it/phd_mm.php – Francesca D. Ciccarelli, PhD Biocomputing IFOM-IEO-Campus Via Adamello, 16 20139 Milan, Italy tel +39-02574303-053 fax +39-02 94375990 web: http://ciccarelli.group.ifom-ieo-campus.it/fcwiki/ francesca.ciccarelli@ifom-ieo-campus.it

NorthDakotaStateU GeneFlow

M.S. PositionXGene flow between canola (Brassica napus) and wild Brassica spp.

An M.S. position is currently available for an enthusiastic, dedicated student interested in the population genetics and evolutionary ecology of genetically modified(GM)crop species. The research will focus on quantifying gene flow rates between GM crops and weedy species. Results of greenhouse and field studies will be used to parameterize a climate change model to better understand the introduction and persistence of transgenes in a changing environment. The successful candidate will be responsible for maintenance of greenhouse populations of Brassica species, and field studies and field surveys of naturalized weed populations in North Dakota. Outstanding students in genetics, plant science, evolutionary ecology or environmental science are encouraged to apply. This position includes a yearly stipend of $19,500 plus tuition. Students may pursue degrees in Biology, Botany or Environmental Conservation Science through the University's Biology department or inter-departmental program in Conservation. (http://biology.ndsu.nodak.edu/ and http://www.ndsu.edu/ecs/index.html).

Interested individuals should send a cover letter describing research interests and career goals, the names and contact information of 3 references, and a curriculum vitae to Steve Travers (Steven.Travers@ndsu.edu). Although electronic applications are preferred, application materials also may be mailed to Department of Biological Sciences, 218 Stevens Hall, North Dakota State University, Fargo, ND 58105.

Steve Travers <Steven.Travers@ndsu.edu>

OhioStateU ConservationGenetics

Graduate Position (MS or Ph.D) in Conservation Genetics in the lab of Dr. H. Lisle Gibbs, Department of Evolution, Ecology and Organismal Biology, Ohio State University. I am seeking a highly motivated student with a demonstrated ability to work independently for a lab and field-based project that will use DNA and isotope markers to source mallard ducks as part of an effort to further define the natural history of type A influenza viruses in wild birds. There will also be the option of pursuing other independent projects related to the ecology of type A influenza viruses. This project is in collaboration with Dr. Richard Slemons, College of Veterinary Medicine, Ohio State University. The position, currently funded by for one year with the expectation of additional funding in subsequent years, includes an annual stipend ($22,800/yr), full tuition waiver, partial coverage for health insurance and will begin in September 2009. Candidates should have prior experience with DNA-based genetic and/or isotope analysis and must be willing to work closely with agency personnel to coordinate sample collections and analyses. Student will join an active lab group pursuing a variety of research projects in the area of molecular ecology (see < http://eeob.osu.edu/ ~ eeob/gibbs/index.html >http://eeob.osu.edu/~eeob/gibbs/index.html).
Please send via email (gibbs.128@osu.edu) a letter of interest, transcripts and GRE scores and contact information for 3 references to H. Lisle Gibbs, Department of Evolution, Ecology and Organismal Biology, Ohio State University, Columbus OH 43210-1293 (PH: 614 688 3861). Review of applicants will begin 1 December 2008 and will continue until a suitable candidate is identified.

Lisle Gibbs <gibbs.128@osu.edu>

OhioStateU SnakeEvolution

Ph.D. Position Snake Evolutionary Ecology

I am seeking a Ph.D. student to join my research group starting in September 2009 to begin studies in the general area of snake evolutionary ecology. Recently, a major research focus of the lab has been investigating questions about the evolutionary, ecological, and functional basis of venom variation using Sistrurus rattlesnakes as a model system. I am interested in recruiting students who will build on the results of our previous venom research by developing their own projects in this area but am equally interested in students who are keen to develop other projects in the general area of snake evolutionary ecology. Students who are interested in research which combines both lab and field work are especially encouraged to apply.

Guaranteed funding of over $23,000/yr for a minimum of 5 years (plus tuition and partial coverage of health benefits) is available through a combination of Graduate Teaching Assistantships, Research Assistantships, and University Fellowships.

For more information on my lab, see my homepage: http://eeob.osu.edu/ ~ eeob/gibbs/index.html For information on the Department of Evolution, Ecol-

ogy, and Organismal Biology at Ohio State University including our Graduate Program, see: http://-eeob.osu.edu/ For additional information or to apply please contact me by email and include a cover letter describing your background and why you are interested in my lab, a CV, GRE scores, unofficial copy of your transcripts and contact information for 3 references.

Lisle Gibbs <gibbs.128@osu.edu>

UBern PlantInvasionEvolution

*PhD position in Plant Invasion Evolution at the University of Bern, Switzerland * We are offering a position for a PhD student to work on the ecology & evolution of invasive knotweeds (Fallopia ssp.). In an SNF-funded collaborative project between the Plant Evolution group at the University of Bern and the CABI Europe-Switzerland Centre in Delémont, he/she will conduct a series of experiments to investigate interactions between knotweeds and native plants, and the roles that allelopathy, soil biota and knotweed hybridisation play in these. In addition, there is room for the student to develop own ideas and experiments.

We are looking for an ambitious and creative student with a keen interest in ecology and evolution. You must have a university degree (MSc or similar) in biology or a related discipline, and a good command of English. Previous experience with plant or soil ecology, experimental design or statistics is a plus but not a requirement.

The student will be jointly supervised by Oliver Bossdorf (Bern) and Urs Schaffner (CABI). The place of work will be Bern. The position is for 3 years. Preferred starting date is January 1, 2009 (negotiable). Salary and social security will be according to SNF guidelines, i.e. approx. 40.000 CHF/year, with a slight annual rise, plus social security contributions.

The Plant Evolution group at the University of Bern (www.botany.unibe.ch/planteco/) is a young and energetic group with an informal and laid-back working atmosphere. Bern is a very beautiful city with a high quality of life.

Please send your application (preferably one PDF by email) to Oliver Bossdorf, Institute of Plant Sciences, Altenbergrain 21, CH-3013 Bern, Switzerland, bossdorf@ips.unibe.ch. Include a CV, names and addresses of at least 2 references, and a short description of your research interests. The deadline is October 15, 2008

If you want to know more about the project, please don't hesistate to ask (same email address as above).

Thanks, and best regards,

Oliver

– Dr. Oliver Bossdorf Institute of Plant Sciences University of Bern Altenbergrain 21 CH-3013 Bern, Switzerland

bossdorf@ips.unibe.ch Phone +41 31 631-4923 (Fax -4942) http://www.ips.unibe.ch/planteco/ Oliver Bossdorf <bossdorf@ips.unibe.ch>

UBritishColumbiaOkanagan ConservationGenetics

A graduate assistantship (MSc or PhD) is available in the laboratory of Dr. Michael Russello at the University of British Columbia Okanagan (UBC O) in the area of ecological and conservation genetics starting September 2009. I am looking for a highly motivated graduate student to join our group studying fine-scale adaptive population divergence in a number of systems centering on vertebrate species of conservation concern. There are opportunities for both laboratory and field-based research, although all projects involve the use of high-throughout DNA-based methodologies. Individuals with experience and/or interest in historical DNA analysis from archival material (such as museum specimens) are encouraged to apply. Please visit my website for further details:

http://people.ok.ubc.ca/mirussel/ Candidates should have a strong undergraduate background in biology, and prior research experience with molecular techniques is desirable but not required. For more information contact Michael Russello at michael.russello@ubc.ca. The application deadline for Fall 2009 admission is January 31, 2009. Additional information about our Biology graduate program at UBC O can be found at the following website:

http://web.ubc.ca/okanagan/biophgeo/graduate.html The University of British Columbia Okanagan is located in Kelowna, BC, an ideal geographic location for many types of biological endeavors, with state-of the-art campus laboratories just minutes away from extensive montane, riparian and limnological habitats.

michael.russello@ubc.ca

Michael Russello Acting Director, Centre for Species at Risk and Habitat Studies Assistant Professor, Biology University of British Columbia Okanagan Kelowna, British Columbia Canada

michael.russello@ubc.ca

UCalgary 2 EvolutionaryEcol

I am currently seeking 2 PhD students to start in January or Sept. 2009. I will also consider strong MSc candidates.

I welcome students who want to pursue fundamental work in any area of evolutionary ecology. My own work combines mathematical modeling (adaptive dynamics) and bacterial evolution experiments to examine feedbacks between ecological and evolutionary dynamics. I am also developing a project to quantify spatial and temporal variation in relative fitness of soil bacteria in the field. A current student project in my lab examines how selection pressures on alpine plants are mediated by community ecology (competition and facilitation by neighboring plants). These are merely examples to illustrate the range of current work in my lab; I encourage and expect PhD students to develop their own projects, using any system and approach suitable for addressing the questions asked.

For more information on my lab, see my homepage: http://homepages.ucalgary.ca/~jefox/Home.htm < http://homepages.ucalgary.ca/%7Ejefox/Home.htm >

Guaranteed funding of over $20,000/year is available through a combination of TAships, RAships, and fellowships.

The Dept. of Biological Sciences at the University of Calgary is home to a strong and growing group of ecologists and evolutionary biologists; see http://-www.bio.ucalgary.ca/ Calgary is a rapidly-growing city of 1 million people located less than an hour's drive from the Canadian Rockies, with extraordinary opportunities for both field work and recreation.

For further information or to apply, please send me an email including a cover letter describing your background and interest in my lab, a cv, transcripts (unofficial is fine), and contact details for three referees.

Jeremy Fox

–

Asst. Professor and Alberta Ingenuity New Faculty Dept. of Biological Sciences University of Calgary 2500 University Dr. NW Calgary, AB T2N 1N4 Canada

Jeremy Fox <jefox@ucalgary.ca>

UGeorgia PlantFungiEvolution

The Shefferson lab in the Odum School of Ecology at the University of Georgia is currently recruiting two PhD students for the Fall semester of 2009. Our lab has a broad theme in evolutionary ecology, with particular interests in life history evolution, symbioses, and conservation, especially as they pertain to plants and fungi. We are a multi-disciplinary lab, and use phylogenetic, quantitative genetic, molecular, and demographic approaches in theoretical and empirical experiments to answer questions. We hope to attract students broadly interested in any of these themes. Please see the Shefferson lab website for some of the current research (www.sheffersonlab.com).

The Odum School of Ecology at the University of Georgia is the first stand-alone school of ecology in the US. It consists of a large and vibrant group of top-notch faculty, students, and researchers. We interact with biologists in the Dept. of Plant Biology, Dept. of Genetics, Dept. of Environmental Health Sciences, Warnell School of Forestry, College of Agricultural and Environmental Sciences, and others, as well as the nearby US Forest Service Research Stations and Agricultural Extension. The University of Georgia also includes a diverse array of field stations both within state and abroad, particularly in the tropics. Students joining the lab may enter either through the Odum School, or through the umbrella program in Ecology, Evolution, and Organismal Biology currently being developed.

Interested students should contact Dr. Richard Shefferson directly via e-mail (dormancy@uga.edu) to inquire about the position. Informal inquiries are welcome, and those with more motivated interest should send a CV and a letter explaining your interest in the lab. All applicants will need to submit a formal graduate student application with the University of Georgia (see the Odum School of Ecology website for further details at http://www.ecology.uga.edu/-admissions.php?Graduate_Application_Information-3/-). Stipend support may be offered on a competitive basis, contingent on the strength of the application.

– Richard P. Shefferson, Ph.D. Assistant Professor of

Evolutionary Ecology Odum School of Ecology University of Georgia 140 E. Green St. Athens, GA 30602 USA

Web: www.sheffersonlab.com dormancy@gmail.com

UIllinois Biodiversity systematics

Graduate Student Research Assistantships in ecological genomics, tropical biodiversity and systematics

Graduate Student Research Assistantships are available (Summer/Fall 2009) for outstanding students interested in integrating one or more disciplines, including evolutionary and ecological genomics, comparative phylogenetics, and biodiversity and taxonomy. The research examines the remarkable coevolutionary interdependencies between tropical parasitoid wasps, which depend upon a wide array of tropical forest herbivores for growth and development of offspring, and the mutualistic polydnaviruses carried by the wasps to suppress the immune systems of their hosts. These viruses are fully integrated into the wasp genome, providing an unusual opportunity to investigate symbiont induced speciation. What are the roles of polydnaviruses in the evolution of host specificity and diversification of the wasps? The hyperdiverse wasp species and their viruses also offer opportunities for taxonomic and tropical biodiversity research. See www.life.uiuc.edu/whitfield for descriptions of current projects and recent publications.

Those interested in training and research in the following NSF and USDA funded projects, please read on.

A student with interests in phylogenomics and bioinformatics will have access to comparative genomic data from 40+ polydnavirus genomes, which are being sequenced from a variety of closely related species of braconid parasitoid wasps. The molecular phylogeny of the wasps, an ongoing project, when complete will be used to identify genes, genetic changes and adaptations associated with host shifts of the parasitoids.

A student interested in tropical ecology, biodiversity and systematics of parasitoid wasps can develop research in association with large-scale surveys of Lepidoptera underway in Costa Rica and Ecuador. This research involves synthesizing taxonomic and ecological information from thousands of caterpillars and their parasitoids collected from the field and reared in situ. The majority of species will be new to science and will shed light on poorly known faunas. Multiple scientific questions are open to energetic, independent students. This work involves several institutions, including the Guanacaste Conservation Area in Costa Rica, Yanayacu Biological Station in Ecuador, the University of Pennsylvania, and Tulane University, allowing considerable opportunities for collaborative research.

Interested applicants may apply either through the Department of Entomology or the Program in Ecology, Evolution and Conservation Biology (PEEC) at the University of Illinois. Admissions information can be found on the relevant links at www.life.uiuc.edu/-entomology/admissions.html and www.life.uiuc.edu/-peeb/index.htm. Prospective candidates should have strong academic records and some research experience as Masters or undergraduate students. The assistantships are tailored to motivated, energetic students interested in scientific careers, who can work both independently and collaboratively, enjoy problem solving and are well organized. Review of applications will begin immediately and continue until candidates are selected.

Please send to Dr. James Whitfield (jwhitfie@life.uiuc.edu) via electronic pdf attachment: 1) a statement of interest in the project and the skills you would bring, 2) a CV including GPA and GRE scores, research experience and interests, and 3) the names and contact information for at least three referees familiar with your scientific work. Application deadline is 1 January 2009 or until suitable candidates are selected.

James B. Whitfield, Professor, Department of Entomology, University of Illinois, 320 Morrill Hall, 505 S. Goodwin Ave., Urbana, IL 61801 ofc ph. 217-333-2567, lab ph 217-333-2170 www.life.uiuc.edu/whitfield scameron@life.illinois.edu scameron@life.illinois.edu

ULausanne EvolutionaryGenomics

PHD IN FUNCTIONAL EVOLUTIONARY GENOMICS

Center for Integrative Genomics (CIG), University of Lausanne, Switzerland

A PhD student position (~4 years) is available in the evolutionary genomics group of Henrik Kaessmann.

We are seeking talented and highly motivated applicants (preferably with some experience/background in molecular evolution), who have strong programming skills (or the willingness and drive to acquire them)

and an interest in evolutionary genome analyses using bioinformatics approaches.

Our group is interested in a range of topics related to the functional evolution of genomes from primates and other mammals, including the emergence of new genes by gene duplication and the origin and functional evolution of mammalian sex chromosomes. The specific project will be developed together with the candidate. It will be possible to complement data available from genomic databases with experimental data (large- and small-scale) in collaboration with the wet lab unit of the group as well as the state-of-the-art core facilities at the Center for Integrative Genomics.

For more information on the group and our institute more generally, please refer to our website: http://-www.unil.ch/cig/page7858_en.html The salary is in the order of 30.000 Euros per year.

The language of the institute is English, and its members form an international group that is rapidly expanding. The institute is located in Lausanne, a beautiful city at Lake Geneva.

Informal inquiries may be addressed to: Henrik.Kaessmann@unil.ch

Please submit a CV, statement of research interest, and names of three references to:

Henrik Kaessmann, Ph.D. Associate Professor Center for Integrative Genomics University of Lausanne Switzerland E-mail: Henrik.Kaessmann@unil.ch Phone: +41-(0)21-692-3960 http://www.unil.ch/cig/-page7858_en.html Some recent publications from the lab:

Potrzebowski, L., Vinckenbosch, N., Marques, A. C., Chalmel, F., Jegou, B., Kaessmann, H. (2008) Chromosomal Gene Movements Reflect the Recent Origin and Biology of Therian Sex Chromosomes. PLoS Biol., 6:e80.

Rosso, L., Marques, A. C., Weier, M., Lambert, N., Lambot, M.-A., Vanderhaeghen, P., Kaessmann, H. (2008) Birth and Rapid Subcellular Adaptation of a Hominoid-Specific CDC14 Protein. PLoS Biol., 6:e140.

Brawand, D., Wahli, W., Kaessmann, H. (2008) Loss of egg yolk genes in mammals and the origin of lactation and placentation. PLoS Biol., 6:e63.

Vinckenbosch, N., Dupanloup, I. & Kaessmann, H. (2006) Evolutionary fate of retroposed gene copies in the human genome. Proc. Natl. Acad. Sci. USA 103, 3220-3225.

Marques, A., Dupanloup, I., Vinckenbosch, N., Reymond, A. & Kaessmann, H. (2005) Emergence of young human genes after a burst of retroposition in primates. PLoS Biol., 3:e357.

Burki, F. & Kaessmann, H. (2004) Birth and adaptive evolution of a hominoid gene supporting high neurotransmitter flux. Nature Genet. 10, 1061-1063.

Henrik.Kaessmann@unil.ch Henrik.Kaessmann@unil.ch

UMuenster 2 MolecularEvolution

TWO POSITIONS AS PhD STUDENTS ("Wissenschaftlicher Mitarbeiter") will become available in late 2008 in the newly founded IEB, Institute of Evolution and Biodiversity, University of Muenster,Germany.

Interested candidates should send applications to Prof. Bornberg-Bauer ebb[at]uni-muenster.de as pdf attachment (max. 4 pages) detailing: education, scientific career, list of publications, names of prospective referees and a short statement of research interest. Prof. Dr. Erich Bornberg-Bauer AG Evolutionary Bioinformatics, Institut for Evolution and Biodiversity, FB Biologie, Westfälische Wilhelms Universität Münster Schlossplatz 4, D-48149 Münster, Germany www.uni-muenster.de/Evolution.ebb Research projects will be in one or more of the following areas: (see www.uni-muenster.de/Evolution.ebb and further links for details)

* Evolution of Stress Response in Plants using Analysis of Genomic, * Proteomic and Transcriptomic Data and Modelling * Molecular Evolutionary Ecology of Adaptation to Global Warming in * Marine Plants * Molecular Evolution in metazoan host-parsite co-evolution systems

Projects will be carried out in close collaboration with experimental groups at the IEB, the Faculty and beyond.

Essential qualifications are:

* MSc or 4yr BSc degree (or equivalent) in biology, biochemistry, * physics or bioinformatics and research experience in a biological * area * Basic skills in statistics and programming * Motivation and proven ability to carry out research independently * Good communication skills, English

CLOSING DATE is Nov 1st. Commencing date is flexible but Jan. 1st 2009 is preferred.

Positions are normally paid according to the TVL

scheme. Teaching and administrative duties are generally low, with amount and balance depending on the particular project as well as background, qualifications and experience of candidates.

Muenster hosts many excellent scientific institutions such as a newly founded Max-Planck Institute for biomedical research, a Centre for Nanotechnology or a great number of specialised research areas ("SFBs"). Muenster is a dynamic city with a world-famous heritage centre and in the middle of the beautiful "Muensterland". It is very lively, last not least because of the high number of students and the rich choice of social, cultural and sporting facilities (see www.muenster.de) Woman are strongly encouraged to apply. Equal opportunity regulations apply.

Prof. Erich Bornberg-Bauer PhD, Institute for Evolution and Biodiversity School of Biol.Sciences, University of Muenster, Schlosspl.4 D48149 Germany Tel/Fax: +49(0)251-83-21630/21631 web: www.uni-muenster.de/evolution/ebb/ Erich Bornberg-Bauer <ebb@uni-muenster.de>

UMunich PopulationGenetics

PhD Student Position - Population Genetics

A PhD student position in Population Genetics / Genomics is available at the University of Munich in the laboratory of Wolfgang Stephan. The student will join a collaborative research group studying natural selection in structured populations and be enrolled in the Munich Graduate School for Evolution, Ecology and Sytematics (EES).

The specific project includes the detection of selection in the genome of Drosophila melanogaster, the identification of genes involved in adaptation, and the analysis of the associated phenotypes. The project will use high-throughput DNA sequencing, microarray studies, and QTL analysis.

The University of Munich has a strong, interactive group in evolutionary biology, including theoreticians and experimentalists working on both plant and animal systems. We have an international group and the everyday working language is English. The Department of Biology is housed in the new, state-of-the-art BioCenter on the University of Munich High-Tech campus. More information is available on the web at: http://-www.evol.bio.lmu.de The PhD student will receive a salary according to the German pay scale (E13/2 TV-L). Applicants should have a master's degree or equivalent in biology or a related field. In addition, laboratory experience in molecular biology and/or genetics is desired. Interested candidates should send a CV, statement of interest, and contact information of two potential referees as a single PDF file to:

stephan@bio.lmu.de

Applications will be reviewed beginning October 1, 2008. The position is expected to start on November 1, 2008.

The University of Munich is an Equal Opportunity/Affirmative Action Employer and has an affirmative action policy for the disabled.

rose@zi.biologie.uni-muenchen.de rose@zi.biologie.uni-muenchen.de

UNaples PlantEvolutionaryBiol extended

PHD POSITION IN PLANT EVOLUTIONARY BIOLOGY (DEADLINE POSTPONED)

A Ph.D. position in plant evolutionary Biology is available at the Dept. Structural and Functional Biology, University of Naples Federico II, Italy, with Dr. Salvatore Cozzolino to study speciation and reproductive isolation in Mediterranean orchids. I am seeking a PhD candidate (3 yrs) with a strong interest in the evolution of reproductive isolation and speciation in plants. Our group is using orchids as a model system for ecological genetics and current research topics include hybridisation and introgression, habitat adaptation, reproductive isolation and speciation, mechanisms and consequences of specific pollinator attraction, genome evolution. For this PhD position two possible research projects are available. The two projects are embedded in a larger framework of evolutionary studies in Mediterranean orchids. For both projects, experience with experimental work and statistical analyses and the use and application of molecular methods to evolutionary problems are a must. One project will focus on the characterization of genes involved in species isolation by pollen-stigma interactions, by transcript profiling and functional study of candidate genes. For this project I am looking for one candidate with a strong background in molecular biology or biochemistry and plant developmental biology. The second project will investi-

gate mechanisms and consequences of specific pollinator attraction in orchids species-pair, involving investigations on floral signals (scent), behavioural experiments, molecular analysis of hybrid zones with pollinators and plot experiments in the field. For this project , a background in evolutionary ecology and population genetics is desirable. The Dept. Structural and Functional Biology (see < http://www.dbsf.unina.it/- >http://www.dbsf.unina.it/) host 40 academic staff, a dozen of PostDoc, and 20 PhD students that investigate several biological topics and offers a supportive and stimulating environment, a state-of-the-art molecular labs, as well as climate chambers, greenhouses and common garden facilities. Naples has a large and very active research community and the University of Naples (www.unina.it) dealing with various aspects of organismal and molecular biology. The city also offers excellent opportunity for social life through active cultural programs and infrastructure, as well as an attractive surrounding including both see and mountains in proximity. Funding is available for three years and we hope to appoint by December 2008. Candidates should have completed their Masters degree or equivalent (Diplom) in a relevant field and be very fluent in English. The closing date for applications is end October 2008. A letters of application, together with a full CV and the names of two referees should be sent by email to Dr Salvatore Cozzolino (cozzolin@unina.it)

Salvatore Cozzolino

Dipartimento delle Scienze Biologiche

Universita' di Napoli Federico II

via Foria 223, I-80139 Napoli

Italy

Salvatore Cozzolino <cozzolin@unina.it>

UOklahoma EuteleostTreeOfLife

One or more PhD student positions are available to highly motivated candidates at the University of Oklahoma through the NSF-funded Euteleost Tree of Life project. The general research area includes molecular phylogenetics and large-scale computational analysis of all groups of euteleost fishes. Potential PhD projects could involve systematic or evolutionary studies of particular groups of fishes, molecular evolution, or computational approaches to analysis of large data sets. Successful applicants would enroll through the Dept of Zoology < http://www.ou.edu/cas/zoology/ > or EEB < http://www.ou.edu/eeb/ > programs. The project also involves the genomics < http://www.genome.ou.edu/- > and HPC computing < http://www.oscer.ou.edu/-index.php > facilites at OU. To enquire or apply contact Richard Broughton <rbroughton@ou.edu> or 405-325-5357. Applications should include a statement of interest and/or experience in fish phylogenetics, current CV, and names and contact information for three references.

rbroughton@ou.edu

UValladolid EvolutionaryBiology

FOUR YEAR PhD SCHOLARSHIP IN BEHAVIOURAL EVOLUTION AT VALLADOLID UNIVERSITY TO STUDY SOCIALITY AND ULTIMATE FUNCTION OF COGNITION IN CARRION CROWS

A four-year funded PhD scholarship is available at the University of Valladolid (Spain) to investigate the relationship between sociality and cognition in carrion crows.

Recent investigation on different corvid species has revealed surprisingly advanced cognitive abilities that sometimes rival those of non-human primates. In some species the individuals proved to possess the "theory of mind", that is the ability of attribute mental states and intentions to other individuals, and to modify their own behaviour according to the intentions attributed to others. Sociality is though to be a key factor promoting the evolution of intelligence, which appears to be more advanced in species that live in stable groups. However, the adaptive function of intelligence in these species is not yet clear, as it is not fully known how these cognitive abilities are used in nature, what kind of problems they contribute to solve, and how they influence individual decisions in a changing social environment. We intend to address questions about social environment, cognitive abilities, adaptive function of intelligence and cooperative solution of problems in carrion crows kept in captivity.

Supervisors: Dr Vittorio Baglione (University of Valladolid); Dr Daniela Canestrari (University of Granada). The net stipend, according to Spanish scholarship system, is around 1120 Euros/month

Requisites for applicants

Bachelor degree in Biology or Natural Sciences. Master degree or related title (e.g. obtained through a 2 years program of research or specialization) Good knowledge of English (certified through an official examination like IELTS, TOEFL, or similar)

Aptitude of working in a group, and capability of developing an independent research line

How to apply

Send an email to info@cooperativecrows.com, explaining the reasons for applying as PhD student in our project, research interests, and previous experience. Please include:

A complete CV with indication of the requisites stated above; two presentation letters from former professors or employers;

a research project of maximum 2 A4 sheets, written in English.

The deadline for applications is 30/10/2008 More information at www.cooperativecrows.com info@cooperativecrows.com

UVienna TheoreticalPopulationGenetics

PhD Position in Theoretical Population Genetics at the University of Vienna

The mathematics and biosciences group (MaBS, homepage www.mabs.at) at the University of Vienna is looking for a strong and highly motivated candidate for a PhD position in evolutionary modeling and statistical data analysis.

Research environment: Vienna is not only one of the world's most liveable cities, but also offers an excellent research environment and currently develops into one of the main centers in evolutionary research in Europe. The position will be located at the Max F. Perutz Laboratories, part of Vienna's strong bioscience campus.

Project: Due to modern methods of high-throughput sequencing, huge amounts of DNA sequence data from population samples ("polymorphism data") are available today. Interpretation of these data is an important task for theoreticians. In the project, we will develop novel methods to detect so-called footprints of selection in DNA polymorphism data. These footprints can be used to describe the pattern of recent adaptations on a genome. We will particularly focus on effects of population structure and spatially variable selection on genetic footprints. We will use mathematical methods based on stochastic processes (coalescent theory) and extensive computer simulations. The project is part of an international DFG-research group "Natural Selection in Structured Populations" in collaboration with groups in Evolutionary Biology at the University of Munich, and Mathematics at the University of Freiburg.

Conditions: The position is for three years, salary is according to the FWF standard rates for PhD students in Austria. The starting date is flexible (November 08 or later).

Application: We are looking for a candidate with a strong background in quantitative methods (analytical or computational modeling or data analysis) and interest in evolutionary research. Applicants should have a Master / Diploma degree in natural science (e.g. biology or physics), mathematics, or bioinformatics . Programming skills are highly appreciated. The working language in the group is English. German skills are not essential. The reviewing process will start in mid October 2008 and will continue until the position is filled. Applications should include a CV, letter of interest, and the names and email addresses of two potential referees. Applications and informal inquiries should be sent (preferably as a single pdf) to Joachim Hermisson (joachim.hermisson[AT]univie.ac.at).

– Joachim Hermisson Professor for Mathematics and Biosciences University of Vienna Department for Mathematics Nordbergstr. 15, 1090 Vienna, Austria and Max F.Perutz Laboratories Dr.-Bohrgasse 9, 1030 Vienna, Austria phone: +43 (0) 1 4277 50648 email: joachim.hermisson@univie.ac.at

joachim.hermisson@univie.ac.at

UWesternOntario EvolutionColdTolerance

MSc/PhD Studentship: Evolutionary Physiology/ Evolutionary Ecology of Insect Cold Tolerance

The Sinclair lab at the University of Western Ontario seeks a creative, motivated and evolutionary-minded MSc or PhD student for Fall 2009. Research will fall within the general theme of insect cold tolerance, preferably with a strong evolutionary slant. Projects could be largely physiological or ecological (or a combi-

nation thereof), and may include insects from the wild or a multi-species Drosophila system we have established in the lab.

The Sinclair lab is medium-sized, vibrant and social, and we aim to perform excellent science while having fun. The lab is exceptionally well-resourced for insect low temperature biology in an evolutionary/ecological context thanks to recent CFI infrastructure grants, and has active collaborations with researchers in France, the UK, the USA, South Africa and New Zealand, with potential for lab or field work in those countries. The Biology Department at the University of Western Ontario is a research-intensive department with over 150 students in the graduate programme. The University's picturesque campus is located in London, Ontario (pop. 370,000), close to both large cities and rural areas. UWO provides competitive bursaries and Teaching Assistantships to both Canadian and non-Canadian students.

This position will suit students with a background in ecology, physiology, evolutionary biology or entomology (preferably an interest in all four!). Please email Dr Brent Sinclair (bsincla7@uwo.ca) to initiate informal discussions.

Brent J. Sinclair, PhD

Assistant Professor of Invertebrate Biology Department of Biology Room 2078, Biological & Geological Sciences Building 1151 Richmond Street North The University of Western Ontario London, ON N6A 5B7 Canada

Tel: + 1-519-661-2111 ext 83138 Fax: + 1-519-661-3935 bsincla7@uwo.ca http://www.uwo.ca/biology/-Faculty/sinclair/index.htm

Brent Sinclair <bsincla7@uwo.ca>

UWisconsinMadison ConservationGenetics

PhD Position available in Conservation Genetics at the University of Wisconsin, Madison:

I am seeking an outstanding student to pursue a doctoral degree in conservation genetics in the Department of Forest and Wildlife Ecology at the University of Wisconsin, Madison. The successful applicants first responsibility will be to help set up a molecular lab in the department. One component of the students dissertation research will involve conducting an analysis of adaptive genetic variation in an endangered seabird, the Marbled Murrelet, at the MHC gene complex. The remainder of the students research is flexible and dependent on the students interests and funding opportunities. Funding is in place for three years of graduate student support ($19,000/year + a tuition waiver) and for the Marbled Murrelet genetic project. Work will be conducted in the laboratory of Dr. Zach Peery, who will start an assistant professor position in the Department of Forest and Wildlife Ecology in December.

Applicants should possess at minimum a B.Sc., and preferably a M.Sc., specializing in conservation genetics, molecular ecology, or closely related field. Applicants with a strong background in molecular laboratory methods (PCR, sequencing, cloning, etc.), genetic data analysis, conservation biology, and demonstrated ability to publish in peer-reviewed journals will be given preference. The selected student is expected to enroll in the Department of Forest and Wildlife Ecology in August 2009 for the fall semester. There is potential to begin work as a laboratory technician as early as February 2009. Interested students are encouraged to review the requirements for a PhD in the Department of Forest and Wildlife Ecology (http://-/forestandwildlifeecology.wisc.edu/grad.htm) and the UW Graduate School (http://info.gradsch.wisc.edu/-education/admissions/).

To apply to the position, please send a cover letter outlining your interests and research background, a curriculum vitae, and contact information of three professional references (name, email, phone, address) as either a PDF or Word file to zpeery@nature.berkeley.edu with Marbled Murrelet Genetics PhD Application in the subject line. Applications will be accepted until December 1, 2008 or until a suitable candidate is found.

For more info, contact: Dr. Zach Peery Moss Landing Marine Laboratories 7544 Sandholdt Road Moss Landing, CA 95039 Phone: (831) 771-4139 zpeery@nature.berkeley.edu

– Post-doctoral Researcher University of California, Berkeley/Moss Landing Marine Laboratories 7544 Sandholdt Road Moss Landing, CA 95039 Phone and fax: (831) 771-4139

Zach Peery <zpeery@nature.berkeley.edu>

UZurich EvolutionaryEcology

Host-parasitoid coevolution: The role of parasitoid adaptation to endosymbiont-mediated defence in aphids

A 3-year PhD position funded by the Swiss National Science Foundation is available in the Ecology group of the Institute of Zoology at the University of Zürich, Switzerland. The project deals with antagonistic coevolution as an evolutionary force maintaining genetic variation. Our study system is the black bean aphid, Aphis fabae, and its parasitoid Lysiphlebus fabarum. It was shown recently that aphids may rely on 'helpers' in the form of facultative endosymbiotic bacteria for defence against parasitoids. Coevolution is thus mediated by endosymbionts in this system. While the aphid-symbiont association is currently under intensive investigation, little is known about the role of parasitoids in the interaction. However, just as parasitoids select for improved defences in hosts, the host's acquisition of defensive symbionts selects for counterdefences in parasitoids. Parasitoid adaptation to defensive endosymbionts in hosts will therefore be the main focus of this project. The work will combine field sampling and population genetic analyses with targeted experiments in the laboratory, including an experimental evolution approach.

I seek a highly motivated candidate with a strong interest in evolutionary ecology and genetics. Candidates should have a MSc or equivalent in biology. Experience with molecular methods and analysis of genetic data is an asset. If interested, please send your application before 30 September 2008 by e-mail to the address below. Applications should include a CV, a statement of research interests and experience, and the names and e-mail addresses of two referees - preferentially all in one PDF file.

Christoph Vorburger Institute of Zoology University of Zürich Winterthurerstrasse 190 8057 Zürich Switzerland Tel: +41 44 635 49 83 Fax: +41 44 635 68 21 e-mail: christoph.vorburger@zool.uzh.ch http://www.zool.uzh.ch/static/ecology/people/-cvorburger/ christoph.vorburger@zool.uzh.ch christoph.vorburger@zool.uzh.ch

VictoriaU PlantMolecularSystematics

Te Papa MSc Scholarship in Molecular Systematics at Victoria University

Te Papa Tongarewa Museum of New Zealand and Victoria University of Wellington are offering a Master of Science (MSc) scholarship in the field of molecular systematics at Victoria University. The purpose of the award is to promote research between Te Papa and Victoria University in the area of molecular systematics, ecology and evolution.

An MSc degree at Victoria University is undertaken over two years (Parts 1 and 2) and involves four courses worth equal marks, plus a research thesis worth 60% of the total. The Te Papa-VUW scholarship provides the successful applicant with a student stipend of $4000 in part 1 (2009) and $6000 in part 2 (2010). The project offered in 2009-2010 will be a molecular systematic investigation of the New Zealand species of Pseudopanax (Araliaceae) or Gleichenia (Gleicheniaceae), or another project to be determined. The thesis research will involve the DNA sequencing of chloroplast and nuclear genes, with complementary morphological analyses, and will address phylogenetic questions such as the relationships between species and generic boundaries, as well as issues of biogeography and species-delimitation. The ideal applicant will have completed a BSc degree and have an interest in New Zealand plants and molecular phylogenetic techniques.

For more information about the thesis project or studying towards an MSc degree at Victoria University contact: Dr Leon Perrie (e-mail: leonp@tepapa.govt.nz <mailto:leonp@tepapa.govt.nz>), Dr Heidi Meudt (e-mail: heidim@tepapa.govt.nz), or Dr Peter Ritchie (e-mail: Peter.Ritchie@vuw.ac.nz).

For information about the School of Biological Sciences and a copy of the post-graduate prospectus visit http://-/www.vuw.ac.nz/sbs

Applications are lodged through the Scholarships Office, Victoria University of Wellington, PO Box 600, Wellington, New Zealand.

E-mail: Scholarships-Office@vuw.ac.nz <mailto:Scholarships-Office@vuw.ac.nz>

Tel +64-4-463 5113/5557

Visit the web site for an application form and instructions:

http://www.vuw.ac.nz/scholarships < http://www.vuw.ac.nz/scholarships >

Applications close on 1 November 2008

Selection will be based on academic merit and short listed applicants may be required to participate in a telephone interview.

Heidi Meudt <HeidiM@tepapa.govt.nz>

Vienna FunctionalPopulationGenet

PhD Program in Population Genetics (Vienna)

Topic: Natural populations carry a wealth of molecular variation and there is increasing evidence that a large proportion of it is functionally diverged. Thus, understanding the functional implications if natural variation provides insight into the adaptation processes in natural populations.

After the first phase in the genomics projects, which were focusing on the sequencing of one genome for each species, the emphasis has now shifted to the genome wide characterization of natural variation. In particular the new generation of sequencing technology (454, Solexa etc.) is contributing to a hitherto unprecedented wealth of information about naturally occurring sequence variation. Nevertheless, the advances in cataloging natural variation are not matched with our advances in understanding the functional differences among the naturally occurring alleles.

Our PhD program aims to train a new generation of scientists that is able to deal with this new challenge. Compared to classic forward genetics, which typically isolated mutations with strong effects, naturally occurring alleles are expected to show only subtle differences in function, which may nevertheless have dramatic effects in nature. Hence, the analysis of natural variation requires new approaches and tools to understand the functional differences of naturally occurring alleles.

Further information about available projects and the research environment are provided at: http://-i122server.vu-wien.ac.at/pop/PhD/projects.html applications should be mailed by 19.9.2008 to Melanie Dusleag (melanie.dusleag@i122server.vu-wien.ac.at).

Christian Schlötterer Institut für Populationsgenetik Veterinärmedizinische Universität Wien Josef Baumann Gasse 1 1210 Wien Austria/Europe

phone: +43-1-25077-4300 fax: +43-1-25077-4390 http://i122server.vu-wien.ac.at/pop/-pop_gen.html christian.schloetterer@vu-wien.ac.at christian.schloetterer@vu-wien.ac.at

Jobs

AlbertEinsteinCollMedicine Systems and ComputationalBiol

Department of Systems and Computation Biology Albert Einstein College of Medicine of Yeshiva University

Multiple Tenure Track Faculty Positions

The Albert Einstein College of Medicine, one of the leading medical schools in New York City, is seeking to fill multiple tenure track faculty positions in the newly formed Department of Systems and Computational Biology. Established in April 2008, the main goal of the new department is to advance our understanding of living systems by developing theoretical, computational and experimental approaches to study complex biological systems. The College has 750 medical students, 325 graduate students and 360 post-doctoral fellows in training and boasts a strong research faculty covering broad areas of experimental biology, offering outstanding opportunities for collaborative interactions. The 200,000 square foot Center for Genetic and Translational Medicine at Einstein, which opened in late 2007, locates computational, systems and experimental scientists in physical proximity to foster interdisciplinary communication and collaboration. Highly competitive start-up packages are available. We seek outstanding scientists with broad experience and demonstrated collaborative interactions with experimental or clinical investigators. Candidates should have strength in a physical, mathematical or computational field at the Ph.D. or equivalent level. Experience applying these skills to a biological or biomedical area (demonstrated through publications or support) is also desirable. Areas of interest include, but are not limited to: Modeling cellular processes, such as signaling, transcriptional regulation and immune response; Pathway analysis; Genetic networks; Functional proteomics and genomics; Evolution of structure and function; Computational neuroscience; Mathematical and computational modeling of complex traits and diseases.

Applicants should send a letter of interest, C.V., statement of research and teaching interests, and names of three referees, in electronic format to:

Systems and Computational Biology Search Committee Albert Einstein College of Medicine Jack and Pearl Resnick Campus 1300 Morris Park Ave. Price Center, Rm. 153 Bronx, New York 10461 E-mail Address: SysBio@aecom.yu.edu Subject line should be: SCB Faculty Search

Vanessa Castellina <vcastell@aecom.yu.edu>

ArizonaStateU 2 Cybertaxonomy

Tenure-track positions in Descriptive Taxonomy and Cyber Infrastructures

The International Institute for Species Exploration (IISE) at Arizona State University invites applications for two unique tenured/tenure-track faculty positions at the intersection of life sciences and informatics. The IISE is dedicated to modernizing and advancing descriptive taxonomy and its collection and cyber infrastructures. We seek individuals with unusual vision to serve as ASU professors and as assistant directors of the institute. Positions are open rank, salaries commensurate with experience. Each position involves the use of effective leadership skills and a desire and capacity to work as part of a trans-disciplinary problem-solving team. The IISE, with partner museums and

botanical gardens, is committed to identifying and removing obstacles to rapid progress in taxonomy. The successful candidates will join the director and existing assistant directors as the IISE leadership team. Each position includes 30% administration in IISE managing projects and partnerships, 30% teaching in the tenure home unit, and 40% research in area of expertise, related broadly to Institute goals.

Assistant Director for Monography and Inventories. The successful candidate must have an earned doctorate in systematic biology and demonstrated experience with descriptive taxonomy in a terrestrial or freshwater arthropod taxon. As assistant director, the successful candidate will coordinate interdisciplinary teams and advance projects with partner museums that include building international taxon knowledge-communities, producing online monographic treatments, and undertaking large scale species inventories as well as work with IISE team to identify and remove impediments to taxonomy. Tenure home will be in School of Life Sciences.

Assistant Director for Taxonomic Cyberinfrastructure. The successful candidate must have an earned doctorate in computer science/engineering and demonstrated technical leadership for a domain specific cyberinfrastructure for taxonomy that will create and apply a new generation of tools, techniques and research environments that accelerate species exploration in all its phases. The successful candidate will both engage in projects with interdisciplinary teams of faculty, students, and partner institutions to conceive, engineer and prototype new digital tools and software as well as liaise with the Fulton School of Engineering faculty and external partners to recruit expertise appropriate to solve particular problems. Tenure home will be in the School of Computing and Informatics within the Fulton School of Engineering.

Please send CV, brief statement of interest, and names and e-mail addresses of four references to: Dr. Quentin Wheeler, Director, IISE c/o Ms. Shannon Keen at shannon.keen@asu.edu. Documents must be submitted in either Microsoft Word or PDF format. Review of applications will begin October 15, 2008, and continue until the search is closed. Nominations are welcomed. A background check is required for employment. Arizona State University is an affirmative action, equal opportunity employer committed to excellence through diversity.

Martin F. Wojciechowski Associate Professor - Genomics, Evolution and Bioinformatics School of Life Sciences Arizona State University Tempe, Arizona 85287-4501 USA

office: Life Sciences E 711 480.727.7767 mfwojciechowski[at]asu.edu http://www.public.asu.edu/~mfwojci/ http://tolweb.org/Fabaceae/21093 Tree of Life Web project

M F Wojciechowski <mfwojciechowski@asu.edu>

CIBIO Portugal 7 ResearchContracts EvolutionaryBiol

- DEADLINE: September 30!!

CIBIO is a young and highly dynamic Research Centre located close to Porto, in the north of Portugal, which aims to be an international Centre of Excellence in the fields of Biodiversity and Evolution, offering great opportunities for multidisciplinary research. The Centre occupies recently-built facilities, and now has approximately 55 researchers holding a PhD degree and more than 50 MSc and PhD students, as well as people from many different countries. The working atmosphere is vibrant and enthusiastic, and the CIBIO is regularly visited by many scientists from abroad. The Centre has fully equipped molecular laboratories (multiple PCR rooms, automated sequencers, real-time PCR machines, etc), as well as technicians, and the necessary equipment for fieldwork. In 2007, we were able to get 7 research positions, and successful research scientists came from places as different as Colorado, Alaska, Utah and Montpellier, among others, to work in molecular phylogenetics, biodiversity and conservation, theoretical population genetics and plant evolution. For 2008, we are now advertising seven 5-years full research contracts (www.eracareers.pt), and expect to recruit enthusiastic and highly motivated researchers in the areas indicated below. The positions are expected to start by the end of 2007.

1. Genetics of host-parasite interactions

A 5-year research position, renewed yearly, is available at CIBIO (http://cibio.up.pt), Portugal, in the area of genetics of host-parasite interactions. Although the exact field of research is open, the researcher is likely to work on the study of genetic variation at host candidate genes that confer resistance against diseases, possibly using the European rabbit as a model species, because these are prime candidates for undergoing adaptive evolutionary change. It would be desirable if the candidate had previous experience working with immunogenetic markers (namely MHC, immunoglobulin genes,

cytokine and chemokine receptors), with particular focus on the molecular evolution of such genes as well as detection of natural selection and recombination events. The candidate must have a PhD and a minimum of 3 years postdoctoral experience. A sound knowledge of molecular evolution will be reflected in the candidate?s Curriculum Vitae, that evidences a significant publication record in SCI journals for the above-mentioned topics. Experience is expected in the supervision of postgraduate students (both MSc and PhD theses) and on the preparation, development and coordination of scientific projects. The candidate is expected to establish solid international collaborations, and be able to attract national and international funding. The candidate should also be a good communicator (speaking and writing fluent English) and may participate in teaching at MSc and PhD levels. Candidates will be assessed initially on their CV, followed by a job interview. Salary corresponds to a gross annual income of 43000 euros (before taxes).

2. Sexual selection and mating systems

A 5-year research position, renewed yearly, is available at CIBIO (http://cibio.up.pt), Portugal, in the area of behavioural ecology and evolution. Applicants should have a PhD Degree in Biology and a minimum of 3 years of research experience at post-doc level, preferably in the fields of ecology and animal behaviour. The researcher is expected to integrate a Behavioural Ecology & Evolution research group and will study animal behaviour from a multidisciplinary perspective, combining experimental analysis of behaviour with ecological and evolutionary work. Among the main research topics to be covered, special attention will be given to the evolution of mating systems, sexual selection and other reproduction related topics. Given the ongoing environmental alterations, a clear focus will be devoted to the analysis of some of the above-mentioned subjects in populations that inhabit the extremes of a species geographical distribution. As such, the candidate is expected to have experience in studying animal behaviour, both in the laboratory as well as in the field, and show solid knowledge in experimental design and biostatistics. Since some of the model organisms expected to be used are mainly marine, a diver?s certificate may be considered useful. Additional key requirements involve excellence in research, translated into a significant publication record in SCI journals on the above stated topics, proven ability to build up independent research initiatives, such as established involvement in the development, preparation and coordination of research projects, PhD student supervising experience and a clear vision on national and international research priorities. A history of conference attendance and organisation will also be considered valuable. The candidate is

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CollegeOfCharleston BioinformaticsComputationalBiology

Applications and/or nominations are invited for the Endowed Professorship in Bioinformatics/Computational Biology at the College of Charleston. This is one of two appointments to be made within the Center for Economic Excellence in Marine Genomics, a partnership between the College and the Medical University of South Carolina. Rank is open for this position, but it is anticipated that the appointment will be made at the level of Associate Professor or Professor. The appointment will be in the Department of Biology at the College with a joint appointment at the Medical University. For information about the department, see www.cofc.edu/biology. The successful applicant will have a demonstrated track record as a collaborative scholar, a strong commitment to teaching and mentoring graduate and undergraduate students, and, ideally, will also have significant experience with the mechanisms for enhancing research value through partnerships with private industry. Experience as a research team leader/program director is highly desirable. The successful candidate will provide academic and program leadership in biological informatics conducted at the College of Charleston, Medical University of South Carolina, and their federal and state partners. To facilitate this role, the successful candidate will be housed at the Hollings Marine Laboratory (http://www.hml.noaa.gov/), a multi-institutional research facility located near the College's Grice Marine Laboratory a short distance from downtown Charleston. An important focus would be the application of genomic, proteomic, and systems biology approaches to increasing understanding of the interactions of marine organisms with their environment and the relationship between the oceans and human health. The successful candidate will lead an existing team of programmers and will drive the conceptual and theoretical interpretation of experimental results. More information about

this position can be obtained at the Department of Biology's website: www.cofc.edu/biology/hiring.html or from Dr. George Pothering, Dean, School of Sciences and Mathematics, at PotheringG@cofc.edu or the chair of the search committee, Dr. Allan Strand (email provided below). Applicants should send a statement of research interests and accomplishments, a Curriculum vitae, and the names and contact information for at least three references in electronic format to: StrandA@cofc.edu Nominations should be sent directly to the search chair. Applications and nominations will be held in confidence to the extent possible. Review of applications will begin immediately and will continue until the position is filled.

– Allan Strand, Biology http://linum.cofc.edu College of Charleston Ph. (843) 953-9189 Charleston, SC 29424 Fax (843) 953-9199

Allan Strand <stranda@cofc.edu>

DukeU ResTech EvolutionaryGenetics

Research Technician, Biology Department, Duke University:

Research technician wanted to participate in research in evolutionary ecology and genetics. Research will combine work in the field, laboratory, and greenhouse. Duties include plant care; preparations for molecular and biochemical work; setting up and maintenance of field and greenhouse experiments, and keeping supervisor informed of results; data collection and organization; instruction of others in basic laboratory techniques and procedures; general lab and clerical tasks; other related duties as required. Available immediately. Competitive salary and full Duke benefits. Duke University is an Equal Opportunity/Affirmative Action employer.

Please send CV and names of references to Kathleen Donohue: k.donohue@duke.edu

DEADLINE FOR CONSIDERATION: OCTOBER 20, 2008

Thanks!

Kathleen Donohue Associate Professor Department of Biology Duke University Box 90338 Durham, NC 27708

Kathleen Donohue <k.donohue@duke.edu>

Durham NC NESCent Director

Director, National Evolutionary Synthesis Center, Durham, NC

Applications and nominations are invited for the position of Director of the National Evolutionary Synthesis Center, NESCent (www.nescent.org), a research center in Durham, North Carolina. The Center is supported by the National Science Foundation, and is jointly sponsored by Duke University, the University of North Carolina at Chapel Hill and North Carolina State University. The position of Director will be a faculty appointment at the senior level made by Duke University.

NESCent promotes collaborative research on fundamental synthetic questions in evolutionary biology by supporting visiting scientists in working groups and catalysis meetings (>500 scientists/year) and resident sabbatical and visiting scholars and postdoctoral fellows. The Center also has a large Informatics group and an active program in Education and Outreach in evolutionary biology.

The Director has overall responsibility for administration of the Center, in collaboration with Associate Directors from the co-sponsoring Universities. The Director reports annually to NSF and to administrators of the associated universities and is advised by a Senior Advisory Board (SAB). The Director provides scientific leadership and fosters an environment that inspires collaboration. The Director should have a clear and imaginative scientific vision that serves the larger scientific community, receptiveness to alternative scientific views, an understanding of the key role that technology plays in fostering collaborative and synthetic science, and an unwavering commitment to the highest possible quality research. The Director should have an outstanding record of research in evolutionary biology with demonstrated organizational and management and interpersonal skills, and a fully articulated commitment to the goals of the Center. Experience in working with various funding agencies, including NSF, would be advantageous.

Subject to approval by the relevant disciplinary department, and provided the successful candidate meets the university's criteria for scholarly excellence, Duke University will appoint the candidate to a faculty position at the senior level. Evaluation of candidates, and selection of the Director, will be done by faculty from

the collaborating Universities as well as representatives of NESCent's SAB; the final decision requires NSF approval.

Applications and nominations should be submitted electronically to nescent-director@duke.edu . Review of applications will begin December 1, 2008 and continue until the position is filled. Applications should be formatted as a single pdf document and include a letter of interest, CV, and names of three people who have agreed to provide letters of recommendation. The letter of interest should include a vision statement for the Center and the applicant's career goals. Inquires regarding the search and/or Center function should be addressed to nescent-director@duke.edu .

The Center is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. Duke University is an Equal Opportunity/Affirmative Action Employer

noor@duke.edu noor@duke.edu

HarvardU VertebratePaleontologyandEvolution

**The Department of Organismic and Evolutionary Biology (OEB) at Harvard University* *invites applications for a tenure-track faculty position in the field of vertebrate paleontology, emphasizing an evolutionary perspective. The appointment may be made at any rank. We seek an outstanding scientist who will establish an innovative research program and teach both undergraduate and graduate students. We are especially interested in individuals who conduct rigorous, field- and laboratory-based analyses of general problems in paleontology and evolution of vertebrate animals, and who employ morphological, functional, developmental, molecular, and/or phylogenetic approaches. In addition to a faculty appointment in OEB, this person will receive a curatorial appointment in the Museum of Comparative Zoology (MCZ) with oversight responsibilities for the museum's vertebrate paleontology collections.

Applicants should */submit as/* */electronic pdf/* */files/* a curriculum vita, statements of research and teaching interests, representative publications, and the names and addresses of at least three references. Send these materials via email to Professor Jonathan Losos, c/o *Ms. Katie Parodi <kparodi@oeb.harvard.edu>*.* *Letters of nomination from* *third parties* *are also welcome. Applications from, or information about, female and minority candidates are encouraged. Review of applications and nominations will begin November 1, 2008.

Further information about OEB and MCZ are available at* http://www.oeb.harvard.edu < http://www.oeb.harvard.edu/ > *and* <http://www.mcz.harvard.edu < http://www.mcz.harvard.edu/> >.* Send inquiries to* *Katie Parodi via email at the address above.

/Harvard University is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are encouraged./

– Jonathan B. Losos Museum of Comparative Zoology and Department of Organismic and Evolutionary Biology Office: Museum of Comparative Zoology Labs 204 26 Oxford St. Harvard University Cambridge, MA 02138 617-495-9835 617-495-5667 (fax) http://www.oeb.harvard.edu/faculty/losos/jblosos/ jlosos@oeb.harvard.edu jlosos@oeb.harvard.edu

IowaStateU DeptChair

DEPARTMENT CHAIR - Iowa State University Department of Natural Resource Ecology and Management Tenure-track, 12-month, full-time 7/1/2009 or To Be Negotiated Iowa State University (ISU) invites nominations and applications for the position of Chair of the Department of Natural Resource Ecology and Management (NREM). This is a 12-month appointment with starting date to be negotiated. The initial appointment as chair is 5 years with opportunity for renewal. The required qualifications for this position are: demonstrated effective leadership abilities including skills in organization, budgeting and communications; national recognition for teaching, research or extension, appropriate experience to qualify for the rank of professor and tenure; and an earned doctorate in a discipline relevant to the subject areas of the Department.

The NREM Department was formed on July 1, 2002, through the merger of the Animal Ecology and Forestry departments. The department has - 20 tenured and tenure-eligible faculty, and 12 faculty collaborators/adjuncts. The department hosts the Iowa Cooperative Fish and Wildlife Research Unit. NREM is administered through the College of Agriculture and Life Sciences, which provides an operating budget of $3.6 million including funding from the Experiment Sta-

tion and ISU Extension. Annual competitive grant funding for the past 2 years has averaged $2.8 million per year. The department has 230 animal ecology undergraduate majors, 70 forestry undergraduate majors and 50 graduate students. The department participates actively in interdepartmental undergraduate programs in Biology, Environmental Science, Environmental Studies, and Global Resource Systems. The Department offers M.S. and Ph.D. degrees in Fisheries Biology, Forestry, and Wildlife Ecology. The Department also participates in the interdepartmental graduate programs in Biorenewable Resources Technology, Ecology and Evolutionary Biology, Environmental Science, Genetics, Plant Physiology, Sustainable Agriculture, and Toxicology. A description of the department_s mission, programs, faculty and facilities is available at http://-www.nrem.iastate.edu/ . The successful applicant for this chair position is expected to: - Provide visionary leadership for the department, integrating strengths and resources of the department to serve the needs of students and stakeholders and to fulfill the land-grant mission;

- Communicate the mission, vision and strengths of the department within Iowa State University and to national and international forums;

- Stimulate and facilitate excellence in all aspects of departmental functions: teaching, research, extension programs and outreach and service;

- Help the Department obtain resources through extramural funding; and

- Conduct scholarly activities in teaching, research, or extension.

- Maintain good alumni relations and seek additional Alumni Foundation Funds in support of the full spectrum of NREM activities.

Iowa State University is a Carnegie Foundation doctoral/research university. It is ranked as one of the top 50 public universities in the Nation by U.S News and World Report. The university is located in Ames, a community of 50,000 people that was ranked in the top 100 places to live in the U.S. by Money Magazine. Ames is recognized as one of the most livable small cities in the nation (http://www.cityofames.org/). An earned doctorate in a discipline relevant to the subject areas of the Department; experience appropriate to qualify for rank of Professor and tenure. Demonstrated effective leadership abilities including skills in organization, budgeting and communications; national recognition for teaching, research or extension.

Commensurate with qualifications This is a 12-month appointment with starting date to be negotiated. The initial appointment as chair is 5 years with opportunity for renewal. All interested, qualified persons must apply for this position by clicking "Apply for this Vacancy" located at the end of this vacancy announcement and complete the Employment Application. Only electronic submission of applications will be accepted. Please be prepared to attach the following:

1) Curriculum vitae 2) A statement of academic and administrative philosophy (attach as other document) 3) The names, addresses and phone numbers of five references

Deadline: Applications will be accepted beginning August 22, 2008 and continue until the position is filled.

Please direct questions to Dr. Paul Lasley, Chair, NREM Chair Search Committee at 515/294-2506. Email: plasley@iastate.edu. 10-15-2008

– Kevin J. Roe Natural Resource Ecology & Management 339 Science II, Iowa State University Ames, IA 50011-3221 (515) 294-8332 Fax (515) 294-2995 Email: kjroe@iastate.edu

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IowaStateU EvolutionaryTheory

The Department of Ecology, Evolution, and Organismal Biology (EEOB) at Iowa State University seeks a tenure-track assistant professor developing theory relevant to evolutionary and/or ecological processes. EEOB (< http://www.eeob.iastate.edu/-
>www.eeob.iastate.edu) comprises 30 faculty who use integrative approaches that bridge disciplines and span multiple levels of biological organization. The successful candidate is expected to develop a nationally recognized research program and skillfully teach undergraduate and graduate students. Applicants should have a Ph.D. in ecology, evolution, or related field and demonstrate excellent research and teaching potential. Following the instructions on http://www.iastatejobs.com/www.iastatejobs.com, submit cover letter, CV, and research and teaching , plus up to three reprints as pdf files, each not to exceed 1MB, by 1 October 2008 (see http:/-/www.eeob.iastate.edu/search.html for additional in-

formation). In addition, arrange to have three letters of recommendation sent by e-mail as pdf files to searches@iastate.edu.

For further information contact brent@iastate.edu or 515-294-5248. ISU values diversity and is an AA/EEO employer with NSF ADVANCE funding to enhance the success of women faculty in science and engineering.

Dr. Dean C. Adams Associate Professor Department of Ecology, Evolution, and Organismal Biology Department of Statistics Iowa State University Ames, Iowa 50011 http://www.public.iastate.edu/~dcadams

Dean Adams <dcadams@iastate.edu>

LeibnizInst FishEvolution

Research scientist â FISH EVOLUTION, POPULATION GENETICS & GENOMICS

in the newly founded research unit Evolutionary Ecology of Marine Fishes at the Leibniz Institute of Marine Sciences (IFM-GEOMAR) Kiel, one of the leading marine research institutes. Its major goal is fundamental research in all areas of marine sciences (www.ifm-geomar.de)

Job Description

We are seeking a highly motivated and enthusiastic candidate who is expected to develop his/her own research line including the acquisition of third-party funding. The holder of the position should perform fish population genetic and evolutionary research preferably in one of the following fields: - host-pathogen coevolution - evolutionary adaptation to climate change - adaptive radiations, hybridization and speciation - ecological & evolutionary genomics Scientist with a freshwater background are also encouraged to apply, provided they commit to entering the marine world. In addition, we expect contributions to teaching (in particular practicals) and to the daily business of the research unit.

Qualification

We request a doctorate in Biology, Evolution, Ecology, Biological Oceanography or a related subject. Research experience is best documented by publications in international scientific journals.

This is full-time position is available for an initial period of 3 years and can be extended up to a total time 6 yrs. The salary (class 13 TV-L of the German tariffs for public employees) depends on qualification and previous work experience, ranging from approximately 46 â 60,000 Euro. Working language in the group is English. The Leibniz-Institute of Marine Sciences is an equal opportunity employer and encourages female scientists and scientists with disabilities to apply.

Please send your applications for this post not later than 15 October 2008 either by e-mail to Prof. Thorsten Reusch (treusch@ifm-geomar.de, see also http://www.ifm-geomar.de/index.php?id=-4295&L=1). Please include a short research perspective and give names and address of three references.

treusch@ifm-geomar.de treusch@ifm-geomar.de

McMasterU ComputationalEpidemiology

SHARCNET Chair in Computational Epidemiology

The Department of Mathematics and Statistics at McMaster University invites applications for the SHARCNET Chair in Computational Epidemiology. We are seeking applications from candidates at the assistant professor level, however exceptional candidates at the associate and full professor ranks will also be considered; salary will be based on qualifications and experience. The anticipated starting date is July 1, 2009. Candidates should have a PhD, a proven research record in mathematical and computational epidemiology of infectious disease and a research program that will take advantage of SHARCNET's high-performance computing facilities.

The Department of Mathematics and Statistics is a research intensive department with active research groups in many areas including mathematical biology and applied mathematics. SHARCNET is a consortium of colleges and universities that share a "cluster of clusters" of high performance computers, linked by advanced fibre optics. The SHARCNET Chair will benefit from McMaster's newly established Michael G. DeGroote Institute of Infectious Disease Research and the broad research strength in infectious disease epidemiology in many other departments, including Biology, Biochemistry and Biomedical Sciences, Anthropology, Clinical Epidemiology and Biostatistics, Pathology and Molecular Medicine.

Candidates are required to apply for this position by using the MathJobs website. See our advertisement at www.mathjobs.org. Review of applications will begin

on November 15, 2008 and will continue until the position is filled.

Applicants should arrange for at least three letters of recommendation. At least one of these letters should report on the candidate's teaching abilities. Preferably these letters will be submitted through the MathJobs website (see above); they may also be sent directly to:

SHARCNET CHAIR SEARCH Department of Mathematics & Statistics McMaster University Hamilton, ON L8S 4K1 Canada

Informal enquiries may be sent to:

David Earn <earn@math.mcmaster.ca> or Jonathan Dushoff <dushoff@mcmaster.ca>

We appreciate all replies to this advertisement, but only short-listed applicants will be contacted. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. McMaster University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Aboriginal persons, members of sexual minorities, and persons with disabilities.

David Earn <earn@math.mcmaster.ca>

NationalMuseumIreland 2 TechAssist EduAssist

Dear all,

Please circulate widely to potential applicants and note the very early application deadline. See below for two jobs currently advertised in the National Museum of Ireland, Natural History Divison. Both are fixed-term 5-year contracts. The positions are for 1, Education Assistant/Tour Guide - Natural History 2, Technical Assistant - Natural History

Deadline: 5pm on Friday 12 September 2008

The National Museum of Ireland's (NMI) Museum of Natural History is a Victorian cabinet-style museum with extensive exhibitions of 10,000 animals, both vertebrate and invertebrate, from all over the world, built up through more than two centuries of collecting. The total collections cover zoology, entomology and geology and number approximately 2 million specimens. The exhibition building is closed for renovations that will take several years. A new temporary gallery will be developed in early 2009 at the NMI Collins Barracks site.

For more information and application instructions for both positions see http://www.museum.ie/en/list/-current-opportunities.aspx To apply, please forward a letter of application, together with an up-to-date Curriculum Vitae (including a contact phone number and contact details for a minimum of three referees) to Ms Mary Dowling, citing the position of interest: <recruitment@museum.ie>

1, Education Assistant/Tour Guide - Natural History

The Education Assistant will be based in the National Museum Ireland, Museum of Natural History, Merrion Street, Dublin 2. and will work as a member of the Education and Outreach Department at the National Museum of Ireland- Archaeology, Kildare Street, Dublin 2.

The Education Assistant will: - Research, prepare and give guided tours of the exhibitions - Carry out general administrative work in relation to education programming and activities within a busy Education and Outreach Department i.e. undertaking filing, correspondence, compiling reports etc. - Undertake outreach visits using Museum handling material - Undertake other programmes as directed by the Education Officer who will be their Line Manager.

2, Technical Assistant - Natural History Division

The Technical Assistant will be based in the Natural History Division at the National Museum of Ireland - Natural History, Merrion Street, Dublin 2 and also work in the collections research facility at Beggars Bush, Dublin 4. The line manager is the Keeper - Natural History Division.

The principal duties of the Technical Assistant in the Natural History Division include but are not limited to the following: - Preparation of specimens for inclusion in the collections of the Division - Marking, labelling and boxing specimens - Maintenance of the alcohol-preserved collections - Preventive conservation of specimens to standards set by the Head of Conservation - Compilation of lists and inventories of specimens in the collections - Environmental monitoring of areas where specimens are exhibited or stored - Control and monitoring of potential pests in areas where specimens are exhibited or stored - Collection of specimens through fieldwork - Facilitating visitors to the collections - Arranging laboratory and technical supplies

– Julia Sigwart, PhD Collections-based Biology in Dublin (CoBiD) National Museum of Ireland & Uni-

versity College Dublin http://www.ucd.ie/cobid julia.sigwart@ucd.ie

NorthernArizonaU MicrobialGenomics FacilityManager

Northern Arizona University BSL-3 Select Agent facility manager.

The Center for Microbial Genetics and Genomics on the campus of Northern Arizona University in Flagstaff, Arizona, is a seeking a BSL-3 Select Agent Biocontainment Facility manager for a new BSL-3 Facility to be operational in June 2008. The Facility consists of ca. 1800sqft of Select Agent BSL3 laboratory space and ca. 4500sqft of non-Select Agent BSL2 laboratory space. The Center is a large and growing Research facility with over 50 Faculty, Staff and Students working on multiple research projects focused on understanding the evolution of microbial pathogens, with a strong emphasis on Biodefense. The Center also has close ties with the Translational Genomics (TGEN) Microbial Pathogen Facility, also located in Flagstaff. Reporting to the Center Assistant Director, the incumbent, working closely with the NAU RO and an Assistant Facility Manager, will oversee daily operation of the Select Agent Facility to enable high quality scientific research, biosafety, regulatory compliance and fiscal soundness. Responsibilities include development, implementation and oversight of policies and SOP systems required to operate the facility and manage personnel. Preference will be given to candidates experienced with the operation and management of biosafety level 3 laboratories. The position will require approximately fifty percent effort managing the facility, with the balance devoted to scientific research on relevant projects. This position will be filled at either a Research Project Coordinator or Project Director level, depending upon the academic level and work experience of the successful candidate.

For more information and application instructions, please go to http://hr.nau.edu/m/content/view/620/-476/, vacancy #557656, or contact James Schupp at James.Schupp@nau.edu.

Jim Schupp <James.Schupp@nau.edu>

Paris PromotingEvolution

Dear Colleagues

The International Union of Biological Sciences (IUBS) is looking for a talented, self motivated, energetic, enthusiastic and organized individual to fill the full time position of Executive Director reporting to the Officers. The Executive Director has overall responsibility for managing the IUBS Secretariat and representing the Union in France, and works closely with the elected Officers in all matters pertaining to the running of the IUBS.

The IUBS < www.iubs.org >, founded in 1919, is a non-government organization dedicated to the advancement and promotion of biological sciences in all its aspects through international cooperation. Its 40 Ordinary (National) and 80 Scientific Members and a large number of scientific programmes and projects cover the various aspects of biological sciences.

The IUBS Secretariat is located in the Paris region and provides contracted support staff as needs arise in the various scientific programmes. The IUBS offices are located within the campus of the University Paris-Sud 11, at Orsay near Paris.

The Executive Director shall carry out the following main functions: o Provide support to the President, Secretary General and Treasurer, including performing special projects as assigned; o Manage the operations of the Secretariat in Paris; o Coordinate Executive Committee and General Assembly meetings and prepare related documents; o Maintain contacts and communications with senior executives from partner organisations; o Communicate with, and respond to questions and requests from members of the IUBS; o Process billing payments/invoices, and maintain financial and budgetary records; o Coordinate fund raising for programmes and activities within the Union.

The IUBS is seeking candidates who can offer the following qualifications: o Self-motivation and the ability to work independently and reliably, with flexibility and initiative; o The ability to treat information with complete confidentiality, and to handle sensitive issues in a tactful and diplomatic manner; o Full command of written and spoken English and French; o Strong organizational skills and proven attention to detail; o The ability to build and maintain relationships at the senior

level.

Previous experience in a biological environment at a comparable level would be an advantage. The appointment is expected to start on 1 February 2009 with an initial probationary period of 12 months. A competitive salary will be offered, aligned with similar posts in the Paris region. Further information may be obtained by writing in confidence to the President (<john.buckeridge@rmit.edu.au>) and/or Secretary General (Christoph Scheidegger <christoph.scheidegger@wsl.ch>) of the IUBS, and/or Executive Director. Applications with full CV and names of two references should be addressed to the IUBS Secretariat (secretariat@iubs.org). The reviewing process starts 17 October, 2008. Interviews for short-listed candidates will be arranged in Paris in November, 2008.

Dr. Talal YOUNES Executive Director International Union of Biological Sciences (IUBS) Bat 442, Université Paris-Sud 11 91 405 Orsay cedex, France Tel: +33169155027 Fax: +33169157947 tyounes@iubs.org < http://www.iubs.org >www.iubs.org

christoph.scheidegger@wsl.ch
christoph.scheidegger@wsl.ch

Paris Tech MolPopGenetics

Position available at the Ecole Pratique des Hautes Etudes (EPHE, Paris, France) Laboratory of Integrative Population Biology (dir Michel Veuille)

Technician in molecular population genetics.

Level : ingenieur d'etudes IE2

The technician will be in charge of projects in the molecular population genetics of Drosophila (detection of selective sweeps, population structuring), and in the environmental genomics of marine bacteria. Skills are required in the molecular biology of DNA and in microbiology. The position also includes an hour /week on line maintenance, and the management of a grant from the French Centre National de Sequencage (CNS Genoscope). A full description of the position may be obtained from Michel Veuille

Address : UMR 5202 OSEB, dept Systematique et evolution (C39) 16 rue Buffon 75005 Paris, France. E-mail veuille@mnhn.fr, tel + 331 4079 3327, cell : +336 3006 1667

Michel Veuille <veuille@mnhn.fr>

PennStateU EvolutionaryGenomics 2

The Department of Biology at The Pennsylvania State University invites applications for a faculty position open at all professorial ranks in evolutionary genomics and bioinformatics. Prospective candidates should have a strong record of research accomplishments, ability to secure extramural grants, and a commitment for teaching. Candidates should email a letter of application, curriculum vitae, research prospectus, statement of teaching interests, and names and contact information of at least three references, all as a single PDF document to the appropriate search committee listed below. Publications and manuscripts (not more than three) may also be submitted as separate PDF documents along with the application. Review of completed applications will begin October 15, 2008.

Penn State is home to a highly successful and interactive research community in evolutionary genetics, genomics, and bioinformatics. Among the institutes and centers supporting research are the Institute of Molecular Evolutionary Genetics, the Center for Comparative Genomics and Bioinformatics, and the Institute of for Genomics, Proteomics and Bioinformatics. We seek candidates at all faculty ranks to strengthen our focus in all aspects of evolutionary genomics and bioinformatics. Email application materials as described above to evogen@bio.psu.edu

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

Please note that this a slightly revised version of a job ad posted on EVOLDIR 2 weeks ago.

Eddie Holmes Center for Infectious Disease Dynamics, Department of Biology, The Pennsylvania State University, Mueller Laboratory, University Park, PA 16802. USA. Tel: (814) 863 4689 Fax: (814) 865 9131 http://www.bio.psu.edu/home/ http://www.cidd.psu.edu/people/bio_holmes.html ech15@psu.edu

PennStateU EvolutionaryGenomics-Bioinformatics

The Pennsylvania State University - Evolutionary Genomics & Bioinformatics

The Department of Biology at Penn State invites applications for a faculty position, open at all professorial ranks, in evolutionary genomics and bioinformatics. Candidates should email a letter of application, curriculum vitae, research prospectus, and names and contact information of at least three references as a single pdf file to the appropriate search committee listed below. Publications and manuscripts (not more than three) may also be submitted as separate documents along with the applications. Review of completed applications will begin in October 2008.

Penn State is the home a highly successful and interactive research community in evolutionary genetics, genomics, and bioinformatics. Among the institutes and centers supporting research are the Institute of Molecular Evolutionary Genetics, the Center for Comparative Genomics and Bioinformatics, and the Institute of for Genomics, Proteomics and Bioinformatics. We seek candidates at all faculty ranks to strengthen our focus in all aspects of evolutionary genomics and bioinformatics. Email application materials as described above to genbio@psu.edu

Eddie Holmes Center for Infectious Disease Dynamics, Department of Biology, The Pennsylvania State University, Mueller Laboratory, University Park, PA 16802. USA. Tel: (814) 863 4689 Fax: (814) 865 9131 http://www.bio.psu.edu/home/-http://www.cidd.psu.edu/people/bio_holmes.html Eddie Holmes <ech15@psu.edu>

PennStateU ResAssist EvolutionaryEcol

Research Assistant / Technician â available Fall Semester 2008

Penn State Universityâs School of Forest Resources and Department of Biology are seeking an experienced and motivated Research Assistant / Technician to join an evolutionary ecology project. The position is for the day-to-day husbandry and general support within a new fish lab facility.Â In addition to routine fish care, the work will involve a breeding and rearing program for poeciliid fish. Previous experience with fish is desirable, a full drivers license, good inter-personal skills and excellent organizational skills are essential. This is a fixed term position funded for 3 years.

The lab focuses on questions about the causes of evolved differences in behavior, including temperament and learning. The project will involve carefully controlled cross breeding work to investigate the heritability of such behaviors, under different rearing conditions.

Further details on the research program the position is affiliated with can be found at:

School of Forest Resources: http://-www.sfr.cas.psu.edu/Faculty/Braithwaite.htm Biology: < http://www.bio.psu.edu/home/directory/-homepages/vab12 >

To apply please email electronic copies of a cover letter, a resume and the names and contacts details for two referees to <mailto:vab12@psu.edu> by 8th October 2008.

Gabrielle Archard <gaa11@psu.edu>

PennsylvaniaStateU EvoDevoGeneticist

The Department of Anthropology at The Pennsylvania State University seeks an Evolutionary Developmental Geneticist at the rank of Associate or Full Professor with a research program that focuses on the role of developmental programs in human evolution. The successful candidate will use methods and techniques of evolutionary-developmental biology including but not limited to comparative anatomy, evolutionary and comparative genomics and bioinformatics, computational biology, experimental or functional genetics in model animal or cell systems to shed light on the evolution and development of morphological and physiological phenotypes in humans and model organisms. The candidate will be expected to establish strong links between the Department of Anthropology and The Huck Institutes of the Life Sciences and to maintain a strong externally funded research and educational program. Review of applications will begin September 1, 2008. Please send

a curriculum vitae accompanied by a letter of application detailing current and future research projects, and at least three references, to: Melissa Strouse, Search Committee Liaison, Box A, Department of Anthropology, 409 Carpenter Building, Penn State, University Park, PA 16802. Penn State is committed to affirmative action, equal opportunity, and a diverse work force.

– Mark D. Shriver, Ph.D. Associate Professor of Anthropology and Genetics Penn State University 409 Carpenter Bldg. University Park, PA 16802 phone: 814-863-1078, fax:814-863-1474 lab:814-865-2313, cell:814-777-1078 email: mds17@psu.edu web: www.anthro.psu.edu/biolab/ Skype ID: mark.d.shriver

Mark Shriver <mds17@psu.edu>

Portugal Borneo Technician ConservationGenetics

Conservation Genetics, Habitat Fragmentation, Mammals, Portugal, Borneo.

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Technician job in conservation genetics: habitat fragmentation and large mammals of Borneo

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NOTE: DEADLINE 15 SEPT 2008 !!!

The Population and Conservation Genetics group (http://www.igc.gulbenkian.pt/research/unit/88) is looking for a technician to work on the impact of fragmentation on large mammals from Borneo. The project will involve both lab, field and simulation work in collaboration with L. Chikhi (in Portugal) and B. Goossens (in Malaysia).

The candidate is expected to work in close collaboration with a post-doctoral researcher who will be hired on the same project. Since the post-doc and technician are expected to be complementary, we are open regarding the profile that the technician should have. S/he could thus be a biologist with a strong interest for modelling, a biologist working in the laboratory or a theoretician/computer scientist with an equally strong interest in biological problems, and software development. Excellence and adaptability are the main selection criteria.

The Month Stipend follows the regulations of the FCT Scientific Fellowships in Portugal (745.00/month) and will initially be for 24 months. NOTE THAT THIS IS TAX-FREE.

The post-doc will be based at the Instituto Gulbenkian de Cienciaâ (IGC, http://www.igc.gulbenkian.pt/) which is a leading Research Institute in Portugal and in Europe. Researchers at the IGC work on a wide range of subjects from epidemiology, to genetics, evolutionary biology, bioinformatics and theoretical immunology. The IGC is located in Oeiras, a small sea-side town 20 min. by train from downtown Lisbon, along the Tagus. It is only 10-15 min. walking distance from the beaches and the quality of life is excellent. The IGC provides excellent research conditions and English is the communication language among and within groups. Several other research institutions are located near-by addressing both fundamental and applied questions in biomedical sciences using interdisciplinary approaches.

Applications in PDF format will be accepted by email only (to chikhi at igc.gulbenkian.pt) until September 15th, 2008, and will include:

-a short CV

-a motivation letter

-two recommendation letters (sent independently by referees) or contacts of two referees.

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LounÃs Chikhi ChargÃ© de Recherche CNRS UMR CNRS Evolution et DiversitÃ© Biologique, Toulouse chikhi@cict.fr

NOUVELLE ADRESSE (01/10/2007 AU 30/09/2008):

Population and Conservation Genetics Group Instituto Gulbenkian de CiÃncia Rua da Quinta Grande, 6 P-2780-156 Oeiras, Portugal Tel: +351 21 446 46 71 Fax: +351 21 440 79 70 chikhi@igc.gulbenkian.pt

LounÃs Chikhi <chikhi@cict.fr>

Queensland StatisticalGenetics

Research Officer

The Queensland Institute of Medical Research is one of the largest medical research institutes in the southern hemisphere, with programs in areas such as cellular and molecular sciences, epidemiology and population health, human genetics, cancer biology, biotechnology, infectious diseases and vaccine development.

Applications are invited for a Research Officer to join the Queensland Statistical Genetics Laboratory at the Queensland Institute of Medical Research. The position will develop and implement methods for the analysis of genetic and genomic data in large samples.

Applicants are required to have a PhD in quantitative, population, statistical or human genetics, or a related field. Postdoctoral experience in the analysis of genetic data and/or experience with computer intensive statistical method (e.g. MCMC) are highly desirable. The successful applicant will have (co)authored papers in journals with a good impact factor.

Salary range is $60,412 to $64,848 per annum commensurate with qualifications and experience. Attractive salary packaging and superannuation options also apply. This is a full-time appointment until 31 December 2010 with the possibility of review subject to funding availability.

Further Information including a position description and selection criteria is available from www.qimr.edu.au/employ or Professor Peter Visscher 07 3362 0166 or Peter.Visscher@qimr.edu.au

Applications should address the selection criteria and include a curriculum vitae, proof of qualifications, and the names and contact details of three professional referees.

Please quote reference number 80/08 and send applications to: vacancies@qimr.edu.au or: Human Resource Officer, Queensland Institute of Medical Research, PO Royal Brisbane Hospital, QLD, 4029.

Applications Close: 5:00pm Friday 17 October 2008

Kind Regards

Melanie Anderson Human Resource Assistant Queensland Institute of Medical Research 300 Herston Road, Herston Qld 4006 Ph: (07) 3362 0370 Fax:(07) 3362 0111

Peter M. Visscher Queensland Statistical Genetics Queensland Institute of Medical Research 300 Herston Road Herston, Queensland 4006, Australia tel. +61 7 3362 0166 fax. +61 7 3362 0101 http://genepi.qimr.edu.au < http://genepi.qimr.edu.au/ > peter.visscher@qimr.edu.au

Peter.Visscher@qimr.edu.au

SmithCollege PlantSystematist

PLANT ECOLOGIST/SYSTEMATIST

The Smith College Department of Biological Sciences invites applications for a full-time, tenure-track Assistant Professorship in terrestrial plant ecology/systematics beginning July 1, 2009. A commitment to undergraduate education and a strong research program including field research opportunities for undergraduates are essential. Teaching responsibilities will include courses in plant ecology and plant diversity/systematics (each with a field component), and participation in the department's core course on biodiversity, ecology and conservation. A Ph.D. is required; teaching and/or postdoctoral experience is preferred. Smith College is a leader in education of women and has a vibrant Biological Sciences Department. Exceptional resources in the plant sciences include a botanic garden, greenhouse, herbarium, and field station. State-of-the-art facilities include a GIS lab and centers for molecular genetics, biochemistry, and microscopy. Programs in Environmental Science and Policy and Landscape Studies facilitate interdisciplinary collaboration. The Five College Consortium, comprised of Smith, Amherst, Mount Holyoke, and Hampshire Colleges and the University of Massachusetts, provides a rich intellectual and cultural life for faculty and students, as well as collegial opportunities for teaching and research.

A curriculum vitae, statements of teaching philosophy and research interests, and three letters of recommendation should be sent by October 31, 2008 to: Plant Ecology Search Committee, Dept. of Biological Sciences, Clark Science Center, Smith College, Northampton, MA 01063. Smith College is an equal opportunity employer committed to excellence through diversity.

In addition, please email me if I can answer any questions about this position. Laura Katz – lkatz@smith.edu

lkatz@smith.edu lkatz@smith.edu

SonomaStateU DirectorPreserves

Director, Sonoma State University Preserves

Sonoma State University is seeking a qualified, productive and dynamic Director who will manage the 470 acre Fairfield Osborn Preserve (FOP) and the 3,670 acre Galbreath Wildlands Preserve (GWP).

Reporting directly to the Dean of the School of Science and Technology, the Director of Sonoma State Univer-

sity Preserves will develop, support and facilitate environmental education, research, nature preservation and stewardship, community outreach, and fundraising at both FOP & GWP.

A graduate degree in life sciences, earth, sciences, environmental sciences, geography, or an appropriately related discipline is required. A Ph.D. is preferred.

The University, with an enrollment of about 8,000 students, is less than 50 miles north of San Francisco in scenic Sonoma County. FOP is just 7 miles east of the campus at the top of Sonoma Mountain and the GWP is located about 60 miles north west of the campus near the town of Boonville in southern Mendocino County. More information on the Sonoma State University Preserves may be found at www.sonoma.edu/-scitech/preserves . Annual salary is not expected to exceed $70,000. Review of applications begins on October 20, 2008. For complete description and application procedures, see http://www.sonoma.edu/es/-employment/jobs/3065.html . For more information, contact Dean Rahimi (rahimi@sonoma.edu), tel (707) 664-2171

Nathan Rank <rank@sonoma.edu>

StonyBrookU Human Evolutionary Behavior

Stony Brook University: Human Behavioral Ecologist

The Department of Anthropology at Stony Brook University invites applications for a tenure-track position at the level of Assistant Professor, beginning September 2009. We seek an individual with an active research program and teaching interests in Human Behavioral Ecology. The successful candidate will use an evolutionary approach to the study of human behavior in traditional (living or historic) or westernized human populations and will participate in a new inter-departmental university initiative in Human Evolutionary Biology. Research areas may include optimal foraging, mating strategies, sexual conflict, life history theory, cooperation and aggression, disease and immunology, or other areas in behavioral ecology or evolutionary psychology. Send electronically (pdf preferred) and by mail application letter (with details on research and teaching interests), curriculum vitae, and up to three publications, and request that three referees forward their letters of reference to: Andreas Koenig, HBE Search Committee, Department of Anthropology, Stony Brook University, Stony Brook, NY 11794-4364 <akoenig@notes.cc.sunysb.edu> before October 20, 2008. Stony Brook University is an Equal Opportunity/Affirmative Action Employer.

akoenig@notes.cc.sunysb.edu

SUNY StonyBrook EvolutionaryStatistics

Evolutionary Statistics

Terrestrial Plant Ecology

The Department of Ecology and Evolution at Stony Brook University invites applications for two tenure-track positions at the Assistant Professor level to begin in August 2009.

Ecological/Evolutionary Statistics: We seek a biostatistician working in ecology and/or evolution, with broad experience in statistical theory and methods. We especially welcome those developing new statistical approaches. The research area is open. Possible research areas could include statistical genetics, genomics, landscape ecology, population dynamics, and morphometrics using approaches including multivariate analysis, meta?analysis, Bayesian statistics, and spatial statistics, among others. The successful candidate will teach a core graduate course in Biometry as well as other graduate or undergraduate courses in their area of expertise.

Terrestrial Plant Ecology: We are seeking applications from plant ecologists working at the interface between community and ecosystem ecology and interested in problems related to global change, but we will consider outstanding candidates in any area of plant ecology, including species interactions, community dynamics, physiological ecology, and plant demography. Candidates with strong backgrounds in quantitative methods and with interests in spatial or experimental approaches are especially welcome.

The successful applicants for these positions will have an outstanding research program and a commitment to excellence in teaching, and will be expected to obtain outside funding. We are a dynamic and growing department in a Tier I university offering competitive teaching loads and startups. Information about our collegial and diverse faculty and strong graduate training program is available at http://life.bio.sunysb.edu/ee/ . Interactions with members of other programs on campus

and in the area are strongly encouraged; these include the Consortium for Inter- Disciplinary Environmental Research at Stony Brook, the School of Marine and Atmospheric Sciences, the Departments of Anthropology, Anatomy, and Applied Math, the Genetics Program, Brookhaven National Laboratory, and Cold Spring Harbor Laboratory. The campus is situated close to major marine and terrestrial research sites, including 50,000 acres of legally protected pine barrens and woodlands. Stony Brook is located in eastern Long Island, NY, with extensive farmlands and vineyards, miles of beaches, and easy access to the cultural resources of New York City.

This is a great place to establish a career and a nice place to be. Applicants must have a Ph.D. and a strong publication record; post- doctoral experience is preferred. Applicants should submit CVs, statements of teaching and research interests, and have three letters of recommendation sent to: Ecological/Evolutionary Statistics Search or Plant Ecology Search, Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY 11794?5245 USA or online at http://life.bio.sunysb.edu/ee/recruitment.htm Applications will be considered as they are received until November 1.

Stony Brook University is an equal opportunity/affirmative action employer. Women, people of color, individuals with disabilities and veterans are encouraged to apply.

lmdavalos@gmail.com

TulaneU ComputationalEvolution

The Department of Ecology and Evolutionary Biology, Tulane University, invites applications for three tenure-track positions, two emphasizing field or laboratory research and one emphasizing computational research in ecology or evolution. See http://www.tulane.edu/-˜ebio/news/new-positions.php for details about the positions, department, and application process. Send a letter of application, curriculum vitae, statements of research and teaching interests, selected publications, and names and addresses of three references to: Faculty Searches, Department of Ecology and Evolutionary Biology, 400 Lindy Boggs Center, Tulane University, New Orleans, LA 70118-5698. Review of applications will begin October 15, 2008, and the search will remain open until the positions are filled. Tulane University is an Affirmative Action/Equal Employment Opportunity/ADA Employer. Women and minorities are encouraged to apply.

mjblum@tulane.edu mjblum@tulane.edu

UCaliforniaSanDiego EvolutionaryBiology

Ecology, Evolution, and Behavior

University of California San Diego Section of Ecology, Behavior & Evolution Division of Biological Sciences http://www-biology.ucsd.edu/ The EBE Section and the Division of Biological Sciences are committed to building a strong program to meet the scientific and educational challenges of the 21st century. The section expects to hire as many as six faculty over the next two years. We currently seek applications from outstanding scientists in the fields of ecology, evolution, and behavior. Applications from junior candidates are strongly encouraged although tenured scientists will be considered. Area of scholarship is open and all fields will be considered, but we are particularly interested in candidates who's research applies to the ecological and evolutionary challenges faced by the earth's biota in response to human alteration of the global environment. Applicants should demonstrate outstanding records of research achievement and be able to attract significant extramural research support. Appointees are expected to participate fully in departmental affairs and teaching.

Level of appointment will be commensurate with qualifications and experience. Salary will be based on published UC pay scales. Review of applications will begin October 1, 2008 and continue until the position is filled. Applications should comprise a single .pdf file containing a CV, copies of recent publications, and statements of research and teaching interests. The application and three letters of reference (sent directly by the referees) should be sent to ebe-search-l@ucsd.edu with EBE Search as the subject line. Applicants are welcome to include in their cover letters a personal statement summarizing their contributions to diversity. UCSD is an EO/AA employer with a strong institutional commitment to excellence through diversity.

Best, Kim

Kim Huynh

Division of Biological Sciences Academic Personnel

Unit 9500 Gilman Drive La Jolla, CA 92093 - 0346

ph: (858)534-6387 fax: (858)534-6341

"Huynh, Kim-Loan" <kimhuynh@mail.ucsd.edu>

UdelosAndes Paleontology

UNIVERSIDAD DE LOS ANDES

El Departamento de Ciencias Biológicas de la Universidad de los Andes (Bogotá, Colombia) requiere un profesor de tiempo completo con formación y experiencia de investigación en Paleontología. Los aspirantes deben poseer título de Ph.D., preferiblemente con experiencia posdoctoral en docencia e investigación. El candidato debe estar en disposición de promover y realizar proyectos de investigación. Son especialmente bienvenidos investigadores con experiencia en biología evolutiva y paleontología neotropical.

Se espera que el candidato seleccionado interactúe como profesor y orientador de estudiantes de pregrado y postgrado, y que lidere una línea de investigación en el campo propuesto.

Enviar hoja de vida, copia de publicaciones, una breve descripción del programa de investigación, y dos cartas de recomendación antes del 30 de enero del año 2009 a:

Comité de Contrataciones Profesorales Departamento de Ciencias Biológicas Universidad de Los Andes Carrera 1 No. 18A-10 P.O.Box 4976 Bogotá, Colombia ccontbio@uniandes.edu.co

UNIVERSIDAD DE LOS ANDES

The Department of Biological Sciences at the Universidad de los Andes (Bogotá, Colombia) seeks to fill a position for a full time assistant or associate professor with formal training and research experience in Paleontology. Applicants must have a Ph.D. degree, preferably with postdoctoral research and teaching experience. Researchers with experience in evolutionary biology and neotropical paleontology are especially encouraged to apply.

The successful candidate is expected to teach and supervise undergraduate and graduate students, and to promote and conduct research projects in the proposed field.

Send curriculum vitae, copies of recent publications, a research program, and two letters of recommendation by January 30, 2009 to:

Faculty Search Committee Departamento de Ciencias Biológicas Universidad de Los Andes Carrera 1 No. 18A-10 P.O. Box 4976 Bogotá, Colombia ccontbio@uniandes.edu.co

samadrin@uniandes.edu.co

UEdinburgh ResAssist MalariaEvolution

Graduate research assistant required, to work on the evolutionary ecology of malaria parasites

A Wellcome Trust funded research assistant position is available immediately for a highly organised and motivated graduate with a degree in a biological science subject. You will work with and assist members of Dr Sarah Reece's lab on a variety of projects to investigate the evolution and ecology of the transmission biology of malaria (Plasmodium) parasites. Current projects including asking questions such as how, why and when does to social and in-host environment of parasites influence traits such as investment into growth and reproduction, sex allocation, virulence and programmed cell death.

The work is interdisciplinary as it involves testing the predictions of evolutionary ecology using new molecular and cell biology methods as well as standard parasitological techniques. Lab work routinely involves maintaining infections in rodents and mosquitoes, and collecting parasites for culture. Data collection usually involves monitoring parasites as their infections progress and when challenged with different scenarios, such as anti-malarial drugs, competition with other parasites, and anaemic or immune hosts. The project involves work with rodents and some weekend work will be required.

The position would suit an enthusiastic recent graduate whose degree has a strong parasitology, evolution or ecology component and an interest in evolutionary medicine. Experience with molecular techniques (e.g. PCR) and working with rodent models would be an advantage but are not essential. You will be able to work as pat of a team to develop new techniques, carry out experiments and collect the resulting data. You will also be able to work independently to maintain the lab's records of parasite stocks, safety information and carry out pilot work. Our website provides more detailed information, links to relevant publications and contact details for informal enquiries (http:/-

/homepages.ed.ac.uk/sreece/).

The role is grade UE06 and attracts an annual salary of GBP 23692 to 27466 per annum for full-time hours (35 hours per week), dependent on age and experience, and is offered for 1 year in the first instance, extendable up to 51 months.

More information and application instructions can be found at www.jobs.ed.ac.uk Vacancy ref: 3009729 The closing data is Sept 19th 2008

——-Further information About Edinburgh —- Edinburgh http://en.wikipedia.org/wiki/Edinburgh University of Edinburgh http://www.ed.ac.uk/-about/ School of Biological Sciences http://-www.biology.ed.ac.uk Institute of Evolutionary Biology http://www.biology.ed.ac.uk/research/-institutes/evolution/ Dr Sarah Reece Institutes of Evolution, Immunology and Infection Research, School of Biological Sciences, Ashworth Laboratories, University of Edinburgh, Edinburgh EH9 3JT Scotland, UK

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sarah.reece@ed.ac.uk http://homepages.ed.ac.uk/-sreece/ Sarah.Reece@ed.ac.uk Sarah.Reece@ed.ac.uk

UGeorgia ModelingInfectiousDiseases

Postdoctoral Associates Modeling Infectious Diseases University of Georgia

The Computational Ecology & Epidemiology Study Group (CEESG), an affiliation of infectious disease modelers in the newly formed University of Georgia Faculty of Infectious Diseases (http:// id.uga.edu), invites postdoctoral applicants to join the following projects:

* Evolutionary ecology of infectious diseases: a theoretical study of within- and between-host diseases dynamics, emphasizing transient evolution, pathogen diversity, and host heterogeneity. PI: Andrew Park (awpark@uga.edu)

* Phylodynamics of disease networks: an agent-based simulation study of the evolution of multi-strain pathogens in multi-host systems, applied to avian influenza viruses. PIs: John Drake (jdrake@uga.edu) & Pejman Rohani (rohani@uga.edu)

* Ecoinformatics of emerging pathogens: a study exploring large scale geographic and evolutionary patterns in macroepidemiology. PI: John Gittleman (ecohead@uga.edu)

* Multi-scale modeling of pathogen dynamics within and between hosts, focusing on influenza and tuberculosis. PI: Andreas Handel (andreas.handel@gmail.com)

* Space-time dynamics of vector-borne pathogens: a geostatistical study of West Nile virus in New York City. PI: John Drake (jdrake@uga.edu)

Successful applicants may have experience in any of the quantitative sciences, including mathematics, physics, statistics or biostatistics, ecology, evolutionary biology, or computer science. Positions are for 1-3 years, with salaries ranging from $35,000-$42,000 per year (depending on experience), plus health and retirement benefits. For more details, see the CEESG website at http:/-/dragonfly.ecology.uga.edu/ceesg . Applicants should email PIs with a statement of interest, CV, and contact information for three references. Applications will be reviewed on an ongoing basis until positions are filled.

The University of Georgia is an equal opportunity, affirmative action employer.

Andrew Park <andrew.william.park@gmail.com>

UMexico EvolutionaryBiol 2

Last week an email about this position was sent through EvolDir. Here it is again because it had a mistake about tne number of postdoctoral years needed.

POSITION AVAILABLE FOR AN ASSOCIATE OR FULL PROFESSOR, DEPENDING ON QUALIFICATIONS, TO WORK AT THE INSTITUTE OF ECOLOGY, NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO (UNAM), MEXICO CITY, IN THE DEPARTMENT OF EVOLUTIONARY ECOLOGY.

STARTING DATE: AS SOON AS POSSIBLE

Minimum requirements: PhD and postdoctoral experience of 2 years. Publications in international journals of relatively high impact. Experience in ecological research with an evolutionary emphasis. Acceptable areas of interest: evolutionary epidemiology, molecular evolution, comparative methods, demography/ life histories OR other areas of evolutionary ecology. Language: should speak Spanish sufficient to

teach in Spanish. Able and willing to collaborate with other researchers, particularly within the Department of Evolutionary Ecology. Interested in participating in applied projects related to national ecological problems. Teaching experience and willingness to teach a course per year. Experience seeking funding for research. Please send your Curriculum Vitae to: hugh@servidor.unam.mx (Dr. Hugh Drummond)

PLAZA DE INVESTIGADOR EN EL INSTITUTO DE ECOLOGIA, UNAM, DENTRO DEL DEPARTAMENTO DE ECOLOGÍA EVOLUTIVA. FECHA DE INICIO: INMEDIATA.

Requerimientos mínimos: Doctorado y experiencia posdoctoral de dos años. Publicaciones en revistas de circulación internacional de alto impacto. Experiencia en investigación ecológica con énfasis evolutiva. Áreas de interés aceptables: epidemiología evolutiva, evolución molecular, métodos comparativos, demografía/historias de vida; otras áreas de la Ecología Evolutiva. Idiomas: debe hablar español de forma suficiente para dar clases. Dispuesto a colaborar con otros investigadores, especialmente los del Departamento de Ecología Evolutiva. Dispuesto a colaborar en proyectos aplicados relacionados a problemas ecológicos nacionales. Experiencia en docencia y dispuesto a dar clases (un curso al año). Experiencia en adquirir fondos para investigación.

Favor de enviar su Curriculum Vitae a: hugh@servidor.unam.mx (Dr. Hugh Drummond)

evazquez@ecologia.unam.mx
evazquez@ecologia.unam.mx

UMiami TropicalPlantEvolution

Smathers Chair in Tropical Tree Biology and Director of the Gifford Arboretum Associate Professor or Professor

The Smathers chair holder must be a distinguished scientist focused on plant evolution who will contribute to the department's strong focus on ecoloy and evolution in tropical systems. The Smathers Chair will also lead development and use of our on-campus John C. Gifford Arboretum. Send nominations or applications (CV and statements of interests in research, teaching, and managing a living collection) before December 3, 2008 to SmathersChair@bio.miami.edu

The search opens October 1, 2008 and closes December 3, 2008. The appointment will be made at the associate professor or professor rank. Under new leadership, the Department of Biology is beginning a significant expansion (see http://bio.miami.edu/index.html) and has recently hired five new faculty, two of whom are senior. As a major university in Miami, the gateway to the tropics, we have a strong commitment to excellence in Tropical Biology. The University of Miami particularly encourages applications from women and minorities.

whitlock@bio.miami.edu whitlock@bio.miami.edu

UMichigan EvolutionaryBiology

Evolutionary Biology or Evolutionary Ecology Assistant Professor University of Michigan

The Department of Ecology and Evolutionary Biology at the University of Michigan invites applications for a tenure-track assistant professor position in evolutionary biology or its intersection with ecology. The position will have a university year appointment. We seek outstanding individuals with research and teaching interests in any area of evolutionary biology or evolutionary ecology; including evolutionary and ecological genetics and genomics, population and quantitative genetics, phylogenetics of communities, evolutionary theory, phylogenetics, and evolution of morphology, function, and behavior. For further information, please see http://www.eeb.lsa.umich.edu . To apply, please provide: complete curriculum vitae, statements of current and future research plans and teaching philosophy and experience, evidence of teaching excellence, copies of publications and arrange to have three letters of recommendation sent to: eebsearch@umich.edu (preferred) or Evolutionary Biology Search Committee, Department of Ecology and Evolutionary Biology, University of Michigan, 830 N. University, 2019-S Kraus Bldg, Ann Arbor 48109-1048. Review of applications will begin on November 15, 2008 and continue until a suitable candidate is identified. Women and minorities are encouraged to apply and the University is supportive of the needs of dual career couples. The University of Michigan is an equal opportunity/affirmative action employer.

jianzhi@umich.edu jianzhi@umich.edu

UMinnesota EvolutionaryBiology

Faculty Position in Evolutionary Biology Department of Plant Biology University of Minnesota

The Department of Plant Biology at the University of Minnesota announces a faculty search for a tenure track Assistant Professor in Evolutionary Biology. We seek an innovative, productive scientist conducting research on plants or fungi. We welcome applicants working in any area of evolutionary biology, and are particularly interested in research exploring the interface between organismal and molecular/genomic approaches to study evolutionary processes. Appointment at a more senior level may be considered for exceptional candidates with records of outstanding accomplishment.

The Department of Plant Biologyâs expertise spans evolutionary biology and systematics, genetics and genomics, molecular biology and development and faculty are involved with the Microbial and Plant Genomics Institute, the Minnesota Supercomputing Institute, and the Bell Museum of Natural History. This position provides opportunity for collaboration within and beyond the Department of Plant Biology, access to students in multiple graduate programs, including Ecology, Evolution and Behavior, and a competitive start-up package. The University of Minnesota-Twin Cities Campus has extensive facilities for high performance computing, genomics, proteomics and metabolomics, as well excellent field, greenhouse, herbarium, and laboratory facilities. The campus is located in the heart of the Minneapolis-Saint Paul metropolitan area, which is rich in cultural and natural attractions.

For more information about the position, the department, and related initiatives (we are also searching for a computational or systems biologist) see www.cbs.umn.edu/plantbio/ . To apply please send a letter of application, a curriculum vitae, statements of research and teaching interests, and names and addresses of three professional references to: Dr. Peter Tiffin, Search Committee Chair, Department of Plant Biology, 250 BioScience Center, 1445 Gortner Avenue, University of Minnesota, St. Paul, MN, 55108, USA.

Send inquiries and electronic applications to evol_search@umn.edu.

Review of applications will begin November 8, 2008.

ptiffin@umn.edu ptiffin@umn.edu

UMuenster PlantEvolutionaryBiology

Re.: Openings at the IEB (Institute for Evolution and Biodiversity, University of Muenster, Germany)

Full Professor of Molecular Evolutionary Biology, Focus on Botany (W3 salary scale, starting date: April 1st, 2009, application deadline Oct 31st, 2008)

Professor of Botany, Focus on Evolution and Biodiversity of Plants (W2 salary scale, starting date: April 1st 2009, applications until Sept 30th, 2008)

Please mind we are planning to advertise a Junior-Professorship in Experimental Molecular Evolution which will be advertised in early 2009 as indicated below.

Postdoctoral positions and PhD positions in molecular evolution and evolutionary bioinformatics, commencing date late 2008 or early 2009 are also available.

For all posts please find further details at:

http://www.uni-muenster.de/Evolution/-Advertisements/ Informal requests can be adressed to Profs Erich Bornberg-Bauer ebb@uni-muenster.de or Joachim Kurtz joachim.kurtz@uni-muenster.de.

Erich Bornberg-Bauer <ebb@uni-muenster.de>

UNebraskaLincoln MathBiology

Note: The mathematics of evolutionary biology clearly falls within the interest areas of this advertisement.

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University of Nebraska-Lincoln

Department of Mathematics

Applications are invited for one tenure-track position in mathematical biology, starting August 2009. The successful candidate will have a Ph.D. in mathematics or a closely related field, and outstanding potential for research and teaching in mathematics. Preference will be given to applicants in an area of mathematical biology that complements or builds upon existing

strengths of the department and/or a UNL life sciences department. Applicants should send a letter of application, a CV, separate statements addressing research and teaching, and at least three letters of reference, at least one of which should address teaching, to: Mathematical Biology Search Committee, Department of Mathematics, University of Nebraska-Lincoln, Lincoln, NE 68588-0130. Use of the AMS application cover sheet is encouraged. To be considered for the position, applicants must also complete the Faculty/Administrative application at http://employment.unl.edu, requisition #080765. Review of applications will begin December 5, 2008 and continue until the position is filled. For more information see the department's web site at www.math.unl.edu. The University of Nebraska is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers: contact Marilyn Johnson at (402) 472-8822 for assistance.

cbrassil2@unl.edu cbrassil2@unl.edu

UNebraskaLincoln PlantSystemsBiol

As seen in the 29 August issue of Science:

Plant Biology at the University of Nebraska-Lincoln

The Plant Science Community at the University of Nebraska-Lincoln is a vibrant, rapidly growing group of scientists focused in research areas that include ecological, evolutionary, genomic and molecular approaches. This year, we are pleased to announce two new tenure-track faculty positions:

Plant Systems Biologist (Requisition # 80705): A joint, tenure-track Assistant Professor position in the Center for Plant Science Innovation (http://psiweb.unl.edu) and with its academic home in the School of Biological Sciences (http://www.biosci.unl.edu/) . The successful candidate will be expected to maintain a vigorous, externally funded research program on plant gene networks, systems biology and/or computational biology. Strong preference will be given to research programs that focus on plant gene regulatory networks, modeling of genotype x environment interactions, cellular and physiological complexity, or plant interactions with other organisms. Teaching responsibilities include teaching one graduate or undergraduate level course annually in a relevant area. A Ph.D. and post-doctoral experience in genetics, molecular biology, cell biology, computational biology or a related field are required. Salary is commensurate with qualifications and experience.

Plant Organismal Biologist (Requisition #80611): A tenure-track Assistant Professor position in the School of Biological Sciences (http://www.biosci.unl.edu/). Candidates will be expected to develop a rigorous, externally funded research program in evolutionary and/or ecological studies of plants. Strong preference will be given to research programs that include a field component. Teaching responsibilities include teaching two courses annually, taking primary responsibility for a lower division undergraduate course in biodiversity one semester and teaching an upper division or graduate course emphasizing the ecology and/or evolution of plants in the alternate semester. A Ph.D. in the life sciences and post-doctoral research experience are required and teaching experience preferred. Salary will be commensurate with qualifications and experience.

Both positions have start dates of August, 2009. The positions will remain open until a suitable candidate is selected.

To be considered for this position go to http://employment.unl.edu, and use the appropriate requisition # (indicated above), complete the Faculty/Administrative Form and attach CV; cover letter; statement of teaching and research philosophy in three separate documents and names, addresses, and phone numbers of three references. Arrange for three letters of reference to be sent to: Dr. Alan Kamil, School of Biological Sciences, University of Nebraska-Lincoln, 348 Manter Hall, Lincoln, NE 68588-0118 by September 30, 2008. Review of applications will begin October 1, 2008 and continue until a suitable candidate is selected.

The University of Nebraska is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.

Diana Pilson <dpilson1@unl.edu>

UOregon EvolutionaryBiol

As seen in the September 5 issue of Science:

Assistant Professor, Evolutionary Biology Center for Ecology and Evolutionary Biology / Department of Biology University of Oregon, Eugene, OR

The University of Oregon Center for Ecology and Evolutionary Biology (http://ceeb.uoregon.edu) and the

Department of Biology (http://biology.uoregon.edu) invite applications for a tenure-track position (ASSISTANT PROFESSOR) in molecular evolutionary biology. We are particularly interested in candidates who use functional and/or mechanistic approaches to address fundamental questions about evolutionary processes. The successful candidate will have an outstanding research program and a commitment to excellence in teaching at the undergraduate and graduate levels. Ph.D. required.

Applicants should submit curriculum vitae, statement of research interests, statement of teaching philosophy, and have three letters of recommendation sent to: Joe Thornton (Search Chair), c/o Shelley Elliott, Department of Biology, 1210 University of Oregon, Eugene, OR 97403-1210; e-mail: shelley1@uoregon.edu . To ensure full consideration, applications must be received by October 17, 2008, but the search will remain open until the position is filled.

The University of Oregon is an Equal Opportunity/Affirmative Action Institution committed to cultural diversity and compliance with the Americans with Disabilities Act. Women and minorities encouraged to apply. We invite applications from qualified candidates who share our commitment to diversity.

CEEB and the Biology Department offer a collegial and intellectually rich environment for evolutionary biologists. Eugene has excellent quality of life, good culture, and unsurpassed opportunities for outdoor recreation.

Joe Thornton Associate Professor Center for Ecology and Evolutionary Biology 5289 University of Oregon Eugene, OR 97403 joet@uoregon.edu

UOregon ResTech Aging

Research Technician University of Oregon Genetics of Aging

The Phillips laboratory in the Center for Ecology and Evolutionary Biology at the University of Oregon seeks applicants for a full time research technician for a new project investigating the genetic basis of natural variation in aging within natural populations of nematodes. The primary duties of this position are to 1) develop and maintain mutant libraries and lines of natural isolates, 2) perform forward and reverse mutant screens, and 3) provide general lab management and support.

Applicants are expected to be responsible and dedicated individuals with strong organizational skills, significant experience working in a research laboratory setting, and the ability to work independently, as well as with faculty, staff and students from diverse backgrounds. A bachelor's degree in biology or related field and basic molecular skills are required; advanced experience with molecular biology and/ or experience with model organisms such as C. elegans are preferred. Initial appointment at the rank of research assistant is for one year, with the possibility for renewal based on performance, available funding, and research needs. Salary commensurate with experience and includes an excellent benefits package. To assure full consideration, applications must be received by October 19, but position will remain open until filled. Email cover letter, CV and names of three references to Dr. Patrick Phillips, via sara@uoregon.edu. Posting #8305

EO/AA/ADA institution committed to cultural diversity.

Patrick C. Phillips, Professor of Biology Center for Ecology and Evolutionary Biology Email: pphil@uoregon.edu Phone: (541) 346-0916 | FAX (541) 346-2364 Address: 5289 University of Oregon Eugene, OR 97403-5289 USA Web: Lab http://www.uoregon.edu/~pphil EvoNet http://www.EvoNet.org CEEB http://evolution.uoregon.edu IGERT http://evodevo.uoregon.edu pphil@uoregon.edu pphil@uoregon.edu

UPeurtoRico SystematicIchthyology

SYSTEMATIC ICHTHYOLOGIST tenure-track position

The Department of Marine Sciences of the University of Puerto Rico at Mayagüez (http://cima.uprm.edu) seeks applicants for a tenure track position in Ichthyology. The Department is particularly interested in candidates whose research focus is field oriented within the broad areas of ecology and systematics, behavior, physiology and/or biogeography of marine fishes. As the DMS houses an important fish collection, the Department is also interested in candidates capable of maintaining and curating this collection and who will actively incorporate this resource within graduate training.

The Department of Marine Sciences is a graduate department of 23 faculty members. It has 80-95 students and offers M.S. and Ph.D. degrees. There are excellent

facilities at the Marine laboratory on Magueyes Island, near La Parguera and on the UPR Mayaguez Campus. Proximity to a wide variety of shallow and deep-water tropical environments and the availability of research vessels offer unique opportunities for both coastal and deep research.

The successful candidate is expected to have a record of significant ichthyological research and publications, excellent communication skills and is expected to develop an active, extramurally funded research program, and to supervise Masters and Ph.D. students. Teaching requirements include graduate level courses in Marine Ichthyology (Biology and Systematics), and in the candidate's specific area of expertise. Research and teaching interests should complement the existing areas of expertise within the Department of Marine Sciences. The position requires an organized professional who is motivated and energetic, and enjoys interacting with students and collaborators.

Base salary of $59,400.00, (Assistant Professor) can be supplemented with external funds.

Send Application Materials including a statement of research and teaching interests and plans, a curriculum vitae, representative reprints, and three letters of recommendation to: Director, Department of Marine Sciences, University of Puerto Rico, Mayagüez, PR 00681-9013 by October 31, 2008 or electronically to naponte@uprm.edu.

UPR-Mayagüez is an Affirmative Action/Equal Opportunity Employer

Nikolaos V. Schizas Associate Professor Department of Marine Sciences University of Puerto Rico, Mayagüez P.O. Box 9013 Mayagüez, PR 00681-9013

Tel: 1-787-899-2048 ext. 242 (Office) Tel: 1-787-899-2048 ext. 225 (Lab) Fax: 1-787-899-5500 Web Page: http://cima.uprm.edu/ ˜ n_schizas/ "Dr. Nikolaos Schizas" <n_schizas@cima.uprm.edu>

UPittsburgh EvolutionaryBiol

FACULTY POSITION

ECOLOGY-EVOLUTION

The Department of Biological Sciences at the University of Pittsburgh anticipates making one full-time tenure-track faculty appointment in the area of ecology-evolution beginning September 2009, pending budgetary approval. The appointment will be made at the ASSISTANT PROFESSOR level. The appointment will continue to advance our Department's goal of fostering a broad-based interactive community of scientific researchers in modern biology. Excellent research and teaching facilities are available on campus and at the University's Pymatuning Laboratory of Ecology. Applications are invited from candidates in any area of ecology and evolution, including:

* Community, Ecosystem or Global Change ecology * Theoretical ecology or evolution * Genomic, Phylogenetic, Molecular or Developmental evolution * Animal, Plant or Microbial systems

The successful candidate must have a Ph.D. and postdoctoral experience and will be expected to establish an extramurally funded research program, train graduate students, and actively participate in undergraduate education and research. To ensure full consideration, applications should be received by November 1, 2008. Applicants should email a single PDF document containing curriculum vitae, a statement of research accomplishments and goals, and a brief description of teaching interests to biojobs@pitt.edu. In addition, applicants should arrange to have at least three letters of reference sent to the Search Committee by email at biojobs@pitt.edu.

Further information on the Department of Biological Sciences is available at: http://www.pitt.edu/˜biology, University of Pittsburgh, Pittsburgh, PA 15260, (412) 624-4266. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

Tia-Lynn Ashman Associate Professor Department of Biological Sciences 4249 Fifth Ave. & Ruskin University of Pittsburgh Pittsburgh, PA 15260-3929 phone: 412-624-0984 fax: 412-624-4759 web: http://www.pitt.edu/ ˜ biohome/Dept/Frame/-Faculty/ashman.htm tia1+@pitt.edu tia1+@pitt.edu

UPotsdam Coevolution TheoreticalEcol

Senior visiting scientist - Theoretical Ecology/Coevolution: University of Potsdam, Germany

A 9-month position for a senior visiting scientist ex-

perienced in theoretical community ecology and/or coevolutionary theory is available at the University of Potsdam (close to Berlin/Germany). The position will start on 1 December 2008 or later (e.g. spring or summer 2009) and forms part of the Marie Curie Transfer of Knowledge Project FEMMES (FEedback Mechanisms in Models for Ecological forecastS) (for Marie Curie Transfer of Knowledge see http://ec.europa.eu/research/fp6/mariecurie-actions/action/knowledge_en.html). FEMMES aims to develop innovative models that describe how dynamic feedbacks between different hierarchical levels (from genotypes to communities) affect the response of ecological systems to environmental change. The project runs over a period of 4 years, comprises a total of five positions for visiting scientists, and is jointly hosted by the Department of Plant Ecology and Nature Conservation, and the Department of Ecology and Ecosystem Modelling.

The visiting fellow will be based at the Department of Plant Ecology and Nature Conservation, a research group with broad experience in the development of individual-based and spatially-explicit ecological models (e.g. Grimm et al. 2005 Science 310: 987-991). In collaboration with host scientists and a FEMMES Postdoc, the fellow will develop a concept for the integration of feedbacks between the dynamics of communities, populations and genotypes into models of community response to environmental change. In particular, we aim to better understand at which timescales different hierarchical levels respond to environmental change and to clarify the relative importance of these changes for community dynamics. Details of the research to be conducted at Potsdam (including possible focal systems) are open to discussion and should be linked to previous experiences and current research interests of the fellow and the host. Ongoing research projects of the host combine theoretical and empirical work on the response of genotypes, populations, species and communities to habitat fragmentation, the ecology and evolution of invasive plant species, the ecological dynamics of populations and species under climate change, and the spread of transgenes in populations of crop plants and trees (see also www.bio.uni-potsdam.de/-professors/plant-ecology-and-nature-conservation).

Applicants should have at least 10 years of research experience, should be non-German, and should not have resided in Germanyfor more than 1 year during the past 3 years. Germans are eligible if they have resided outside the EU for at least four of the last five years (for details see http://ec.europa.eu/research/fp6/mariecurie-actions/action/level_en.html).

Applicants should be fluent in English, but knowledge of German is not required. Salary is in accordance with the EU payscale for more experienced researchers, and includes social security contributions. Additionally, fellows receive travel and mobility allowances.

The Department of Plant Ecology and Nature Conservation resides in the picturesque Parkof Sanssouci, a UNESCO World Heritage Site. Potsdamis a pleasant town a mere 20 minutes from Berlinwith its rich cultural life.

Applications will be considered until the position is filled. For enquiries and applications please contact by e-mail: Prof. Dr. Florian Jeltsch (jeltsch@uni-potsdam.de) and Dr. Frank Schurr(schurr@uni-potsdam.de) or by mail: Prof. Dr. Florian Jeltsch, Universität Potsdam, Maulbeerallee 2, D-14469 Potsdam, Germany.

richspiderwalters@yahoo.co.uk

URichmond EvolutionaryBiology

Field Evolutionary Ecologist UNIVERSITY OF RICHMOND

The Department of Biology invites applications for a tenure-track position at the Assistant Professor level to join a growing department and to strengthen our expertise and course offerings at the interface of ecology and evolution (for more information on the department visit http://biology.richmond.edu). Individuals working with vertebrates, plants, or plant-animal interactions are strongly encouraged to apply. Successful applicants must have a productive field research program that will actively engage undergraduates. Expectations also include highly effective teaching at all levels of the undergraduate curriculum. Applicants should submit: (1) a curriculum vitae, (2) up to three recent publications, (3) separate statements of (a) teaching philosophy and experience and (b) research interests and plans, and (4) 3 letters of recommendation to: Dr. Rafael O. de Sá, Department of Biology, University of Richmond, Richmond, VA 23173. The University of Richmond, a private and primarily undergraduate university, is committed to developing a diverse workforce and student body and to supporting an inclusive campus community. We strongly encourage applications from minorities and women. Review of applications will begin October 17.

Department of Biology: The Gottwald Science Cen-

ter houses the Departments of Biology, Chemistry and Physics in a newly renovated and expanded facilities completed in 2005. Biology graduates approximately 50 seniors each year, many of whom go on to attend the top graduate and medical schools. The department offers courses and research opportunities in the areas of cell and molecular biology, developmental biology, ecology, evolution, genetics, immunology, invertebrate biology, microbiology, neurobiology, and organismal biology. There is also a concentration in Neuroscience, a major in Environmental Studies, and a major in Biochemistry and Molecular Biology. Four Laboratory Directors are responsible for laboratory preparation and teaching of some non-majors biology courses, as well as assist with our introductory biology courses. An electron microscope facility (SEM, TEM, and confocal microscope), animal facility, greenhouse and herbarium, DNA sequencer, and equipment related to computer imaging technology, PCR, digital gel documentation, etc., are available for student and faculty use. In addition, on-campus and off-campus field sites including Westhampton Lake and Westhampton Woods are available for class or personal research projects.

University and Community: The University of Richmond is a private, well-endowed, highly selective liberal arts institution nestled on 350 acres of beautiful rolling woodlands in Richmond, Virginia. The Schools of Arts and Sciences, Business, Continuing Studies, Law, and Leadership Studies enroll a total of nearly 3,300 full-time students. Committed to faculty development, the University offers substantial support in research, travel grants and fellowships for both scholarly and pedagogical projects. The metropolitan Richmond area is known for its outstanding museums, theater, music, beautiful historic neighborhoods and public parks. Several private and public institutions of higher education are located in the Richmond area including Virginia Commonwealth University and the Medical College of Virginia. We are two hours from Washington D.C. and one hour from the University of Virginia in Charlottesville. Richmond is conveniently located to a great diversity of habitats. We are approximately 1.5 hours from Blue Ridge Mountains and the Atlantic Ocean and only one mile from the James River.

mhill2@richmond.edu mhill2@richmond.edu

USForestService GeneticsStatistician

Dear EvolDir'ers

The Genetics Team of the USDA Forest Service, Pacific Northwest Research Station wishes to fill a Statistician position (GS-1530-11; $54,494-$70,843 per year). This is a temporary, TERM position, located at the Forestry Sciences Laboratory in Corvallis, OR. The initial appointment is for 13 months, but may be extended up to four years. The vacancy announcement for this position will open September 23, 2008 and close October 21, 2008. The announcement will be posted at the USAJOBS website (http://www.usajobs.opm.gov), the U.S. Government's official site for jobs and employment information. You can find the specific announcement by typing the announcment number for this position (ADS08-PNW-RMP-0381D) into the keyword search.

Please feel free to distribute this information as widely as possible to any interested parties. If you have specific questions, you can contact either Richard Cronn (rcronn@fs.fed.us; 541-750-7291) or Brad St. Clair (bstclair@fs.fed.us; 541-570-7294) directly.

Thanks - Rich Cronn

Rich Cronn, Research Geneticist US Forest Service, Pacific NW Research Station 3200 SW Jefferson Way, Corvallis, OR 97331 541-750-7291 phone * 541-750-7329 fax * rcronn@fs.fed.us

rcronn@fs.fed.us

USouthernCalifornia EvolutionaryComputationalGenomics

The Molecular & Computational Biology Section of the Department of Biological Sciences in the College of Letters, Arts & Sciences at the University of Southern California invites applications for a tenure-track Assistant Professor in Evolutionary and Computational Genomics. We seek an innovative, productive scientist combining experimental and computational approaches to address basic questions in evolutionary biology. We welcome applicants working in any area of evolutionary biology, and are particularly interested in research exploring the interface between organism and molecular/genomic approaches to study evolutionary processes. The position will be in the Molecular and Computational Biology Section, which is a unique collaborative environment with strong expertise in quantitative model-based acquisition and analyses of molecular biological data. The MCB Program includes an NIH

Center of Excellence in Genome Science with a special emphasis on population genetics and genome-wide association studies.

This position provides opportunity for collaboration within and beyond the Molecular and Computational Biology Section, including with the Neurobiology Section, Marine and Environmental Biology Section and Integrative Biology Program. Strong links to world-class epidemiology and epigenetics research groups on the nearby USC Health Sciences Campus are other important assets. Field studies can be enhanced by Marine Biology facility housed on Catalina Island. The position will provide access to students in multiple graduate programs and a competitive start up package. The University of Southern California has extensive facilities for high performance computing, genomics, proteomics and metabolomics.

Our program has strength in a number of model systems using a variety of approaches, and has undergone a recent expansion, including occupancy of a new research building with modern animal facilities. For additional information please visit our website: http://college.usc.edu/bisc/people/jobsearch.cfm Review of applications will begin immediately. Please send a curriculum vitae, a statement of research objectives, and three letters of recommendation to: msearch@usc.edu or, if necessary, Eleni Yokas, Search Committee, Department of Biological Sciences, RRI201, University of Southern California, Los Angeles, CA 90089-2910.

USC strongly values diversity and is committed to equal opportunity in employment. Women and men, and members of all racial and ethnic groups, are encouraged to apply.

maren.l.friesen@gmail.com

UVirginia EvoDevo

We're currently searching for the position below, which is for a developmental biologist broadly defined. We are serious about considering folks at the evolutionary end of the devo - spectrum, so please pass this along to anyone that might be interested. Please note that early applications give us more time to secure letters and get the process rolling. Thanks Butch

Assistant Professor, Developmental Biologist Department of Biology University of Virginia, Charlottesville, Virginia

The Department of Biology at the University of Virginia invites applications for a tenure track Assistant Professor appointment beginning August 25, 2009. Applications are invited from outstanding individuals studying fundamental aspects of developmental biology at the molecular, cellular, evolutionary, organismal or systems level. The Department of Biology at the University of Virginia (http://www.virginia.edu/biology/) spans a broad range of interests including cell and developmental biology, morphogenesis, neurobiology, biological timing, and evolutionary biology. The successful candidate is expected to establish a vigorous, independent, and externally-funded research program, interact with one or more existing departmental strengths, and contribute to undergraduate and graduate instruction and training in Developmental Biology. A generous start- up package and excellent research facilities are available.

Developmental Biology has been identified by the University of Virginia as a key area for the future. As part of this focus a University wide Morphogenesis and Regenerative Medicine Institute (http://www.morphogenesis.virginia.edu/index.htm) was established that contains a wide group of interactive and energetic investigators. There is also an interschool graduate program in Molecular, Cell and Developmental Biology (http://healthsystem.virginia.edu/internet/bims_cdb).

The successful candidate will have the opportunity to participate in these programs. To apply, please submit a candidate profile, cover letter, Curriculum Vitae, a statement of current and future research interests, a statement of teaching experience and goals, and the contact information for three references through Jobs@UVA (https://jobs.virginia.edu); Posting Number 0602723.

Inquiries about the position may be e-mailed to biosearch@virginia.edu. Review of applications by the search committee will begin November 1, 2008; however, the position will remain open until filled.

Women and members of underrepresented groups are encouraged to apply. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

Butch Brodie Department of Biology Director, Mt Lake Biological Station at MLBS May-mid August: University of Virginia 540-626-5568 P.O. Box 400328 240 Salt Pond Circle Charlottesville, VA 22904-4328 Pembroke, VA 24136-3092

bbrodie@virginia.edu http://mlbs.org/ http://faculty.virginia.edu/brodie/ edb9j@virginia.edu edb9j@virginia.edu

UWisconsinMilwaukee BiomathematicsComputationalMath

UNIVERSITY OF WISCONSIN-MILWAUKEE Department of Mathematical Sciences Milwaukee, WI 53201-0413

The Department of Mathematical Sciences, University of Wisconsin-Milwaukee (UWM), invites applications to fill two faculty positions at the Assistant or Associate Professor level, starting in August 2009. The department is seeking outstanding researchers with research and teaching interests in the broad areas of (1) biomathematics and (2) computational mathematics. Candidates must have, or expect to complete by August 2009, a PhD or equivalent in mathematics, statistics or a closely related field.

Candidates for the biomathematics position with expertise in systems biology, ecological modeling at the population, community or ecosystem levels, disease dynamics, physiology, genomics, biological aspects of climate modeling, computational biology or similar fields, including those with an aquatic focus, are especially welcome. This position and a corresponding position in Biology are part of UWM's ongoing initiative targeting interdisciplinary research, at all levels, among the Mathematical and the Biological Sciences Departments and the UWM Great Lakes WATER Institute.

Members of our computational mathematics group work in numerical partial differential equations, high performance scientific computing, multiscale modeling and analysis, and mathematical biology. Expertise in these fields and experience related to interdisciplinary research are especially desirable attributes of candidates for the computational mathematics position.

Candidates for both positions must have a strong research record and a demonstrated commitment to teaching excellence. Responsibilities include development of a vigorous, collaborative, externally funded research program, teaching two courses per semester, and taking active roles in the undergraduate, Masters and Doctoral programs. A competitive compensation, benefits, and research start-up package is provided.

The Mathematical Sciences Department has a faculty of 37, including pure mathematicians, applied & computational mathematicians, statisticians, and atmospheric scientists. We are engaged in collaborations with many other departments in the natural sciences and engineering, as well as the Great Lakes WATER Institute and the Medical College of Wisconsin. More information can be found by visiting our web page at http://-www.math.uwm.edu/. Information on related research and job opportunities can be found on the Biological Sciences web page http://www.uwm.edu/Dept/-Biology/ and the WATER Institute web page http://-www.glwi.uwm.edu/ . Applications must be completed online. Applicants who wish to apply for both positions must complete the application procedure at both of the URLs given below. Applicants will upload a CV, cover letter, teaching and research statements, and some publications. Please include links to relevant web pages and publications in your cover letter or CV. In addition, applicants must arrange to have three letters of recommendation (at least one should address the candidate's teaching abilities) sent to the Chairperson at adbell@uwm.edu or at Department of Mathematical Sciences, University of Wisconsin-Milwaukee, Milwaukee, WI 53201-0413.

Apply for the biomathematics position at https://-www.jobs.uwm.edu/applicants/Central?quickFind=-50619 Review of applications will start October 17, 2008 and continue until the position is filled.

Apply for the computational mathematics position at https://www.jobs.uwm.edu/applicants/-Central?quickFind=50739 Review of applications will start December 1, 2008 and continue until the position is filled.

UW-Milwaukee is an AA/EEO employer and educator strongly committed to maintaining a climate supporting equality of opportunity and respect for difference. We particularly encourage applications from individuals who would enhance and diversify our workforce.

Gabriella Pinter associate professor Department of Mathematical Sciences University of Wisconsin Milwaukee

Gabriella A Pinter <gapinter@uwm.edu>

UWisconsinMilwaukee ComputationalBiology

The Department of Mathematical Sciences, University of Wisconsin-Milwaukee (UWM), invites applications to fill one faculty position at the assistant (tenure-track) or associate professor level in Mathematical Sciences.

Starting date is August 2009.

The department is seeking an outstanding candidate with a PhD or equivalent in mathematics, statistics or a closely related field, and with research and teaching interests in the broad area of biomathematics. Candidates with expertise in systems biology, ecological modeling at the population, community or ecosystem levels, disease dynamics, physiology, genomics, biological aspects of climate modeling, computational biology or similar fields, including those with an aquatic focus, are especially welcome. The position is one of two (the other being in biology) in UWM's ongoing initiative targeting interdisciplinary research, at all levels, among the Mathematical and the Biological Sciences Departments and the UWM Great Lakes WATER Institute.

Candidates for this position must have a strong research record and a demonstrated commitment to teaching excellence. The appointee is expected to develop a strong externally funded interdisciplinary research program. Responsibilities include teaching two courses per semester and taking active roles in the undergraduate, Masters and Doctoral programs. A competitive compensation, benefits, and research start-up package is provided. Additional information is available at: http://www.math.uwm.edu Applications must be completed through https://www.jobs.uwm.edu/-applicants/Central?quickFind=50619. In addition, applicants must arrange to have three letters of recommendation (at least one should address the candidate's teaching abilities) sent to the Chairperson at adbell@uwm.edu or Department of Mathematical Sciences University of Wisconsin-Milwaukee Milwaukee, WI 53201-0413

Review of applications will start by October 17, 2008 and will continue until the position is filled.

UW-Milwaukee is an AA/EEO employer.

Best Regards, Michael.

Michael J. Carvan III, Ph.D. Phone: (414) 382-1706 Lab: (414) 382-1712 Fax: (414) 382-1705 Email: carvanmj@uwm.edu

Great Lakes WATER Institute University of Wisconsin-Milwaukee 600 E. Greenfield Avenue Milwaukee, Wisconsin 53204

The most exciting phrase to hear in science, the one that heralds new discoveries, is not "Eureka!" ("I have found it!"), but "That's funny..." -Isaac Asimov

The most beautiful thing we can experience is the mysterious. It is the source of all true art and all science. He to whom this emotion is a stranger, who can no longer pause to wonder and stand rapt in awe, is as good as dead; his eyes are closed. - Albert Einstein

"Michael J. Carvan" <carvanmj@uwm.edu>

WashingtonStateU EvoDevo

Evolutionary Developmental Biology Assistant/Associate Professor School of Biological Sciences, College of Sciences Washington State University

The School of Biological Sciences at Washington State University, Pullman, Washington, invites applications for a tenure-track position in Evolutionary Developmental Biology of Animals to begin August 2009 at the Assistant or Associate Professor level. Applicants must show potential for outstanding teaching and developing or maintaining an internationally recognized, extramurally-funded empirical research program in animal evolutionary developmental biology. Candidates should have broad, demonstrated knowledge of animal organismal and evolutionary biology, have interests in collaborative research and training, and complement our faculty's strengths in organismal and evolutionary biology, molecular evolution, population and ecological genetics, systematics, ecology, and physiology. Candidates at the postdoctoral level who are pursuing rigorous, theory-driven empirical research using sophisticated analytical tools are particularly encouraged to apply. Required qualifications include an earned doctorate at time of application, a record of research accomplishment in animal developmental biology, a commitment to teaching excellence in undergraduate and graduate courses and effective communication skills. Successful candidates will be expected to develop and maintain a vigorous, independent research program supported by extramural funding, train graduate and undergraduate students, participate in graduate and undergraduate teaching, and advance the college's commitment to diversity and multiculturalism.

To apply, send a letter of application addressing qualifications, curriculum vitae, teaching and research statements, and names, addresses, and contact information of at least three references. In addition, candidates should arrange for at least three letters of reference that address research potential, teaching and communication skills to be sent directly to the Search Committee. Review of applications begins October 31, 2008. Send all materials electronically (PDF) to:

Evolutionary Developmental Biology Search Committee c/o Linda Larrabee larrabee@wsu.edu Phone: (509)

335-5768

Full notice of vacancy can be viewed at http://www.hrs.wsu.edu/employment/fapvacancies.aspx EEO/AA/ADA For information on the status of your application, please contact Linda Larrabee at (509) 335-5768 or larrabee@wsu.edu.

–

Mark Dybdahl, Assoc Prof School of Biological Sciences PO Box 644236 Washington State University Pullman, WA 99164-4236

Ph: 509-335-7909 FAX: 509-335-3184 www.wsu.edu/~dybdahl/ Mark Dybdahl <dybdahl@wsu.edu>

WesternKentuckyU EvolutionaryBiologist

WESTERN KENTUCKY UNIVERSITY DEPARTMENT OF BIOLOGY EVOLUTIONARY BIOLOGIST

The Department of Biology at Western Kentucky University invites applications for a nine-month, tenure-track appointment as Assistant Professor in Evolutionary Biology. Candidates with expertise in any field of evolutionary biology including population genetics, morphological and molecular evolution, evolution of development and evolution of behavior are encouraged to apply. Ph.D. required, post-doctoral experience preferred. Additional qualifications include ability to teach and mentor undergraduate and graduate students with a high level of effectiveness, excellence in research, commitment to pursuit of extramural funding and willingness to participate in departmental and university service. Teaching responsibilities will include undergraduate and graduate courses in Evolution and other subjects suitable to the successful candidate's area of expertise. The ability to teach introductory biology or biostatistics is desirable, as is a willingness to participate in campus bioinformatics initiatives.

The Department of Biology currently has 24 full-time faculty positions, four full-time instructors and typically employs eight to ten full-time technicians and postdoctoral researchers. Our student body comprises 700+ undergraduates and approximately 60 M.S. students. Potential applicants may discover more about our department at http://bioweb.wku.edu/ . Western Kentucky University is a comprehensive university with a vision to become a "leading American university with international reach," a philosophy embodied by the Department of Biology. Western Kentucky University is committed to the promotion of stewardship and student engagement. WKU is located in Bowling Green, Kentucky. Located 75 miles north of Nashville, Tennessee, Bowling Green is a growing city of 60,000+ in a state noted for its high quality of life, modest cost of living and increasing cultural diversity. With an enrollment of more than 19,000 students in undergraduate and graduate programs, the University has grown 28% in the last ten years and is poised to increase enrollment significantly by 2020.

Interested applicants should submit a cover letter, CV, separate statements of teaching and research interests, up to three representative reprints and three letters of recommendation. Review of applications begins November 7, 2008 and will continue until the position is filled. Preferred start date is August 15, 2009. Application materials may be sent as an email attachment in the form of a single PDF file to evolution.search@wku.edu or mailed to:

Evolutionary Biology Search Western Kentucky University 1906 College Heights Blvd. #11080 Bowling Green, KY 42101-1080 USA

All qualified individuals are encouraged to apply including women, minorities, persons with disabilities and disabled veterans. Western Kentucky University is an Affirmative Action/Equal Opportunity Employer.

Dr. Jeffrey M. Marcus Assistant Professor Department of Biology Western Kentucky University 1906 College Heights Boulevard #11080 Bowling Green KY 42101-1080 USA

Office (270) 745-2043 Lab (270) 745-2288 FAX (270) 745-6856

jeffrey.marcus@wku.edu jeffrey.marcus@wku.edu

WillametteU Speciation

Dear Colleagues,

Willamette University is currently soliciting applications for a tenure-track position in Animal Evolution. Applicants with research interests that complement existing departmental strengths (including speciation research, plant/insect interactions, molecular ecology, evolution, and animal behavior) are particularly en-

couraged to apply.

Below, please find the official job announcement:

Tenure-track Assistant Professor in Animal Evolution

Willamette University's Biology Department welcomes applications for a tenure-track position in animal Evolution at the level of Assistant Professor beginning August 2009.

Candidates must have a PhD, post-doctoral experience and a record of scholarly and teaching accomplishments commensurate with experience. Areas of interest include but are not limited to sensory biology, neuroendocrinology, and ecophysiology. Candidates with some experience with scanning electron and/or confocal microscopy are encouraged to apply. The successful candidate will be expected to establish an externally funded undergraduate research program and preference will be given to candidates whose research complements existing faculty research interests.

Commitment to excellent undergraduate teaching and experience working with students from diverse ethnic and cultural backgrounds is essential. Teaching duties include an introductory physiology course, an upper division research oriented course in animal physiology, general biology and participation in the general education program. Research start-up funds will be made available. To learn more about the department, faculty, staff and students visit www.willamette.edu/cla/biology.

About Willamette: Willamette University, founded in 1842, is the first university in the West. It is an independent, coeducational institution comprised of the College of Liberal Arts, the College of Law, the Atkinson Graduate School of Management, and the School of Education. Willamette is in Salem, the capital city of Oregon, one hour from Portland, the Pacific Ocean, and the Cascade Mountains. For more information please visit www.willamette.edu . How to Apply:

Applicants should submit the following materials electronically (as Word or PDF attachments, pdf recommended) to an-phys@willamette.edu:

Cover letter describing the candidate's interest in the position Curriculum Vitae Research statement (research plans including undergraduate participation and potential collaboration with existing faculty) Teaching statement (courses of interest, experience with and approach to teaching including methods, curricular perspectives and any experience with diverse student populations, and academic experiences and interests in culturally and ethnically diverse groups. Three (3) reference letters that address both research and teaching potential.

Inquires may be addressed to:

Dr. David Craig, Search Chair

Department of Biology

Willamette University

900 State St.

Salem, OR 97301

dpcraig@willamette.edu

Application Deadline: For full consideration, applications should be received by October 15, 2008. Review will continue until the position is filled.

Willamette University also appreciates the completion of our Applicant Information form, which assists us in the evaluation of our recruitment efforts, which will remain in confidential files in the Human Resources Office. You may download the form at www.willamette.edu/go/jobs and submit it electronically to Human Resources at humanresources@willamette.edu.

Believing that diversity contributes to academic excellence and to rich and rewarding communities, Willamette University is committed to recruiting and retaining a diverse faculty, staff and student body. We seek candidates, particularly those from historically under- represented groups, whose work furthers diversity and who bring to campus varied experiences, perspectives and backgrounds.

Christopher Irwin Smith Assistant Professor Department of Biology Willamette University Salem, OR 97301 ph: 503-370-6181 fax: 503-375-5425

email: csmith@willamette.edu csmith@uidaho.edu chris_smith@post.harvard.edu

http://www.willamette.edu/~csmith/ChrisSmith.htm csmith@willamette.edu csmith@willamette.edu

WoodsHole MolecularEvolution

~ Faculty Positions in Ecological Genomics and Molecular Evolution ~

The Josephine Bay Paul Center for Comparative Molecular Biology and Evolution at the Marine Biological Laboratory, Woods Hole, invites applications for Assistant, Associate and Senior Scientists in the areas of evolutionary biology, comparative genomics, and molecu-

lar microbial ecology. Candidates who employ a combination of theoretical, computational, and experimental approaches to understand evolutionary and ecological processes are encouraged to apply.

The successful candidates will establish productive research programs in a highly collaborative environment with opportunities to interact with other MBL centers and Woods Hole initiatives, and will have the opportunity to join the faculty of the MBL/Brown graduate program. The Bay Paul Center (http://jbpc.mbl.edu/-) and the Marine Biological Laboratory have considerable strengths in molecular evolution, functional genomics, microbial diversity and ecology, and advanced imaging. The Center maintains state-of-the-art facilities for high-throughput molecular and computational analysis. As part of our expansion at the Bay Paul Center we offer competitive start-up and salary packages.

Applicants must hold a Ph.D. in Biology or a related field, and have a strong record of scientific publication and ability to attract extramural funding. Initial review of applications will begin immediately and continue until appropriate candidates are identified. For fullest consideration, please apply by November 1, 2008. Applicants should submit curriculum vitae, statement of research interests and list of five references.

Please submit materials through the MBL jobs site: http://mbl.simplehire.com/ >> click "Scientist" >> "Assistant/ Associate/ Senior Scientist, Ecological Genomics and Molecular Evolution"

Marian Padenski Human Resources Assistant Marine Biological Laboratory 7 MBL St. Woods Hole, MA 02543 phone: 508.289.7422 mpadenski@mbl.edu

Human Resources <humanres@mbl.edu>

WorcesterMA Tech ComparativeAnatomy

College of the Holy Cross Research Technician - Biology

About College of the Holy Cross: The College of the Holy Cross was founded in 1843 by the Society of Jesus (Jesuits) in Worcester, Massachusetts. The College is a highly selective, four year, undergraduate, liberal arts institution and is ranked among the nation's leading four year liberal arts colleges.

Job Description:

3D laser scanning and morphometric analysis of the avian skeleton.

This is a National Science Foundation funded position is available in the Claessens Lab in the Department of Biology at the College of the Holy Cross, Worcester, MA. The Claessens Lab explores the relationship between skeletal form and function in extant and extinct birds, as well as other closely related groups of archosaurs (http://college.holycross.edu/-faculty/lclaesse/). We seek an enthusiastic individual to supervise and partake in our NSF funded scanning effort to create an online database of avian skeletal anatomy through specific research projects on skeletal function and evolution. The successful candidate should be highly motivated, organized, possess good interpersonal skills, and should have affinity with computers and biological research. Direct involvement in research and publication is highly encouraged.

Job responsibilities:

Run and maintain our two laser scanners and associated workstations, generate 3D scans, train and supervise undergraduate students in the use of 3D scanning equipment. Occasional local travel to source skeletal collections at the Harvard Museum of Comparative Zoology and the Yale Peabody Museum of Natural History, as well as occasional trips to other skeletal collections for on-site scanning. Direct involvement in database growth and scientific research. In-depth knowledge of our 3D scanning equipment and software (e.g. Rapidform, Wirefusion) not required (training will be provided in the lab), but interest in, and affinity with these techniques is a must.

Requirements:

A Bachelor's degree in Biology, Computer Sciences, or a related field, and a keen interest in biological research and imaging. Excellent computer skills.

Review of applications will begin immediately and continue until the position is filled. Inquiries about the position are welcome and can be directed to Prof. Leon Claessens (lclaesse@holycross.edu). To apply, submit a cover letter, transcripts, CV, complete contact information for 3 references: Assistant Directory/Employment, College of the Holy Cross, One College Street, Worcester, MA 01610. FAX 508-793-3575.

This is a full-time, temporary, 3 year grant funded position.

Additional Information: This is a full-time, exempt position.

The College is an Equal Employment Opportunity Employer and complies with all Federal and Massachusetts laws concerning Equal Opportunity and Affirmative

Action in the workplace.

A member of the Colleges of Worcester Consortium.

http://www.interviewexchange.com/-jobofferdetails.jsp?JOBID=3D11457

lclaesse@holycross.edu lclaesse@holycross.edu

Other

Agarose gel stains

Hello:

I have recently started a new lab and would like to explore less toxic alternatives to Ethidium Bromide staining of agarose gels. Although I am aware of SYBRSafe, I have not used it. Also, I have heard about dyes like Crystal VU (methyl violet stain from Genlantis) that do not require UV to visualize, but I think sensitivity suffers. Thus, I would like to poll the EvolDir community for their experiences and recommendations.

Certainly, any chemical that binds to DNA should be handled with caution, but I am hoping to reduce toxicity and minimize accumulation of hazardous waste. Cost and sensitivity are of concern, although for the most part I am just 'checking' genomic DNA, PCR products, etc. Additionally, it would be convenient if the solution could be incorporated directly into the agarose gel (no post-staining). Also, I typically use SB (sodium borate) buffer for agarose gels (a switch from TBE or TAE that I highly recommend - lower cost, equally effective, and not exothermic like tris-based buffers so you can run gels faster - but that's a story for another day). Has anyone tried these stains with SB buffer?

I also would be interested to know what gel documentation systems (homemade or commercial) people are using to visualize these gels. Any that come highly recommended (or that I should run away from)?

I appreciate your candid comments and will of course compile and post responses.

Thanks, Emily

Emily K. Latch Assistant Professor Dept. of Biological Sciences University of Wisconsin - Milwaukee 3209 N. Maryland Ave. Milwaukee, WI 53211 USA

Email: latch@uwm.edu Email: latch@uwm.edu

Binary ancestral states

Greetings,

I am currently in search of a software that can read binary data (each row representing a species, each column representing presence(1)/absence(0) of a feature across all species) and reconstructs the ancestral state, based on an evolutionary tree, for each column using a Maximum Likelihood algorithm.

I have looked at Mesquite, but the performance concerns me a little as the file is very large (10k columns...). Something like Phylip's Dolly Parsimony program, just ML based, would be great.

Any suggestions would be greatly appreciated!

With kind regards,

Marc

–

Marc P. Hoeppner PhD student Department of Molecular Biology and Functional Genomics Stockholm University, 10691 Stockholm, Sweden

marc.hoeppner@molbio.su.se Tel: +46 (0)8 - 164195

Marc Hoeppner <marc.hoeppner@molbio.su.se>

Bottleneck simulations

Hi, I am interested in the detection of population expansion/decline using microsatellite data and full likelihood statistical approach. I am familiar with Beaumont's methods (i.e. MSVAR) but as far as I can tell this method only considers one change on population size from n0 (effective population size before population's size change) to n1(current effective population size) . Are there any methods available to model a population decline (bottleneck) followed by a rapid expansion? I can imagine modelling something like [no to n1 (-negative log(r)-) + n1-to n2 (-positive log(r)-). Is that possible? I am not sure if the genetic signature of the expansion erases the one of decline. If so, can I distinguish between population expansion after a bottleneck or population expansion without a previous significant reduction in population size?

Thanks in advance,

Ibn Yosef (Homo_paramiensis@hotmail.com)

Homo antecessor <homo_paramiensis@hotmail.com>

Creationism and ProjectSteve

NCSE and The Panda's Thumb are recruiting scientists named Steve, or Stephanie, or Stephen, or Esteban, et al. to join Project Steve, a tongue-in-cheek response to creationists. All members of Project Steve agree with the following statement:

> Evolution is a vital, well-supported, unifying principle of the > biological sciences, and the scientific evidence is overwhelmingly in > favor of the idea that all living things share a common ancestry. > Although there are legitimate debates about the patterns and > processes of evolution, there is no serious scientific doubt that > evolution occurred or that natural selection is a major mechanism in > its occurrence. It is scientifically inappropriate and pedagogically > irresponsible for creationist pseudoscience, including but not > limited to "intelligent design," to be introduced into the science > curricula of our nations public schools.

But you can only sign it if you have a doctorate and are named "Steve" or some variation thereof. At last count they had 895 members and are pushing to cross 900 so they can make new t-shirts that say "more than 900 Steves support evolution". So please pass this message to any scientists or academics that you know named "Steve" (et al.) and urge them to join up.

For more information including links please see the following url:

http://pandasthumb.org/archives/2008/09/dr-900.html –

Reed A. Cartwright, PhD http://scit.us/ Postdoctoral Researcher http://www.dererumnatura.us/ Department of Genetics http://www.pandasthumb.org/ Bioinformatics Research Center North Carolina State University Campus Box 7566 Raleigh, NC 27695-7566

racartwr@ncsu.edu racartwr@ncsu.edu

Fish phylogeny genes

Hello,

I am a new PhD student working on Poeciliids. I am looking for advice on nuclear genes to use for a phylogeny of Xiphophorus. The problem with genes such as RAG-1 is that withing the genus Xiphophorus there is hybridization and many of the species are closely related, thus genes like RAG-1 do not provide a very good resolution.

I recently read a paper describing 10 new genes for fish phylogeny (Li et al. 2007 Evolutionary Biology) - has anybody tested these and had success?

Any advice would be greatly appreciated!

Thank you Jody

– Jody Shields PhD Candidate

LS Evolutionary Biology Dept. of Biology University of Konstanz D-78457 Konstanz Germany

phone: +49 (0) 7531 88 4665 (from abroad, no (0)) fax: +49 (0) 7531 88 3018 e-mail: Jody.Shields@uni-konstanz.de website: http://-www.evolutionsbiologie.uni-konstanz.de/~jody/ Jody Shields <Jody.Shields@uni-konstanz.de>

Gene for Isopod Phylogeny

I am looking for a third gene as a phylogenetic marker in Isopods. I have allready done COI and 16S, and now I am looking for a nuclear marker. I study Isopods among species. any suggestions? PS: I have allready tried ITS1, 5.8S and ITS2 but there where many many problems with this gene.

Stefanos Martimianakis PhD Student University of Patras, Greece Dep. of Biology Sect. of Genetics Email: stmartim@upatras.gr

stmartim@upatras.gr

Gene Progiler RFLPscan licence

We would like to know if somedy is willing to re-sell us a full licence of RFLP-scan software including the physical key. We already attempted to buy this licence but it seems that this program/version (which we are familiarized with) is no longer being commercialized.

Please, answers to fcunha@itqb.unl.pt or carocha@itqb.unl.pt

Thank you very much

Victor Carocha Raiz - Laboratorio de Análise Genómica ITQB II, Av. Republica, Apartado 127 2781-901 Oeiras, Portugal Email: carocha@itqb.unl.pt http://www.raiz-iifp.pt carocha@itqb.unl.pt

Gnotobiotic frogs

Hi,

I'm a PhD student planning to investigate and model the evolutionary dynamics of microbes in frog/tadpole guts. I was just wondering if anyone has had any success in creating gnotobiotic frogs or tadpoles. Any information on whether this is even possible/plausible would be of great use.

Cheers, Chinmay

cgkanchi@gmail.com

Install GARLI Linux

Dear Members,

Has anyone installed Garli (version 0.96b8) (Genetic Algorithm for Rapid Likelihood Inference) and ncl (Nexus Class Library) under ubuntu (or any kind of) linux OSs? I tried it following the instructions of the intall files of these two but when I tried to start Garli it always failed with this error message: "error while

loading shared libraries: libncl-2.1.04.so: cannot open shared object file: No such file or directory" But this file exists at this directory: /home/myusername/ncl-2.1.04/lib/ncl.

Have somebody got any suggestion?

Thanks,

– Ari, Eszter Scientific research associate ELTE eScience RET, Department of Genetics 1/C Pazmany Peter stny., Budapest, Hungary, H-1117 e-mail: arieszter@gmail.com tel: +3612090555/8691; fax: +3613722641

arieszter@gmail.com

IntragenomicVariation DataAnalysis

We would like to compare the variation of a genetic marker between individuals, and between different populations. However, this is a multi-copy nuclear marker (from the rDNA cistron) which shows some level of intragenomic variation (SNPs). This variation can be observed when the PCR product from the same individual is cloned and several clones are sequenced.

Is there some standard way how to design a data collection (sequencing, cloning, potential analysis of multiple clones from the same individual...) to be able to evaluate the among-individual or population variation properly, taking into account for the possible intragenomic variation?

Thank you, Justyna Wolinska

– Justyna Wolinska Ludwig-Maximilians-Universität, München Department Biologie II Evolutionsökologie Grosshaderner Str. 2 82152 Planegg-Martinsried, Germany

email: wolinska@bio.lmu.de http://-www.biologie.uni-muenchen.de/ou/ecology/-evol_e/people_wolinska_e.html Justyna Wolinska <wolinska@bio.lmu.de>

IntragenomicVariation DataAnalysis answers

Dear Evoldir Members, Thank you for your response to my question about the intragenomic variation (multi-copy nuclear marker): how to deal with that when we want to to evaluate the among-individual or population variation. See the answers below.

Best regards, Justyna Wolinska

>From Richard Nichols: You might wish to consider the pyrosequencing approach that we implemented to look at the frequency of rDNA variants within individuals, between individuals and between populations. It is published in Keller, Veltsos & Nichols 2008. THE FREQUENCY OF rDNA VARIANTS WITHIN INDIVIDUALS PROVIDES EVIDENCE OF POPULATION HISTORY AND GENE FLOW ACROSS A GRASSHOPPER HYBRID ZONE. Evolution, 62:833-844 http://www3.interscience.wiley.com/journal/-120084325/abstract?CRETRY=1&SRETRY=0

>From Magdalena Zarowiecki: Your first problem is to find out how much intra-genomic variation there really is. If you are cloning, it is well-known that you will introduce a much higher mutation rate, so the intra-genomic variation you see is most likely just cloning-error. When I sequence ITS2 from PCR products, I sometimes find variation within individuals, but in this case there are clear double-peaks in the sequence chromatograms, and there is only a small number of polymorphic sites. If you do cloning you shouldn't find any variation in cloned products that you don't find when you sequence PCR product from the same individual. If you do, it is cloning-error. If you can map your SNPs by sequencing a subset, you can always just do PCRs followed by restriction enzyme digestion to score variation within individuals for your bulk sample. To evaluate among-individual and population variation you should do an hierarchical AMOVA, as in Arlequin for example.

>From Gert Woerheide: a few years ago we have done similar things with sponges, which have been published in MPE in 2004. Wörheide, G., Nichols, S., & Goldberg, J. (2004). Intragenomic variation of the rDNA internal transcribed spacers in sponges (Phylum Porifera): implications for phylogenetic studies. Molecular Phylogenetics and Evolution, 33(3), 816-830.

>From Nathaniel Jue: We have found some significant error rates in data when using a general Taq instead of one with a proofreader. Errors came from both PCR reactions and the processing of clones, if you haven't checked that out, it might help you out with repeatability issues.

– Justyna Wolinska Ludwig-Maximilians-Universität, München Department Biologie II Evolutionsökologie Grosshaderner Str. 2 82152 Planegg-Martinsried, Ger-

many

Phone: +49 (0)89 2180 74201 Fax: +49 (0)89 2180 74204 email: wolinska@bio.lmu.de http://www.biologie.uni-muenchen.de/ou/ecology/evol_e/people_wolinska_e.html Justyna Wolinska <wolinska@bio.lmu.de>

Mallard samples

Dear all,

for my PhD project I need to blood collect samples from mallard ducks (Anas platyrhynchos). The scope of sampling should also involve the British Isles. Therefore I am searching for direct contact to mallard hunters who are willing to discuss with me the possibility of helping me in any respect with this. One from somewhere in Ireland, one from (roughly) the northern half of Britain, and the last from (roughly) the southern half. I would like to get into contact because I am interested in blood samples from there. We will be going with the hunters to the places where they hunt and ourselves will do all the work (which is not much, maybe 3-5 minutes per shot mallard). We just need to know when and where to go, and maybe a little help with transport from a train station or bus stop or so. But I will discuss these details with the hunters directly when they are interested.

You might be a hunter yourself or know somebody personally who might connect me further. Any hint is welcome.

Thanks in advance,

Cheers,

Robert

Robert H. Kraus PhD student Wageningen University Resource Ecology Group Droevendaalsesteeg 3a 'Lumen' Building, Number 100 6708 PB Wageningen The Netherlands

Phone +31 317 4 83530/83944 Fax +31 317 419000 Email robert.kraus@wur.nl

http://www.reg.wur.nl/UK/Staff/Kraus/

robert.kraus@wur.nl

Micros Excel Toolkit

Hi, I'm wondering if any knows how to reach Stephen Parks, the author of Microsatellite Toolkit, the excel add-in that facilitates construction of msat input files (among other things). All links point to the animal genomics group at University College, Dublin, but apparently that group is no longer reachable online (all links time-out). Perhaps someone has the add-in file lying around their computer somewhere and could send that along to me? It was a great little program and I'm sorry to have lost it when I switched to a new computer.

Any help would be much appreciated!

Best, Sacha

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Sacha Vignieri, PhD

Department of Organismic and Evolutionary Biology Harvard University Museum of Comparative Zoology 26 Oxford St., Cambridge, MA 02138 617-495-3405

and

Section of Ecology, Behavior, and Evolution Division of Biological Sciences University of California, San Diego La Jolla, CA 92093

svignieri@oeb.harvard.edu

Sacha Vignieri <svignieri@oeb.harvard.edu>

Pipetting automation

Hello everybody, We are planning to purchase pipetting automation to increase our sample throughput and maintain good sample quality. Our needs include automated DNA extraction (from tissue), automated PCR set-up, and liquid handling (from tube to plate, from 96-well to 385-well).

We have been looking at Corbett's X-tractor for the Nucleic acid extraction. For liquid handling and PCR set up have been looking at Corbett's CAS-series and also Beckman Coulter's Biomek FX, which apparently could handle all the above mentioned tasks (with ap-

propriate ALPs). Therma Scientific sells Matrix Hydra II for automated pipetting and other systems too.

We would greatly appreciate any comments on end-user experience about these or any other automated systems in this field. Especially interesting would be to have information on actual walk-away time, cost effectiveness, frustration barometer, etc. Thanks in advance!

– Ville Aukee Laboratory Manager TEGlab - Center of Evolutionary Applications Department of Biology Vesilinnantie 5 20014 University of Turku FINLAND

tel. +358 2 333 7083 ville.aukee@utu.fi http://sci.utu.fi/biologia/tutkimus/projektit/-genfys/PnP/Index.html http://www.sci.utu.fi/-biologia/TEGlab.html meri.lindqvist@utu.fi meri.lindqvist@utu.fi

Portugal VolFieldAssist OtterBehaviouralEvolution

I,m seeking enthusiastic undergraduates and recent college graduates who are interested in collaborate, as volunteer or carrying out their Master or Final Degree Thesis, in a field research on the European Otter (Lutra lutra) in Portugal. The overall objective of my research program is to study the behavioural ecology of the otters. More in detail, Iâm trying to understand the relationships between the use of space of this species and the availability and dispersion of the resources, namely freshwater and food. This could be of particular interest in an ecosystem, like the Portuguese one, which is strongly influenced by summer droughts and heavily altered by humans (by creating many reservoirs).

I'm carrying out a PhD of the University of Rome (Italy) with Prof Luigi Boitani (http://-dipbau.bio.uniroma1.it/web/Docenti/Docente364/-index.htm) as advisor, and Iâm collaborating with the Prof AntÏnio Mira, the head of the Conservation Biology Unit of the University of Ãvora (http:/-/www.ubc.uevora.pt/).=0AThe field work started at the end of June 2007, at present we caught 19 otters (including escapes and recaptures), marked and followed 10 of them (of which 2 died), and many others will be hopefully caught and followed soon.

Successful applicants will assist with fieldwork (consisting of trapping sessions, radiotracking, prey sampling and collection of environmental data) in our Study Area (Alentejo, South of Portugal), and with data entry. In addition, they could develop their own individual research projects on a topic related to the program and their own interests, with the opportunity to carry out their Final Degree/Master Thesis, and, if particularly motivated, to be involved in the publications. Please notice that the position is unpaied. This means that successful applicants should provide by theirself for the logistic (accommodations and living expenses), with the only luck that here the cost of life it is not prohibitive. Strong motivation to work in extreme environmental conditions, during both nights (mainly) and days; English/Italian/Portuguese speaking skills and a valid European Driverâs license are required. Class background in animal ecology, zoology, statistics, and experience in radiotelemetry techniques would be an advantage. Competent, enthusiastic, and emotionally mature people desired! Students could apply starting from now and until February 2009, starting to work as soon as they could or as will be planned together with me.

For more information, contact Lorenzo Quaglietta (PhD student): lorenzo.quaglietta@uniroma1

Lorenzo Quaglietta PhD candidate Department of Animal and Human Biology University of Rome La Sapienza Viale dell'UniversitÃ, 32 00185, Roma, Italy (0039) 06-49914763 phone (0039) 06-49914763 fax lorenzo.quaglietta@uniroma1.it

giaguarenzo@yahoo.it

qPCR data analysis software

Dear EVOLDIR members,

we are currently performing a study on gene expression response in environmentally impacted fish populations. To analyse later on results and perform some advanced statistical analysis, we are considering bying a qPCR analtysis software (for relative quantification mainly) to enable us to do clustering (for catagories), multivariate and regression analyses with other environmental data (we do not have the relative quantification module of ABI).

We would like to know of people that have used GenEx (MultID)or qBASE (Gazelle) what they would suggest (or other softwares I don't know of). I tested GenEx and it seemed perfect for our purposes, but I would like to know if there are major problems I might have overlooked.

I would be happy to receive any relevant input.

Thanks a lot in advance !

sincerely,

Gregory

–

Gregory Maes, Ph.D. Katholieke Universiteit Leuven Laboratory of Animal Diversity and Systematics Fish Genetics Group Ch. de Beriotstraat, 32 B-3000 Leuven Belgium Phone: +32 16 32 39 66 (secretariat) or +32 16 32 42 96 Fax: +32 16 32 45 75 E-mail: gregory.maes@bio.kuleuven.be website: http://bio.kuleuven.be/de/dev/index.php Disclaimer: http://www.kuleuven.be/cwis/email_disclaimer.htm
gregory.maes@bio.kuleuven.be

RNAEasyMicroMini ShelfLife

Dear Evoldir members,

Does anyone have any experience successfully using the Qiagen RNEasy Mini or Micro kits past the 9-month suggested "use-by" date? Likewise, has anyone had problems using them after 9-months? We have a few kits that have been properly stored for a little over one year. One of them also had ethanol added to the reagent mix for most of that time.

Many thanks! Jennifer Neuwald

Jennifer L. Neuwald, Ph.D. Department of Ecology, Evolution, and Organismal Biology Iowa State University Ames, IA 50011 (515) 294-7499 jneuwald@iastate.edu

jneuwald@iastate.edu jneuwald@iastate.edu

Sagittaria samples

Dear EvolDir members,

I am currently seeking any Sagittaria spp. samples you may be able to collect as herbarium specimens, i.e. as whole plants from natural populations with a georeferenced location, dried flat and identified to species level. The whole plants as herbarium specimens or extracted nDNA from these would be most welcome. Leaves dried on silica gel would also be appreciated. In particular, I am interested to hear about the distribution of S. platyphylla in your region as I am studying its invasive pathways in Australian waterways.

I can forward the relevant Australian import permit to accompany samples in the post.

Many thanks Caroline

Postdoctoral fellow Murray-Darling Waterways Restoration CSIRO Plant Industry GPO Box 1600, Canberra ACT 2601, Australia

caroline.chong@csiro.au yfcaroline@gmail.com

Caroline.Chong@csiro.au

Shallow phylogeny nuclear genes

Dear EvolDir-members,

Can anybody give me a hint, what kind of nuclear genes are usable for the inference of very shallow level phylogenetic relationships (i.e. on the level of very closely related species, split sometimes in the mid-Pleistocene) among invertebrates (more specifically, among molluscs)?

thanks and best wishes

Zoltan

— Zoltán Fehér PhD Hungarian Natural History Museum Department of Zoology H-1088 Baross u. 13. Budapest, HUNGARY feher#nhmus.hu, feher.zoltan#iif.hu

Feher Zoltan <feher@nhmus.hu>

Software FastTree 1 0

We announce the release of FastTree 1.0, a tool for inferring minimum evolution trees from large alignments. FastTree is slightly more accurate than other minimum-evolution methods such as neighbor joining, BIONJ or FastME, and is up to 10,000 times faster. For example, FastTree inferred a phylogeny for an alignment of 39,092 proteins, including support values, in half an hour on a desktop PC.

New features in this version of FastTree:

Nearest-neighbor interchanges – After inferring an initial topology with a heuristic variant of neighbor joining, FastTree refines the topology with nearest-neighbor interchanges according to the minimum-evolution criterion.

Local bootstrap – FastTree uses the local bootstrap to quickly estimate the reliability of each split.

Log-corrected distances – For nucleotide sequences, FastTree uses Jukes-Cantor distances. For protein sequences, FastTree uses log-corrected distances based on the BLOSUM45 amino acid similarity matrix.

FastTree is available at http://-www.microbesonline.org/fasttree and a manuscript describing it is available at http:/-/www.microbesonline.org/fasttree/FastTree-NNI-preprint.pdf Morgan N. Price & Paramvir S. Dehal Physical Biosciences Division Lawrence Berkeley National Lab fasttree@microbesonline.org

morgannprice@yahoo.com

Software OrthoMaM version 4 update

Dear Evoldir members,

During the summer, we have released OrthoMaM version 4: a major update of our database of mammalian orthologous single-copy nuclear exons.

It can be queried at:

http://www.orthomam.univ-montp2.fr/ The new version 4 is based on EnsEMBL release v49 and now includes 6,116 exons and 12,484 CDS candidate markers for 25 taxa.

Major changes from the previous version include:

* Requests on 25 taxa (based on EnsEMBL v49 March 2008) with the new inclusion of Equus (horse) and Pongo (Orangutan) ;

* Inclusion of both complete CDS and individual exon data ;

* Query results can now be click-sorted according to descriptors and downloaded as .zip archives ;

* The average responsiveness of the web server has been significantly improved.

Details:

OrthoMaM version 4 (www.orthomam.univ-montp2.fr) is a major update of the database of orthologous mammalian markers. Primarily based on EnsEMBL version 49 annotation and orthology assignment, OrthoMaM v4 includes 6,116 single-copy orthologous exons of length > 400 base pairs from the 25 complete mammalian genomes currently available. This set of 1:1 orthologous exons can be searched for potential phylogenetically informative markers at different taxonomic levels of the mammalian tree by querying a number of evolutionary descriptors that have been inferred using a dedicated bioinformatic pipeline. Moreover, OrthoMaM v4 provides the complete set of 1:1 orthologous coding sequences (12,484 CDS) for this 25 mammalian species with the corresponding multiple sequence alignments made available for download both at the nucleotide and amino acid levels. The improved graphical interface allows the user to browse and download the results of combined queries with more flexibility.

The article describing the database is freely available from BMC Evolutionary Biology:

http://www.biomedcentral.com/1471-2148/7/241 OrthoMaM: A database of orthologous genomic markers for placental mammal phylogenetics Vincent Ranwez, Frederic Delsuc, Sylvie Ranwez, Khalid Belkhir, Marie-Ka Tilak and Emmanuel JP Douzery BMC Evolutionary Biology 2007, 7:241 (doi:10.1186/1471-2148-7-241)

We hope this will be of use to members of the community.

Frederic Delsuc and co-authors

–

Frédéric DELSUC (Chargé de Recherches CNRS) Laboratoire de Paléontologie, Phylogénie et Paléobiologie CC064 Institut des Sciences de l'Evolution UMR5554-CNRS Université Montpellier II Place Eugène Bataillon 34095 Montpellier Cedex 05 France Tel: (+33) 4 67 14 39 64 FAX: (+33) 4 67 14 36 10 Email: Frederic.Delsuc@univ-montp2.fr Webpage: http://-frederic.delsuc.neuf.fr

UEastAnglia Volunteer AvianParasites

At UEA we are undertaking an evolutionary ecology based project investigating the role of parasites in maintaining genetic diversity in birds across the Canary, Selvagens and Madeiran archipelagos.

A keen, hardworking and enthusiastic field assistant is required for to help carry out fieldwork for ca. 3 months from approximately the 5th of January 2009. The person will assist a PhD student with catching and ringing of birds across these beautiful islands. This project will focus largely on the Berthelot's pipit. Experience in bird ringing and general fieldwork is preferable, as is a driving licence. The ability to speak Spanish would be a bonus. Flight and accommodation costs will be covered.

Please contact L.Spurgin@uea.ac.uk for further details and informal enquiries

Applications (letter of motivation, name and email addresses of two references, and your CV) should be sent via email to david.richardson@uea.ac.uk by the 10th of October

Dr. David S. Richardson School of Biological Sciences, University of East Anglia, Norwich NR4 7TJ England

http://biobis.bio.uea.ac.uk/biosql/fac_show.aspx?ID=325 email david.richardson@uea.ac.uk Telephone 01603 591496 FAX 01603 592250

"Richardson David Dr (BIO)" <David.Richardson@uea.ac.uk>

PostDocs

BrighamYoungU 2 ComparativePhylogeography

TWO POSTDOCTORAL POSITIONS AVAILABLE U.S. National Science Foundation Partnerships for International Research and Education (PIRE) Patagonia Biodiversity Project http://patagonia.byu.edu The NSF PIRE project administered at Brigham Young University is seeking two postdoctoral scientists to join our research and education team. The successful candidates will be involved in the development and application of methods in comparative phylogeography, targeted specifically at understanding patterns of evolutionary diversification across multiple co-distributed taxa in southern Argentina and Chile. The postdoctoral positions will be housed at Brigham Young Uni-

versity in Provo, Utah. However, opportunities exist for interaction with our PIRE team scientists in the U.S., Canada, Argentina, and Chile (see our web site for a list of team members). Applicants should be familiar with molecular laboratory techniques required to generate DNA sequence data, and should be comfortable with a broad range of phylogeographic analyses. Although there are no requirements for experience with particular taxonomic groups, our team is currently focused on freshwater fishes, freshwater crabs, lizards, frogs, and terrestrial plants. Opportunities also exist to participate in mentoring graduate students and undergraduate students involved in our educational exchange program. The positions are open to U.S. and international applicants. We will begin reviewing applications on November 1, 2008 and the search will remain open until both positions are filled. Salary is $36,000 per year and the positions include health insurance. Each position will be for up to two years, with the second year of funding conditional upon performance. Interested candidates should direct their inquiries to: Jerald B. Johnson, Director, Patagonia PIRE Project, Department of Biology, Brigham Young University (jerry.johnson@byu.edu); a list of project co-PIs and senior personnel, and a description of their research interests, can be found on our web site. Applications should include a cover letter, a c.v., and a list of three references. Individuals that make our first cut will be invited to solicit and send recommendation letters. Formal applications should be submitted to: 401 WIDB, Department of Biology, BYU, Provo, UT 84602 by conventional mail; or electronically to PIREpostdocs@byu.edu. A condition of employment at Brigham Young University is a willingness to abide by the BYU Honor Code of conduct (http://honorcode.byu.edu).

"Jerald B. Johnson" <jerry.johnson@byu.edu>

BrownU Cis-regulatoryGenomics

We have developed a high throughput means of elucidating the cis regulatory circuitry of promoters and alternatively spliced transcripts. Its basically a high throughput binding assay which locates binding sites either anonymously (like DNAse/RNAse footprinting) or specifically by co-Iping the ligand with it binding partner.

We would like to ask all sorts of questions about how these sites evolve. If you are interested in doing a postdoc using this technology. Please send me an email.

MORE info:

http://fairbrother.biomed.brown.edu/research.php
Cheers

Will

William_Fairbrother@brown.edu

Caltech Synthetic Selfish Genetic Elements

CALTECH: Selfish genetic elements, insects, population modification

ENGINEERING THE GENETICS OF WILD INSECT POPULATIONS WITH SYNTHETIC SELFISH GENETIC ELEMENTS Mosquitoes are essential vectors for major human diseases such as dengue, yellow fever and malaria. An attractive approach to suppressing these diseases involves replacing the wild insect population with modified counterparts unable to transmit disease (population replacement). An essential component of such a strategy involves the use of a genetic drive mechanism able to promote the spread of genes conferring disease resistance, even if their presence results in a fitness cost to carriers. We have developed a synthetic selfish genetic element (Medea) that is able to drive population replacement in Drosophila (Chen et al., (2007) A synthetic maternal-effect selfish genetic element drives population replacement in Drosophila. Science. 316: 597-600).

Postdoctoral positions are available to develop and characterize Medea elements in mosquitoes and other organisms at the molecular, genetic andpopulation levels. We are also interested in the development of novel selfish genetic elements able to bring about local population elimination, and in methods for engineering reproductive isolation. Population genetic engineering is an exciting new research area with many opportunities. Postdoctoral candidates should hold recent Ph.D. and/or M.D. degrees.

Postdoctoral positions are also available to study the basic biology of microRNAs, cell death and spermatogenesis in Drosophila and mosquitoes.

We (http://www.its.caltech.edu/~haylab/) are an energetic and well- funded team with modern lab space located in sunny Pasadena. We seek to expand our group with the addition of highly motivated candidates with

experience in molecular and population genetics, cell biology, developmental biology and modeling. Close interactions with other labs at Caltech and in the Southern California area (UCLA, UC Irvine, UC Riverside) make the environment collegial and stimulating.

TO APPLY: SEND TO BRUCE HAY 1) A 1-2 PAGE DESCRIPTION DESCRIBING RESEARCH BACKGROUND AND INTERESTS, 2) A CV, AND 3) NAMES OF 3-4 REFERENCES (ALL FILES AS PDFS). THE POSITIONS WILL REMAIN OPEN UNTIL FILLED

Contact: Bruce A. Hay Professor Division of Biology, MC 156-29 California Institute of Technology 1200 East California Boulevard Pasadena, CA 91125 haybruce@caltech.edu

haybruce@caltech.edu

CSIRO Canberra PopulationGenetics of SelfIncompatibility

Applications are invited for a three-year OCE Postdoctoral fellowship to develop mathematical simulation models of the genetic and demographic dynamics of self-incompatibility in invasive plant populations.

The successful applicant will be a mathematical population modeler or ecological geneticist with experience in developing simulation models that integrate both genetic and demographic processes. The main responsibility will be to work with a small team of molecular population geneticists and plant ecologists to develop population models to explore how self-incompatibility affects invasive plant population dynamics using wild radish as a primary model system.

As a member of the research team you will also undertake glasshouse experiments to determine the importance of dominance relationships in determining evolutionary dynamics of self-incompatibility and the long-term effects on reproductive performance.

You will have excellent written and oral communication skills and the ability to work as part of a team.

Candidates should have, or will shortly satisfy the requirements for a PhD in population genetics or ecological genetics with strong experience in mathematical simulation modelling and should have no more than three years of work experience since graduation.

Full information available online at: https://-recruitment.csiro.au/asp/job_details.asp?RefNo=-2008%2F1076#adv

Prof. Andrew Young CSIRO Plant Industry GPO Box 1600, Canberra ACT 2601, Australia Ph: +61-2-6246-5318 Fax: +61-2-6246-5000 Web: www.csiro.au < http://www.clw.csiro.au/ >

Andrew.Young@csiro.au

DukeU QuantitativeGenetics

NIH-funded postdoctoral positions are available at Duke University Medical Center (Durham, NC) to study quantitative (complex) traits in S. cerevisiae; for example, see Nature 416:326-330 (2002) http:/-/www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=-Retrieve&db=PubMed&dopt=Citation&list_uids=-11907579 and PLoS Genetics 2(2):e13 (2006) http:/-/www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=-Retrieve&db=PubMed&dopt=Citation&list_uids=-16462944 and the lab web site http://www.duke.edu/-web/microlabs/mccusker/ Applicants should have 0 to (at most) 2 years of post-doctoral experience and a strong background in at least one of three areas - yeast genetics, quantitative/population genetics and/or genomics/informatics - and a desire to expand into the other listed areas. Start dates are flexible.

Applicants should email their curriculum vitae and the names/email addresses of three references to John McCusker <mccus001@mc.duke.edu>.

John H. McCusker, Assoc. Prof. Dept. of Molecular Genetics & Microbiology, 3020 Duke University Medical Center Durham, NC 27710

http://www.duke.edu/web/microlabs/mccusker/ phone: (919) 681-6744 fax: (919) 684-8735 e-mail: mccus001@mc.duke.edu

PLASMID REQUESTS: PLEASE CHECK WEB SITE

John McCusker <mccus001@mc.duke.edu>

FloridaStateU PopGeneticsTheory

Postdoctoral Research Associate

The Department of Scientific Computing (www.scs.fsu.edu) at Florida State University invites applications for a Postdoctoral Research position to pursue work on topics in population genetics theory, in particular probability theoretical work involving coalescence theory. We are specifically interested in applicants with a Ph.D. in probability theory, or population genetics theory. Extensive knowledge of coalescence theory is preferred. The position offers an opportunity to take part in an active program of research related to an NIH funded research grant, which is available immediately with funding secured until the end of April 2009. A continuation grant is pending, and if funded, will allow the continuation of the position up to possibly 5 years. A CV and research statement along with 3 three names with addresses (including phone and email) of potential references should be submitted by e-mail, preferably in PDF format to: beerli@fsu.edu or via express mail to Prof. P. Beerli, Department of Scientific Computing, 150-T Dirac Science Library, Florida State University, Tallahassee, FL 32306-4120. Application deadline is September 30, 2008. The Florida State University is an EO/AA, employer committed to diversity in hiring and a public records agency.

Peter Beerli <beerli@fsu.edu>

ImperialCollegeLondon MolecularPhylogenetics

Research Associate in Molecular Phylogenetics and Ecology NERC Centre for Population Biology

Division of Biology

Faculty of Natural Sciences

Salary: £25,310 - £28,140 per annum

Imperial College London is ranked in the top five universities of the world, according to the 2007 Times Higher Education Supplement league tables.

The NERC Centre for Population Biology is a centre hosted by Imperial College London, which is funded by NERC to carry out research in all areas of population biology.

We are seeking to recruit a Research Associate with a strong background in molecular phylogenetics to work on a NERC funded project entitled "phylogentic analysis of a highly resolved insect food web". You will gather molecular data to construct phylogenies and use these to analyse evolutionary constraints on food web structure. A broad interest in evolutionary biology and ecology is therefore highly desirable.

You must hold a PhD or equivalent level of professional qualification in evolutionary biology, ecology or a related field.

The appointment is for a fixed term of 12 months starting 1 November 2008.

For informal enquiries please contact Dr Frank van Veen: f.vanveen@imperial.ac.uk

Application Form: http://-www3.imperial.ac.uk/portal/page/portallive/-0FDF9D28002543D0E0440003BACD13A5 Job Description and Person Specification: http:/-/www3.imperial.ac.uk/pls/portallive/docs/1/-47459696.DOC Completed application forms accompanied by a curriculum vitae and the name and contact details of two referees should be sent to: Miss Sarah Snellin, NERC CPB, Imperial College London, Silwood Park Campus, Buckhurst Road, Ascot, Berkshire, SL5 7PY or by email to: s.snellin@imperial.ac.uk.

Closing date: 12 September 2008

Interviews will be held in the week commencing 22 September 2008

Valuing diversity and committed to equality of opportunity

f.vanveen@imperial.ac.uk f.vanveen@imperial.ac.uk

Kiel Germany Evolbio

Postdoc in Evolutionary Biology in Kiel

The position is available at the Zoological Institute, Christian-Albrechts-Universitaet of Kiel, Germany. Starting date: Beginning of 2009. The position is initially available for 3 years and can be extended for another 3 years. It is paid according to level TV-L 13 (approximately 3000 Euros per month excluding tax reductions).

Description of position

The position will be based at the newly established Department of Evolutionary Ecology and Genetics (PI: Hinrich Schulenburg). The group is international with English as the main lab language. The position com-

prises research, teaching, and administrative tasks. The research focus shall be in one of the following areas of evolutionary ecology, ideally using the nematode C. elegans as a model organism: Evolution of host-parasite interactions, ecological immunology, microbiota.

Requirements

? PhD in Biology ? Excellent knowledge in Evolutionary ecology or Genetics, statistics and simple molecular techniques (PCR, fragment analysis) ? Ideally experience with the nematode C. elegans or bacteria ? High motivation, team work, fluency in English

Kiel University aims to increase the proportion of female scientists in research and teaching. Therefore, qualified women are especially encouraged to apply. In case of equivalent qualifications, women will be preferentially considered. Kiel University supports employment of severely handicapped people. These will be preferentially considered in case of equivalent qualifications.

Applications are invited in written form by post or email and should include CV, short description of research interests (max. 2 pages) and names of 2 potential referees (incl. address and email). Deadline for applications: 24. October 2008. For further information or questions, please send an email to hschulenburg<at>zoologie.uni-kiel.de.

Address for applications

Prof. Dr. Hinrich Schulenburg Zoologisches Institut Christian-Albrechts-Universitaet zu Kiel Am Botanischen Garten 9 24118 Kiel Germany Email: hschulenburg<at>zoologie.uni-kiel.de

Dr. Hinrich Schulenburg

Department of Animal Evolutionary Ecology Zoological Institute University of Tuebingen Auf der Morgenstelle 28 72076 Tuebingen Germany Tel.: +49-7071-2975342 Fax: +49-7071-295634 Email: hinrich.schulenburg@uni-tuebingen.de

From 1st October 2008 onwards: Zoological Institute Christian-Albrechts-Universitaet zu Kiel Am Botanischen Garten 9 24118 Kiel Germany Tel: +49-431-880-4143 Fax: +49-431-880-2403 Email: hschulenburg@zoologie.uni-kiel.de

Hinrich Schulenburg <hinrich.schulenburg@uni-tuebingen.de>

Paris Evolution of Caenorhabditis vulva development

A postdoctoral position is available in the laboratory of Marie-Anne Felix, Institut Jacques Monod, CNRS-University Paris 7, Paris, France, starting in the spring of 2009. Possible projects include quantitative studies of the intercellular signaling network involved in C. elegans vulva development and evolutionary studies of vulva development in the Caenorhabditis genus.

For interested candidates, please send a letter of motivation, a Curriculum Vitae and a list of three referees.

Marie-Anne Felix e-mail: felix@ijm.jussieu.fr Institut Jacques Monod, Tour 43, 2 place Jussieu, 75251 Paris Cedex 05, France Tel: +33-1-44-27-40-88; Fax: +33-1-44-27-52-65

Moving soon to: http://editorial.batiactu.com/edito/-l-operation-paris-rive-gauche-accueille-deux-batim-504.php Lab webpage: http://ijm2.ijm.jussieu.fr/ijm/-research/research-groups/nematode?set_language=-en&cl=en – Marie-Anne Felix Institut Jacques Monod, Tour 43, 2 place Jussieu, 75251 Paris Cedex 05, France Tel: +33-1-44-27-40-88; Fax: +33-1-44-27-52-65 (5th floor, corridor 43-42) http://ijm2.ijm.jussieu.fr/ijm/-recherche/equipes/nematode STRAINS: http://-www2.ijm.jussieu.fr/worms/search.php Marie-Anne Felix <felix@ijm.jussieu.fr>

Paris HeliconiusEvolution

CNRS, Postdoctoral Fellowship 'Origin, Structure and Evolution of Biodiversity' unit (UMR5202) Muséum National d'Histoire Naturelle, Paris

A 2-year postdoctoral fellowship is available to work on the genetics and molecular evolution of wing patterns in Heliconius butterflies.

Butterflies in the genus Heliconius are well known for their spectacular wing-pattern radiation, which makes them a unique model to study the genetics of morphological and evolutionary adaptation. We are especially interested in the evolutionary genetics of a balanced

polymorphism for mimicry in the species H. numata, controlled by a single locus (supergene) with many alleles. We are aiming to understand the evolution of this genetic architecture and to characterise the genes controlling pattern variation. Approaches range from linkage mapping to molecular population genetics and evo-devo, taking advantage of a rich comparative framework at the genus level, and using a rapidly increasing amount of genomic information for this group. Possible projects include (but are not restricted to): - genetic dissection and evolution of supergenes - population genetics and/or spatial molecular evolution of balanced polymorphism - molecular evolution of genomic sequences linked to a supergene - genomic evolution of wing pattern formation. A flavour of our current research in Heliconius butterflies can be found on http://heliconius.zoo.cam.ac.uk/joron/ and http://-/www.heliconius.org . The successful candidate will join a new team lead by Mathieu Joron and funded by CNRS at the Natural History Museum. The postdoc will have the opportunity to collaborate closely with local evolutionary biologists, postgraduate students, as well as with international collaborators from the Heliconius Consortium.

The Natural History Museum (www.mnhn.fr) is situated right in the centre of Paris, next to Université Pierre & Marie Curie (Paris 6), and a short walk from Ecole Normale Supérieure. The Natural History Museum has recently enjoyed an intensive campaign of recruitment of young researchers in all aspects of biodiversity and evolutionary research, and Paris as a whole has a vibrant research community in the life sciences.

The position is for 2 years, starting in January 2009 or soon thereafter. Gross salary is 27.000-41.000 per annum depending on experience. A PhD and a strong background in evolutionary biology or genetics are required. Good skills in the molecular lab are essential. Candidates of all nationalities can apply. Fluency in French is not required. Interested candidates are strongly encouraged to make informal contact with Mathieu Joron (joron@mnhn.fr) to discuss projects and feasibility.

Apply by sending a 1-2-page letter of interest, a detailed CV, and the names and contact details of at least two referees, preferably by email, by Monday 13 October 2008, to:

Mathieu Joron (joron@mnhn.fr) Muséum National d'Histoire Naturelle, Département Systématique et Evolution CNRS UMR 5202, case postale 39, 16 Rue Buffon, 75005, Paris, France Tel. +33(0)140-79-33-27 http://heliconius.zoo.cam.ac.uk/joron/ –

Mathieu Joron <joron@mnhn.fr>

PompeuFabraU Barcelona EvolutionaryGenomics

Postdoc in Evolutionary Genomics, University Pompeu Fabra (Barcelona, Spain)

We seek a highly motivated postdoctoral research associate who has a strong background in computational methods. The successful candidate would work on integrating different bioinformatics tools for the identification of network structures of genes and metabolic pathways under selective forces, and develop new approaches for modeling variation in such networks.

Our group offers an unusual and highly stimulating research frame, is part of the Barcelona Biomedical Research Park (http://www.prbb.org), a renowned center for Biomedical research that hosts, besides the University, other institutions offering a thrilling and dynamic scientific atmosphere, driven by leading groups in fields such as bioinformatics, molecular biology and evolution. If you are interested, please send your CV and two names of researchers for reference to jaume.bertranpetit@upf.edu or Hafid.laayouni@upf.edu

– Hafid Laayouni Centro de Investigación Biomédica en red Epidemiología y Salud Pública (CIBERESP) IBE, Institute of Evolutionary Biology (UPF-CSIC) Parc de Recerca Biomèdica de Barcelona (PRBB) Dr. Aiguader, 88. 08003 Barcelona Tel. (34) 93-316-0845 Fax: (34) 93-316-0901 Spain

Hafid Laayouni <hafid.laayouni@upf.edu>

Portugal Borneo ConservationGenetics

Cher/es tou/te/s, j'ai fait passer ces deux annonces (un post-doc et un technicien) sur evoldir il y a deux-trois semaines. La deadline est le 15 septembre (lundi prochain). Peut-Ãtre connaissez-vous des Ã©tudiants ou post-docs intÃ©ressÃ©s ? LounÃs

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Post-doc job in conservation genetics: habitat fragmen-

tation and large mammals of Borneo

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NOTE: DEADLINE 15 SEPT 2008 !!!!

The Population and Conservation Genetics group (http://www.igc.gulbenkian.pt/research/unit/88) is looking for a post-doctoral researcher to work on the impact of fragmentation on large mammals from Borneo. The project will involve lab, field and simulation work in collaboration with L. Chikhi (in Portugal) and B. Goossens (in Malaysia).

The post-doctoral candidate is expected to work in close collaboration with a technician who will be hired on the same project. Since the post-doc and technician are expected to be complementary, we are open regarding the profile that the post-doctoral should have. S/he could thus be a biologist with a strong interest for modelling, a biologist working in the laboratory or a theoretician with an equally strong interest in biological problems. Excellence and adaptability are the main selection criteria.

The Month Stipend follows the regulations of the FCT Scientific Fellowships in Portugal (1495.00/month) and will initially be for 18 months but the successful candidate will be encouraged to apply for independent funding from international or Portuguese funding bodies.

The post-doc will be based at the Instituto Gulbenkian de Cienciaâ (IGC, http://www.igc.gulbenkian.pt/) which is a leading Research Institute in Portugal and in Europe. Researchers at the IGC work on a wide range of subjects from epidemiology, to genetics, evolutionary biology, bioinformatics and theoretical immunology. The IGC is located in Oeiras, a small sea-side town 20 min. by train from downtown Lisbon, along the Tagus. It is only 10-15 min. walking distance from the beaches and the quality of life is excellent. The IGC provides excellent research conditions and English is the communication language among and within groups. Several other research institutions are located near-by addressing both fundamental and applied questions in biomedical sciences using interdisciplinary approaches.

Applications in PDF format will be accepted by email only (to chikhi at igc.gulbenkian.pt) until September 15th, 2008, and will include: -a short CV -a motivation letter -two recommendation letters (sent independently by referees) or contacts of two referees

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LounÃs Chikhi ChargÃ© de Recherche CNRS UMR CNRS Evolution et DiversitÃ© Biologique, Toulouse chikhi@cict.fr

NOUVELLE ADRESSE (01/10/2007 AU 30/09/2008): Population and Conservation Genetics Group Instituto Gulbenkian de CiÃncia Rua da Quinta Grande, 6 P-2780-156 Oeiras, Portugal Tel: +351 21 446 46 71 Fax: +351 21 440 79 70 chikhi@igc.gulbenkian.pt

LounÃs Chikhi <chikhi@cict.fr>

Spain SpeciesEvolution

Dear colleagues,

Apologies for cross-posting.

I would like to draw your attention for 4 positions now open in my lab:

Post doctoral researcher - Evolution of species climatic niches http://www.biochange-lab.eu/wordpress/-wp-content/uploads/post-doc-niche-modelling.pdf Post doctoral researcher - Population dynamics under climate change http://www.biochange-lab.eu/-wordpress/wp-content/uploads/post-doc-population-biologist.pdf Computer programmer - Biogeography & Biodiversity Informatics http://www.biochange-lab.eu/wordpress/wp-content/uploads/computer-programmer.pdf Technician - GIS / Spatial Analysis http://www.biochange-lab.eu/wordpress/wp-content/-uploads/gis-technician.pdf Two additional post doctoral positions will be open early in 2009.

All the best,

Miguel Araújo

– Miguel B. Araújo www.biochange-lab.eu baselga@mncn.csic.es

StellenboschU Bioinformatics

Postdoctoral position available in the Department of Genetics (17 Sept 2008)

A Postdoctoral position in bioinformatics is available in the Aquaculture Division, Department of Genetics, Stellenbosch University with the project title “Genetic improvement of the abalone Haliotis midae.”

Haliotis midae, known locally as ’perlemoen’, occurs along the Western, Southern and Eastern shores of South Africa and is the only one of the six species that

occurs in South Africa that is commercially exploited. H. midae displays a very slow growth rate, taking two to five years to reach market size. This is an obstacle in the profitable farming and global competitiveness of this species. In order to increase the productivity and the profitability of the commercial activity, a research program has been designed that makes use of the modern technology currently applied to other aquaculture species. One of the outputs of the project is to produce a transcriptome sequence of Haliotis midae using the Illumina Genome Analysis platform.

The successful candidate will be primarily responsible for bioinformatic data analysis within this framework. This will include developing an in-depth understanding of tailored analytical software packages for EST, transcriptome and gene expression analysis to both conduct research and provide postgraduate students with bioinformatics support; keeping abreast of new developments in the areas of bioinformatics, transcriptome analysis and abalone research; the input of data into and maintenance of a comprehensive sample tracking system; assisting laboratory staff and students with their research data output requirements.

Minimum requirements: PhD with specialization in Biotechnology, Bioinformatics, Genetics, Genomics or a closely related discipline. Candidates should have a strong computational background (DNA sequence analysis, phylogenetic analysis and gene expression data analysis) and proficiency in relevant software packages. Recommended requirements: Project management experience; excellent organizational and communication skills; proven ability to set deadlines and meet milestones; a desire to work as an effective member of a growing team.

The position is available for 2 years (January 2009 - December 2010)

Interested researchers are requested to send their CV to Dr. Rouvay Roodt-Wilding at roodt@sun.ac.za

Closing date: 10 October 2008.

roodt@sun.ac.za

UCaliforniaDavis FungalPopulationGenetics

Postdoctoral Position Department of Plant Pathology, University of California, Davis

A three-year postdoctoral position is available, starting November 2008, for population genetics research on the ascomycete fungus Eutypa lata, causal agent of Eutypa dieback of grape. Although it is clear that E. lata ascospores are the infectious propagules and are wind-dispersed, the origin of ascospores that initiate the first infections in a healthy vineyard is not known. Eutypa lata is a generalist pathogen with a broad host range that includes not only grape, but also many orchard trees, ornamentals, and native hardwoods. To identify the potential source and routes of infection, as determined by genotyping isolates, research will initially rely on polymorphic microsatellite markers, previously developed, to compare populations of Eutypa from vineyards, wildlands, and Prunus orchards (apricot & cherry) from an existing collection of isolates. Some outcomes of this initial project will be to clarify species concepts for Eutypa from grape and Eutypa from Prunus, to test for migration between populations from vineyards and orchards in California and from other continents, and to improve our understanding of the pathogen?s population biology. The postdoc will then be responsible for designing additional studies that build on the initial project and test hypotheses regarding recombination rates and evolutionary histories.

Applicant must understand the principles of population genetics and coalescent theory. Applicant must also have demonstrated proficiency with computational methods in population genetics and phylogenetics, which includes the application of appropriate software specific for analyzing microsatellite and sequence data (e.g., GeneMapper, Arlequin, MrBayes, MIGRATE, STRUCTURE, GenePop). This research project is one component of a large, multi-state, multi-lab effort focused on control of grapevine trunk pathogens, including E. lata. The postdoc will, therefore, also be responsible for supervising research assistants to maintain a greenhouse experiment on the relative resistance of grapevine cultivars to infection by E. lata and other trunk pathogens. A recent Ph.D. (within one year of completing PhD) in ecology, mycology, genetics, plant pathology, microbiology, or a related scientific discipline is required. Salary is commensurate with experience, but will not be less than $35,000 per year, and medical insurance for the postdoc is a benefit provided with this appointment. UC is an AA/EOE employer.

Send letter of interest, CV, and contact information for three references by Sept. 30, 2008 to:

Kendra Baumgartner Department of Plant Pathology University of California One Shields Avenue Davis, CA 95616 phone 530-754-7461 fax 530-754-7195 kbaumgartner@ucdavis.edu

Kendra Baumgartner <kbaumgartner@ucdavis.edu>

UdeBourgogne AvianMalariaEvolution

CNRS and Université de Bourgogne (Dijon, France)

Postdoctoral researcher in Evolutionary ecology of avian malaria

A postdoctoral research assistant is required for a project entitled 'Evolutionary ecology of avian malaria', funded by the Université de Bourgogne. The project aims to explore how the phenotype (e.g. previous exposure to the pathogen, antioxidant status, etc.) of the host (domestic canaries) affects the expression/evolution of virulence of Plasmodium relictum. The candidate should have a good background in evolutionary biology and a good skill for laboratory work, as the job will involve experimental infections and monitoring of parasite development and host response using biochemical and molecular techniques. The post is available for 12 months, starting November 1^st 2008, and will be based at the CNRS lab Biogéosciences, Dijon, France. Only non French citizens are eligible for the position.

Further information can be asked to: Gabriele Sorci (gabriele.sorci@u-bourgogne.fr) Stéphane Garnier (stephane.garnier@u-bourgogne.fr)

Lettres of application, including a CV, the names and e-mail addresses of three academic referees, should be sent to: Gabriele Sorci (gabriele.sorci@u-bourgogne.fr)

Closing date: 21 september 2008.

–

Stéphane Garnier

Equipe Ecologie Evolutive UMR CNRS 5561 Biogéosciences Université de Bourgogne 6 Bd Gabriel 21000 Dijon - France

stephane.garnier@u-bourgogne.fr <mailto:stephane.garnier@u-bourgogne.fr> Tel: +33 (0) 3 80 39 90 58 Fax: +33 (0) 3 80 39 62 31

Stephane Garnier <stephane.garnier@u-bourgogne.fr>

UdeBourgogne ImmuneRegulationEvolution

CNRS and Université de Bourgogne (Dijon, France)

Postdoctoral researcher in Evolutionary ecology of immune regulation

A postdoctoral research assistant is required for a project entitled 'Evolutionary ecology of immune regulation', funded by the Université de Bourgogne. The project aims to explore the interplay between immune regulation, host age and breeding effort, using laboratory mice as model system. The candidate should have a good background in evolutionary biology and a good skill for laboratory work. The post is available for 12 months, starting October 1^st 2008, and will be based at the CNRS lab Biogéosciences, Dijon, France. Only non French citizens are eligible for the position.

Further information can be asked to: Bruno Faivre (bruno.faivre@u-bourgogne.fr) Gabriele Sorci (gabriele.sorci@u-bourgogne.fr) Stéphane Garnier (stephane.garnier@u-bourgogne.fr)

Lettres of application, including a CV, the names and e-mail addresses of three academic referees, should be sent to: Bruno Faivre (bruno.faivre@u-bourgogne.fr)

Closing date: 21 september 2008.

–

Stéphane Garnier

Equipe Ecologie Evolutive UMR CNRS 5561 Biogéosciences Université de Bourgogne 6 Bd Gabriel 21000 Dijon - France

stephane.garnier@u-bourgogne.fr <mailto:stephane.garnier@u-bourgogne.fr> Tel: +33 (0) 3 80 39 90 58 Fax: +33 (0) 3 80 39 62 31

Stephane Garnier <stephane.garnier@u-bourgogne.fr>

UdeBourgogne ImmuneRegulationEvolution 2

We recently posted the following announcement* *for

a postdoc position. We post it again because there is a *change in the starting date. **

Starting date : 1st November 2008 Closing date for applications : 28 September 2008

*

CNRS and Université de Bourgogne (Dijon, France)

Postdoctoral researcher in Evolutionary ecology of immune regulation

A postdoctoral research assistant is required for a project entitled 'Evolutionary ecology of immune regulation', funded by the Université de Bourgogne. The project aims to explore the interplay between immune regulation, host age and breeding effort, using laboratory mice as model system. The candidate should have a good background in evolutionary biology and a good skill for laboratory work. The post is available for 12 months, starting October 1ˆst 2008, and will be based at the CNRS lab Biogéosciences, Dijon, France. Only non French citizens are eligible for the position.

Further information can be asked to: Bruno Faivre (bruno.faivre@u-bourgogne.fr) Gabriele Sorci (gabriele.sorci@u-bourgogne.fr) Stéphane Garnier (stephane.garnier@u-bourgogne.fr)

Lettres of application, including a CV, the names and e-mail addresses of three academic referees, should be sent to: Bruno Faivre (bruno.faivre@u-bourgogne.fr)

Closing date: 21 september 2008.

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Stéphane Garnier

Equipe Ecologie Evolutive UMR CNRS 5561 Biogéosciences Université de Bourgogne 6 Bd Gabriel 21000 Dijon - France

Tel: +33 (0) 3 80 39 90 58 Fax: +33 (0) 3 80 39 62 31

stephane.garnier@u-bourgogne.fr stephane.garnier@u-bourgogne.fr

UEastAnglia EvolutionOfLifeHistories

Telomeres as biomarkers of costs and quality in the Seychelles warbler

UNIVERSITY OF EAST ANGLIA - SCHOOL OF BIOLOGICAL SCIENCES

SENIOR RESEARCH ASSOCIATE Ref: RA519

28,290 to 33,780 per annum (pay award pending)

A NERC funded postdoctoral position is available from December 2008 for a period of two years and nine months. The goal of the research is to use the unique correlative and experimental data set compiled on the Seychelles warblers to undertake a comprehensive longitudinal study of telomere shortening in a wild avian population. The study will address a fundamental problem in evolutionary biology; namely how to measure and compare the costs that individuals pay when participating in different activities/experiences in their natural setting. The accurate estimation of such costs is essential to our understanding of the trade-offs inherent in the evolution of life histories. The work will be undertaken with Dr David S Richardson and partners involved in the overall Seychelles warbler project (J Komdeur and T Burke) and the specific telomere work (P Monaghan and S Verhulst).

The researcher will help to develop molecular protocols to screen for telomere length in the Seychelles warbler. They will then; 1) determine whether telomere shortening be used as a measure of biological aging in this wild population, 2) investigate the relative costs, in terms of telomere shortening, of different stresses, and, 3) test the idea that individual variation in telomere shortening rate can reflect an individuals ability to withstand these stresses and, therefore, provide an indicator of individual quality.

Applicants must have, or be about to obtain, a PhD in a relevant discipline such as evolutionary or behavioural ecology and have a keen interest in understanding life history trade-offs and senescence. Practical experience in modern molecular techniques, such as PCR/sequencing, is essential. Field experience and animal handling are desirable as there may be the opportunity to participate in fieldwork.

Closing date: 12 GMT on 26 September 2008.

Further particulars and an application form can be obtained from the University's web page at: www.uea.ac.uk/hr/jobs/ <file:///C:\Documents%20and%20Settings\ k835\Local%20Settings\ Temporary%20Internet%20Files\ BIO\www.uea.ac.uk/hr/jobs/> or by e-mail at: hr@uea.ac.uk or by calling the answerphone on 01603 593493 or by mail to the Human Resources Division, UEA, Norwich NR4 7TJ.

Dr. David S. Richardson School of Biological Sciences, University of East Anglia, Norwich NR4 7TJ England

http://biobis.bio.uea.ac.uk/biosql/fac_show.aspx?ID=

325 email david.richardson@uea.ac.uk Telephone 01603 591496 FAX 01603 592250

"Richardson David Dr (BIO)" <David.Richardson@uea.ac.uk>

UGeneva EvolutionaryGenomics

Postdoc Position in Evolutionary Genomics

The laboratory of Molecular Phylogeny and Evolution in Vertebrates, leaded by Juan Montoya-Burgos, Department of zoology and animal biology, University of Geneva, seeks for an evolutionary biologist with strong skills in molecular techniques and DNA-sequence analyses.

RESEARCH PROJECT: Identification of genes underlying adaptive phenotypic traits is of primordial importance in the field of evolutionary biology. It is an extremely challenging task, even more for non-model organisms. This research project is aimed at identifying genes or biological functions that are more likely to undergo adaptive evolution in animals. The selected candidate will perform a new experimental genomic approach developed in the laboratory for isolating fast evolving transcripts that show typical signs of positive selection. This high throughput method will be performed on a highly derived group of Neotropical catfishes, the Loricariina, due to their outstanding range of phenotypic, ecological and behavioral traits. This project is founded by a SNF grant.

Other groups in the Department of zoology and animal biology focus on molecular biology of vertebrate development (Denis Duboule), artificial and natural evolution (Michel Milinkovitch), molecular phylogeny of protists and invertebrates (Jan Pawlowski), developmental and molecular biology of sensory systems in mammals (Ivan Rodriguez), genetic and cellular regulation of developmental plasticity in Hydra (Brigitte Galliot), oogenesis in zebrafish (Roland Dosch), genomic silencing in Drosophila (Pierre Spierer), Hox genes regulation in Drosophila (François Karch), sex determination and early development in Drosophila (Daniel Pauli), vascular cell physiology (Jean-Louis Bény).

Ideal candidates will have a PhD in evolutionary biology (phylogenetics, population genetics, developmental genetics), should be experienced in laboratory techniques (e.g. DNA, RNA extraction, PCR and RT-PCR, DNA sequencing, cDNA library, cloning, ...), with strong skills in DNA sequence analyses and in theoretical aspects of molecular evolution. The position is initially for two years. The selected candidate will be encouraged to apply for funding in order to develop his research in the laboratory.

CLOSING DATE: Open until filled, but all application materials, including CV, a summary of research experience, copies of relevant published or in-press papers, and two letters of recommendation should be received by 20 of October 2008 to ensure full consideration. The position will start at the earliest possible date. Candidates should indicate in a cover letter when they could take up the position.

Please send all application material to: Juan Montoya-Burgos, Dept. Zoology and Animal Biology, University of Geneva, Sciences III, 30 quai Ernest Ansermet, 1211 Geneva 4, Switzerland; or as e-mail attachments to the secretary: Corinne.Matthey-Ebner@unige.ch. For inquiries please contact juan.montoya@unige.ch.

– Juan Montoya Burgos Dept of Zoology and Animal Biology University of Geneva Sciences III 30 quai Ernest Ansermet 1211 Geneva 4 Switzerland

Tel: +41 22 379 67 86 Fax: +41 22 379 67 95 e-mail: Juan.Montoya@unige.ch

Juan.Montoya@unige.ch

UIowa EvolutionaryGenomics

Postdoctoral Fellow in Bioinformatics and Evolutionary Genomics Department of Internal Medicine, University of Iowa

The RNA Genomics and Bioinformatics Lab (http://-/www.medicine.uiowa.edu/Labs/Xing/) of the University of Iowa is seeking applications for a postdoctoral fellow position funded by a 4-year NIH project. The lab is conducting computational and experimental research to study mammalian gene expression and RNA processing. The postdoctoral fellow will develop computational and statistical tools for exon-level transcriptome analysis using high-density exon microarrays and ultra-deep RNA-seq. The postdoctoral fellow will work with large amounts of in-house microarray and sequencing data to study RNA processing in different tissues, species and diseases. The successful applicant will have ample opportunities to collaborate with internationally recognized biomedical scientists at the University of Iowa Carver College of Medicine in the investigation

of human neurological diseases.

The successful applicant should have a strong ability in computer programming (perl/python, C/C++, R) and an established record in bioinformatics research. Expertise in comparative genomics is a significant plus.

The Carver College of Medicine of University of Iowa is among the top ten public medical schools in National Institutes of Health funding. The University-owned teaching hospital is one of the largest in the United States. The Department of Internal Medicine and the College of Medicine house internationally and nationally recognized centers across the biomedicine disciplines. The University of Iowa is located in Iowa City, a vibrant community located in the rolling hills of southeastern Iowa. The community offers excellent nationally ranked primary and secondary schools, quality entertainment, literary, musical and cultural opportunities, and Big 10 sporting events.

Interested candidates should send a CV and names of two referees to:

Yi Xing 3294 CBRB, 285 Newton Rd Department of Internal Medicine University of Iowa Iowa City, IA, 52242 yi-xing@uiowa.edu http://www.medicine.uiowa.edu/-Labs/Xing/ Yi Xing <yi-xing@uiowa.edu>

ULeicester Stickleback nest building

Evolution of Nest Building Behaviour in Sticklebacks

UNIVERSITY OF LEICESTER - DEPARTMENT OF BIOLOGY

POSTDOCTORAL RESEARCH ASSOCIATE Ref: R3926

Salary Grade 7 - £29,866 to £34,624 per annum

(Salary subject to outcome of October pay review)

A NERC-funded postdoctoral position is available immediately for a strongly motivated individual to study behavioural and genetic aspects of nest building behaviour in a fish, the three-spined stickleback. The aim of the research project is to quantify population variation in nest building behaviour and separate the relative roles of adaptive divergence and phenotypic plasticity, using behavioural ecological and molecular genetic approaches.

A series of experiments will be undertaken using sticklebacks from different populations; some that have evolved in rivers, and some from lakes. We will examine how the flow regime experienced during nest building, and the type of materials available, interact to determine the design of nests. We will allow males to build nests under one regime ('still' or 'flow') before testing aspects of its performance (including resistance to high flow rates, susceptibility to low oxygen levels, and attractiveness to females) under the regime in which it was built, and under the opposite regime. This will quantify the costs of building a nest that is unsuited to prevailing flow conditions. We will then examine to what extent males are able to adjust nest building behaviour when environments change, by examining building behaviour and nest design of individual males under first one, and then the alternate, flow regime. We will also use molecular genetic approaches to quantify the expression of genes in the kidney responsible for the synthesis of Spiggin, a protein 'glue' used by the fish to secure nesting materials, to determine whether male sticklebacks regulate gene expression in response to changing flow conditions.

Applicants must have, or be about to obtain, a PhD in a relevant discipline such as animal behaviour, behavioural ecology or evolutionary ecology or related subject and have a keen interest in phenotypic plasticity. At least a basic knowledge of modern molecular techniques (such as PCR) is desirable.

Closing Date: 7 October 2008

Downloadable application forms and further particulars are available from www.le.ac.uk/personnel/jobs. If you require a hard copy, please contact Personnel Services - tel: 0116 252 2435, email: recruitment4@le.ac.uk. Please note that CVs will only be accepted in support of a fully completed application form.

Informal enquiries are welcome and should be made to Dr Iain Barber (e-mail: ib50@le.ac.uk or telephone: +44 116 252 3462).

Dr Iain Barber Department of Biology University of Leicester Leicester LE1 7RH UK

ib50@leicester.ac.uk ib50@leicester.ac.uk

UManchester ComputationalBiology

UNIVERSITY OF MANCHESTER FACULTY OF LIFE SCIENCES

Post Doctoral Research Associate - A rational in silico approach to mapping protein-protein interaction net-

works (Ref LS/80102)

Based in the research laboratories of Drs Simon Lovell and David Robertson, we seek a computational or structural biologist to study protein-protein interactions networks, specifically to develop evolutionary and structure-based methods to infer interaction networks between species. The post forms part of an interdisciplinary project in collaboration with Prof Michael Stumpf and Dr Ken Haynes at Imperial College London. Our combined aim is to predict protein interactions using sophisticated bioinformatics, statistical and comparative approaches. The salary will be £27,466 - £29,138 per annum.

You should have (or expect to hold) a relevant PhD. Experience of computer-based research is required and experience in protein structure analysis, network analysis and/or molecular evolution an advantage.

Informal enquiries may be addressed to: Simon Lovell, tel.: +44 (0) 161 275 5748, e-mail: simon.lovell@manchester.ac.uk or David Robertson, tel.: +44 (0)161 275 5089, e-mail: david.robertson@manchester.ac.uk.

Information on Manchester computational biology research can be found at: http://-www.manchester.ac.uk/bioinformatics . Application forms and further particulars can be obtained at http:// www.manchester.ac.uk/aboutus/jobs/-research or from The Directorate of Human Resources Tel: ++44 (0) 161 275 8836 Email: Lifesciences-hr@manchester.ac.uk

The closing date for applications is Friday 5th Sept 2008. Please quote appropriate reference.

david.robertson@manchester.ac.uk

UMuenster 2 MolecularEvolution

2 POSITIONS AS POSTDOCTORAL RESEARCH ASSOCIATES ("Wissenschaftlicher Mitarbeiter") will become available in early 2009 in the newly founded Institute of Evolution and Biodiversity, University of Muenster, Germany.

Interested candidates should send applications to Prof. Bornberg-Bauer ebb[at]uni-muenster.de as pdf attachment (max. 4 pages) detailing: education, scientific career, list of publications, names of prospective referees and a short statement of research interest. Prof. Dr. Erich Bornberg-Bauer AG Evolutionary Bioinformatics, Institut for Evolution and Biodiversity, FB Biologie, Westfälische Wilhelms Universität Münster Schlossplatz 4, D-48149 Münster, Germany www.uni-muenster.de/Evolution.ebb Research projects will be in one or more of the following areas: (see www.uni-muenster.de/Evolution.ebb and further links for details)

* Modelling and analysis of genome evolution in host-parasite systems * Modelling and analysis of the evolution of the plant cell stress response using ESTs, genomic and transcriptomic data

Projects will be carried out in close collaboration with experimental groups at the IEB, the Faculty and beyond.

Essential qualifications are:

* PhD in natural sciences and research experience in a biological area * Basic skills in statistics and programming * Motivation and proven ability to carry out research independently * Good communication skills, English

Candidates are encouraged to develop their own research agenda by supervising students and applying for their own funds but this is not a must.

CLOSING DATE is Nov. 30th 2008. Commencing date is flexible, with Jan. 1st 2009 being preferred.

Erich Bornberg-Bauer <ebb@uni-muenster.de>

UNevadaReno EvolutionaryBiol

Postdoctoral Fellow in Evolutionary Biology at the University of Nevada, Reno

We are seeking a postdoctoral fellow to join a National Science Foundation supported investigation of maternal inheritance of mitochondria as a constraint on male adaptation. Using the pseudoscorpion, Cordylochernes scorpioides, as a model system, the research encompasses whole-genome mitochondrial DNA sequencing, sperm competition studies and analyses of the evolutionary response to maternally- and paternally-based selection regimes on traits important in sperm competitive ability.

Required Qualifications Minimum requirements are a Ph.D. in evolutionary biology, evolutionary genetics, entomology, molecular genetics or related field, and a record of publication in peer-reviewed, scientific jour-

nals. Ability to assist in the supervision of a large group of undergraduate and graduate students is essential.

Preferred Qualifications Candidates with expertise in DNA sequencing, DNA profiling, quantitative genetics and/or arthropod dissection and microscopy are especially desired.

Contact Information for this Position

Dr. David W. Zeh - zehd@unr.edu Dr. Jeanne A. Zeh - jaz@unr.edu Cheri Briggs - Search Coordinator - cherib@unr.edu - 784-6188

Interested applicants should apply online at

http://www.unrsearch.com/applicants/-Central?quickFind=53475

and will be prompted to attach a resume/CV, cover letter, contact information for three references and a statement of research plans.

Responsible Search Coordinator Cheri Briggs

Job Open Date 09-22-2008 Job Close Date Open until filled

Jeanne A Zeh <jaz@unr.edu>

UOregon AgingGenetics

Postdoctoral Position University of Oregon Functional Evolutionary Genetics of Aging

A postdoctoral research associate position is available in the Phillips laboratory in the Center for Ecology and Evolutionary Biology at the University of Oregon. We seek a highly motivated, responsible, and talented individual with extensive training in molecular biology to work on a new project investigating the genetic basis of natural variation in aging within natural populations of nematodes. The project involves developing new genetic approaches to studying C. remanei (a sister species to C. elegans), including the characterization of novel mutant effects, natural allelic variation, and variation in transcription factor binding. Interested candidates also have the potential to collaborate on ongoing projects involving the genetics of mating system evolution, sexual selection and sexual conflict, as well as to develop independent projects of their own.

Applicants must have experience in molecular genetics, including cloning, genetic engineering, and sequence analysis. Experience with genomics and/or protein biochemistry is a plus. Applications from candidates with backgrounds in molecular genetics who are interested in further training in the analysis of natural variation are welcome, as are applications from candidates with training in evolutionary genetics. Candidates must have earned a Ph.D. in biology or a related field at the time of appointment. Initial appointment is for one year, with anticipation of yearly extensions up to four years dependent on performance and available funding. Starting salary is $37,000 plus excellent benefits package.

The University of Oregon is located in Eugene, OR, one of the most outstanding small cities in the US. The campus is one hour from the beautiful Oregon coast and one hour from mountain hiking and skiing. We invite applications from qualified candidates who share our commitment to diversity. To assure full consideration, applications must be received by October 19, but position will remain open until filled. Email cover letter, CV and names of three references to Dr. Patrick Phillips, via sara@uoregon.edu. Posting #8304

The University of Oregon is an EO/AA/ADA institution committed to cultural diversity.

Patrick C. Phillips, Professor of Biology Center for Ecology and Evolutionary Biology Email: pphil@uoregon.edu Phone: (541) 346-0916 | FAX (541) 346-2364 Address: 5289 University of Oregon Eugene, OR 97403-5289 USA Web: Lab http://www.uoregon.edu/-~ pphil EvoNet http://www.EvoNet.org CEEB http://evolution.uoregon.edu IGERT http://evodevo.uoregon.edu pphil@uoregon.edu pphil@uoregon.edu

UPenn 2 Evol Infectious Disease

Post Doc Department of Biology, University of Pennsylvania

Two three-year postdoctoral positions are available, starting January 2009, for research at the interface of evolution, ecology, and human health. The main focus of both projects involves the bacterial cause of Lyme disease, Borrelia burgdorferi. B. burgdorferi is carried between vertebrate hosts by the black-legged tick, Ixodes scapularis. These ticks occasionally bite humans and, if infected, can transmit the bacteria, resulting in human Lyme disease. The complex evolutionary history of B. burgdorferi consists of Ixodes ticks and feral vertebrates such as mice, shrews, and chipmunks. B.

burgdorferi cannot be transmitted from mother to offspring in ticks or vertebrates, thus fitness is equivalent to the number of new ticks that acquire the pathogen by feeding on an infected host. Interestingly, each vertebrate species transmits a different subset of the B. burgdorferi genotypes to feeding ticks. All fifteen genotypes coexist in as a multiple niche polymorphism where vertebrate species act as ecological niches - the genetic diversity of the pathogen is maintained by the biodiversity of hosts. In addition, the abundance of each genotype in ticks - equivalent to the human Lyme disease risk - is directly related to the composition and relative abundance of host species. The major aim of one project is to identify the molecular and ecological mechanisms maintaining the within population genotype polymorphism and to determine the consequences of these mechanisms on the distribution and abundance of B. burgdorferi. The major aim of the other project is to apply ecological and evolutionary theory to optimize a reservoir targeted vaccine aimed at reducing the risk of human Lyme disease. Both projects integrate multiple scales of biological complexity (i.e. molecular-level, organism-level, and population-level) potentially using laboratory, field, and computational studies.

The positions require highly motivated, enthusiastic, and enquiring individuals with strong backgrounds in evolutionary biology, ecology, statistics, or related fields. Molecular and field experience are advantageous. Quantitative skills are essential.

The University of Pennsylvania has a strong group of evolutionary biologists and ecologists in the biology department that frequently interact with each other and with an accomplished group of microbiologists in the Medical and Veterinary schools.

The positions are available as early as January 2009. Starting dates are flexible and I will wait for outstanding candidates. Salary is commensurate with experience based on the NIH guidelines.

Informal enquiries and formal applications (curriculum vitae, a 1-2 page statement of research interests, and two letters of reference (by email if possible)), can be submitted to:

Dustin Brisson Department of Biology University of Pennsylvania Leidy Laboratories, 326 433 South University Avenue Philadelphia PA 19104-6018 http://www.bio.upenn.edu/faculty/brisson/ http://brisson.bio.upenn.edu/ dbrisson@sas.upenn.edu V:(215) 746-1731

Dustin Brisson Department of Biology University of Pennsylvania Leidy Laboratories, 326 433 South University Avenue Philadelphia PA 19104-6018 http://www.bio.upenn.edu/faculty/brisson/ http://brisson.bio.upenn.edu/ dbrisson@sas.upenn.edu V:(215) 746-1731 F:(215) 898-8780

Dustin Brisson <dbrisson@sas.upenn.edu>

URichmond Minority PoriferaSystematics

A campus-wide minority postdoctoral fellow program was recently established at the University of Richmond, School of Arts and Sciences, Richmond, VA, USA. We are trying to recruit someone to contribute to one of two NSF-funded projects that focus on molecular systematics of the Porifera and evolutionary, developmental, and ecological aspects of symbiosis involving sponges and their microflora. This position would be particularly attractive to someone considering a job at a primarily undergraduate institution that has strong research expectations. Approximately 75% effort would be placed on research, but meaningful teaching experiences would be acquired at a top tier liberal arts college. The ideal candidate will have strengths in one or more of the following areas: molecular ecology, evolution, development, and/or molecular phylogenetics. The post-doc would interact and collaborate with PIs April and Malcolm Hill who are committed to providing strong mentorship in all respects of the post-doc[1]s professional development. Interested parties should contact either April (ahill2@richmond.edu) or Malcolm (mhill2@richmond.edu). For more information about the University of Richmond Biology Department please see http://biology.richmond.edu/ mhill2@richmond.edu mhill2@richmond.edu

UTours BioinformaticsVirusEvolution

Evolution, Virus, Comparative Genomics, Bioinformatics, France

University of Tours, France Insect Biology Research Institute (IRBI) UMR CNRS 6035

Postdoctoral Research Associate in Bioinformatics Comparative genomics of polydnaviruses and insect

viruses Starting Salary 30,000 per annum; Starting from January 2009; initially 2 years funding Closing date for application: 10th October 2008

We are seeking a highly motivated candidate to fill the post of research associate within the Institute for Insect Biology Research at the University of Tours (France). The successful candidate will join a new team lead by Dr Elisabeth Herniou and funded by the European Research Council (ERC) to work on the adaptation of virus genomes to insect immunity. You will conduct scientific research on viral genomic evolution associated with the adaptation to insect hosts. You will be required to apply a number of bioinformatics techniques including genome sequence annotation, database management, comparative genomics and phylogenetics. You will perform independent and original research and prepare results for publication to refereed journals. To be considered for this position, you will hold a PhD or equivalent level of professional qualification in bioinformatics or evolutionary biology. You will also have a solid background in bioinformatics and comparative genomics and a strong interest in evolutionary biology. Fluency in French is not essential but would be a bonus.

Please contact Dr Elisabeth Herniou (elisabeth.herniou@univ-tours.fr) for more information Application consisting of cover letter, curriculum vitae and the name and contact details of three referees should be sent by e-mail to elisabeth.herniou@univ-tours.fr or by post to: Dr Elisabeth Herniou, Institut de Recherche sur la Biologie de lâInsecte, UMR CNRS 6035, FacultÃ© des Sciences, Parc Grandmont, 37200 Tours, France; Closing date 10 October 2008.

elisabeth.herniou@univ-tours.fr
elisabeth.herniou@univ-tours.fr

WoodsHole BacterialGenomeEvolution

Postdoctoral Research - Bacterial Genome Evolution

A postdoc position is available in Jennifer Wernegreen's lab at the Marine Biological Laboratory, Woods Hole, Mass. The successful candidate will join our group to pursue lab-based and/or computational studies of bacterial population genetics and evolution.

We are exploring the impacts of fundamental evolutionary forces - i.e., genetic drift, mutation, and natural selection - on bacterial DNA sequences, proteins, and whole genomes. Specific projects contrast host-dependent versus free-living species, in order to clarify how bacterial lifestyle influences evolutionary trajectories. Much of our empirical work focuses on bacterial endosymbionts of insects, including mutualists of ants. For more information, please see: http://-jbpc.mbl.edu/labs-wernegreen.html.

Our lab is part of the MBL's Josephine Bay Paul Center in Woods Hole, a collaborative research group exploring microbial diversity, molecular evolution, and comparative genomics (http://jbpc.mbl.edu/). The Center houses facilities for high-throughput pyrosequencing and computational biology.

Applicants with a Ph.D. in biology, bioinformatics, or a related field are welcome. Computational skills are preferred, including a working knowledge of UNIX/LINUX and PERL, and experience with databases and software for population genetics, comparative genomics, and phylogenetics. Molecular biology experience is also preferred.

The application consists of three items: a cover letter describing your research goals and interest in this position, your CV, and the contact information for three references, including your Ph.D. advisor.

To apply, please submit materials through the MBL employment website: http://mbl.simplehire.com >> Scientist >> "Postdoctoral Scientist - Bacterial Genome Evolution"

Please contact Jen Wernegreen (jwernegreen@mbl.edu; 508/289-7257) with any questions about projects or the position.

Jennifer Wernegreen <jwernegreen@mbl.edu>

WorkshopsCourses

China EvolutionaryGenetics

Please distribute to any undergraduates who might be interested:

Unique Opportunity for Ten Undergraduates 2009 Evolutionary Genetics Field Study Abroad in China

With funding from NSF's Partnerships for International Research and Education (PIRE) program, we are offering 10 undergraduates (U.S. citizens or permanent residents only) the opportunity to participate in a unique study abroad opportunity in China during the summer of 2009 (mid-May through mid-July).

The research focus of our PIRE grant is a forensic biogeographic study of species that are native to China and invasive in the southeastern U.S. as well as a growing number of species native to the southeastern U.S. and invasive in China. Each summer, we will run an 8 week field course where we will visit biological communities throughout China. After the field course, students can elect to continue in short-term research internships in our partner labs in China.

Students will need to be prepared to take full advantage of this experience. Each spring semester, students will enroll at the University of Georgia (UGA) and take 3 courses; two in intensive elementary Mandarin Chinese and a laboratory course in genetics. No prior experience with Chinese language is required, although students should have had at least a course in introductory biology and preferably courses in ecology and evolutionary biology.

The cost to the student of the summer program is minimal: the grant covers travel to and within China, lodging and most meals. The student is responsible for insurance, visa costs and personal expenses. Students are also responsible for the costs of enrolling at the University of Georgia for all required courses (all students are charged at the in-state tuition rate of ~$200 per credit hour).

Applications for the 2009 program are available on our website: http://www.genetics.uga.edu/pire. The deadline for application is fast approaching, although we can extend it if a highly motivated student contacts us showing interest and needing some additional time to get together the application materials. We encourage any interested students to contact us for more information. Or, see the web site: "http://-www.genetics.uga.edu/pire/undergrad.html" or e-mail us at "pire@uga.edu"

Rodney Mauricio Program Director, UGA-China PIRE Department of Genetics University of Georgia

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Rodney Mauricio, Ph.D. Department of Genetics Phone: (706) 542-1417 University of Georgia FAX: (706) 542-3910 Athens, GA 30602-7223 e-mail: mauricio@uga.edu

Lab Web Page: http://www.genetics.uga.edu/-mauriciolab PIRE Grant Web Page: http://-www.genetics.uga.edu/pire Evolution at UGA: http:/-/www.genetics.uga.edu/evolution mauricio@uga.edu mauricio@uga.edu

Panama ConservationGenetics Jan18-31 ApplDeadlineSep19

Recent Advances in Conservation Genetics

January 18th through January 31st, 2009

The American Genetic Association (http://-www.theaga.org/ overview.html) in conjunction with the National Cancer, Institute, The Laboratory of Genomic Diversity, Frederick, Maryland (http:/-/home.ncifcrf.gov/ccr/lgd), NOAHS-Smithsonian Institute and the Smithsonian Tropical Research Institute (http://stri.org/) is presenting a 13 day intensive course January 18th through January 31st, 2009, at the Smithsonian Tropical Research Institute in the Republic of Panama. The course will be directed by Dr. Stephen J. O'Brien, and taught by renowned

scientists in methods, interpretation, and applications of molecular genetic analyses for conservation of endangered species, who will also share a variety of their personal experiences in this important field.

Applicants should be conservation-minded scientists (advanced graduate students, post-docs, teachers, and researchers with advanced degrees) from academia, government, non-government organizations, or industry who are studying the genetics of endangered species and who will apply the knowledge gained from this course to the conservation of such species.

Deadline: Application package, with required attachments, must be received by September 19, 2008. Tuition: US $2400 - includes housing, all meals, and transfers from / to Panama airport. Limited Financial Aid is available!

Interested individuals can contact us at congen@ncifcrf.gov or visit the website at http://-home.ncifcrf.gov/ccr/lgd/congen2009/index.asp for course details and applications for the Course and Financial Aid.

Sher Hendrickson, PhD

Laboratory of Genomic Diversity National Cancer Institute Bldg 560, Room 11-26 Frederick, MD 21702 (301)846-7244 hendricksons@mail.nih.gov

hendricksons@mail.nih.gov hendricksons@mail.nih.gov

Salzburg LivestockGeneticDiversity Nov26-28

2 nd ANNOUNCEMENT:

ESF - WORKSHOP Diversity, selection and adaptation in wildlife and livestock - molecular approaches

The European Science Foundation ESF financially supports scientific workshops in the field of integrating population genetics and conservation biology. This year a workshop will be held from 26.11.2008 to 28.11.2008 in Salzburg, one of Austriaâs most attractive towns.

The main goals of the workshop are to stimulate the interaction between wildlife diversity and animal breeding research as well as to integrate quantitative and molecular approaches to the estimation of fitness as conservation value. About 30 experts and young scientists from all over Europe will be invited for presentations and discussions on this topic.

The following invited lectures of experts will be presented:

Day 1: Whatâs in a breed: criteria for conservation (J.A. Lenstra) Cranes, primates and zebu cattle: a rational framework to derive conservation priorities (H. Simianer) Genetics of African cattle domestication and signatures of selection (D. Bradley) Functional tests of selected alleles - a case study in Drosophila (C. Schlötterer)

Day 2: Tracing cattle to trace shepherds; the origin of the Etruscans (P. Ajmone Marsan) Genetic variation in domesticated cattle and wild aurochs using modern and ancient DNA (C. Edwards) Genetic diversity and population stratification (S. Weigend) Quantitative genetic analysis of selection trade-offs in natural populations: can we define relevant fitness landscapes? (K. Foerster)

Day 3: Wolf conservation and wolf -dog interactions (E. Randi) Heterogeneous founder effects on inbreeding depression (R. Baumung)

The workshop is aimed at young in scientists in population genetics and conservation biology. The ESF will cover partly your travel expenses, accommodation and meals during the workshop. We would highly appreciate if you could join us in making the workshop a success by contributing a short presentation. Please be aware that the number of contributing participants is limited to 20 participants. The DEADLINE for sending abstracts and registration is SEPTEMBER 20. Priority is given to participants coming from a country which financially supports the ConGen- Programme. These are: Austria, Belgium, Croatia, Czech Republic, Denmark, Finland, France, Hungary, Italy, Netherlands, Norway, Spain, Sweden and Turkey

For more information and registration details please check the website of the workshop: http://-www.nas.boku.ac.at/12718.html or contact Roswitha Baumung: roswitha.baumung@boku.ac.at

The organisers:

Prof. Dr. H. Simianer, University of Göttingen, Albrecht-Thaer-Weg 3, 37075 Goettingen, Germany Dr. J.A. Lenstra, Faculty of Veterinary Medicine, Utrecht University, Yalelaan 2, 3584 CM Utrecht, The Netherlands Dr. R. Baumung, University of Natural Resources and Applied Life Sciences Vienna, Gregor Mendel Str. 33, 1180 Vienna, Austria

Assoc.Prof. Dr. Roswitha Baumung University of Natural Resources and Applied Life Sciences Vienna Division of Livestock Sciences

Gregor-Mendel-Strasse 33 A-1180 Vienna, Austria

Tel.: +43-1-47 654-3272 e-mail:

roswitha.baumung@boku.ac.at

Trondheim MicrosatelliteTechniques Dec7

ANNOUNCING A SHORT COURSE SPONSORED BY THE NORDIC MARINE ACADEMY

"Applying microsatellite techniques to aquatic systems" November 30th - December 7th, 2008 Department of Biology, Norwegian University of Science and Technology (NTNU), Trondheim, Norway

ECTS (credits): TBA Application deadline: Oct. 21, 2008 Contact: kenyon.mobley@bio.ntnu.no More information and an application go to: http://-www.ntnu.no/biologi/english/goby/NMA_course Course description: The application of microsatellite DNA techniques has revolutionize studies of behavior, population genetics and conservation genetics in marine systems over the past several decades. The primary goal of this course is to equip advanced students with the knowledge and experience to apply microsatellite DNA techniques to their chosen field of study. This course is primarily designed for advanced Ph.D. students with some molecular experience, but experience is not required for the class.

Topics covered in the course include: - parentage - kinship - population genetics - quantitative trait loci mapping (QTL) - applied fisheries and management

Guest lectures from experts in the field will compliment topics covered in daily lectures while providing real world applications of microsatellite techniques. Confirmed guest lecturers: Adam G. Jones, Texas A&M University Kevin Glover, Institute of Marine Research, Bergen

Course Material and Grading: The course will consist of lectures, computer laboratory work and group projects. Students with existing data sets are encouraged to bring them to the course and may serve the basis for a group project. Additionally a short individual research paper will be submitted three weeks after the completion of the course.

About the course site: NTNU is an international University situated in the heart of Trondheim on the Trondheim Fjord. It is easily reachable by bus or trains from Oslo and other European cities and is serviced by Værnes International airport. For more information on Trondheim http://www.trondheim.com/-engelsk/ Please note: ph.d students (potentially m.sc. students) from institutions affiliated with the NMA are eligible for reimbursement for housing, subsistence, travel and course costs. For a complete listing of eligible institutions please go to: http://-armauer.uib.no/nma/default.asp?k=13&idw – Kenyon Mobley NSF Postdoctoral Fellow Department of Biology Norwegian University of Science and Technology (NTNU) NO-7491 Trondheim, Norway Email: kenyon.mobley@bio.ntnu.no http://www.bio.ntnu.no/-users/kmobley/ kenyon.mobley@bio.ntnu.no

Tucson Microarray Jan4-9

NINTH INTERNATIONAL LONG-OLIGONUCLEOTIDE MICROARRAY WORKSHOP

January 4-9, 2009 The University of Arizona Tucson, Arizona

This workshop will comprise a combination of lectures and hand-on laboratory sessions. The participants will primarily employ Arabidopsis and maize (plant side) and human, bovine and porcine (animal side) whole genome 70-mer oligonucleotide microarrays in their laboratory work (for details of the plant arrays see http://www.ag.arizona.edu/microarray and http:/-/www.maizearray.org/ . The workshop will be divided into two parts: Part I (Sunday 4PM to Wednesday 5PM) will cover wet-lab aspects of microarray target production and amplification, microarray hybridization, and scanning. Part II (all day, Thursday and Friday) will concentrate on data extraction, statistical analysis, and experimental design. Together these topics are aimed at the goal of the participants obtaining optimal results using oligonucleotide-based microarrays. Part II may be taken separately.

Specific topics to be covered include:

* Experimental design. * Probe preparation and microarray printing. * Microarray rehydration and probe immobilization. * Target preparation, including RNA extraction, direct and indirect labeling, and amplification techniques. * Microarray hybridization. * Array scanning and data extraction. * Data analysis and archiving.

Registration (Part I plus Part II) is $700, which includes costs of the microarrays and other supplies that you will use. Part II registration only is $300. Part I participants will be limited to 40 on a first-come, first-

serve basis. Overall participation will be limited to 60 individuals.

Note: There are a number of airline connections from Tucson to San Diego on Friday evening, allowing workshop participants convenient access to the Plant and Animal Genome XVII Meeting (January 10-14).

For further details and to register, please contact David Galbraith (galbraith@arizona.edu)

David W. Galbraith Professor of Plant Sciences & Professor, Bio5 Institute University of Arizona Office: 341 Keating Building

Mailing address: BIO5 Institute The University of Arizona 1657 E. Helen St. Tucson, AZ 85721-0240

Tel: (520) 621-9153 Fax: (520) 626-4824 Email: galbraith@arizona.edu http://cals.arizona.edu/galbraith

taylorjerr@missouri.edu

ZurichETH DetectingSelection Sep23-24

Don't miss the last opportunity to register for the ETH mini-course:

"From dinosaurs to virology: detecting natural selection in comparatives genomics", 23./24. September 2008

The course focusses on state-of the arts statistical methodology and computational advances in analyzing protein-coding data for selective pressure.

Registration deadline: 17. September 2008

Course website and registration: http://-www.inf.ethz.ch/kurs54 Academic participants receive 50% discount.

Please forward this message to anyone who might be interested.

For further information contact:

Madeleine Bernard Kurssekretariat Departement Informatik RZ F 7, ETH Zurich Clausiusstrasse 59 CH-8092 Zurich Phone +41-44-632 72 06 Mail: bernard(at)inf.ethz.ch

bernard@inf.ethz.ch bernard@inf.ethz.ch

Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to me at Golding@McMaster.CA. In addition, if it originates from 'blackballed' addresses it will be sent to me at Golding@McMaster.CA. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

To be removed from the EvolDir mailing list please send an email message to Golding@McMaster.CA. Note that 'on vacation', etc, style messages are automatically filtered and should not be transmitted to the list (I hope), but should you wish to avoid the e-mail's your code can be temporarily changed to 000000.

To send messages to the EvolDir direct them to the email evoldir@evol.biology.McMaster.CA. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. ... plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected

messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be send to me at Golding@McMaster.CA and processed later. In either case, please do not expect an instant response.

Afterward

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LaTeX do not try to embed LaTeX or TeX in your message (or other formats) since my program will strip these from the message.