E v o l D i r

October 1, 2007

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

AMNH NewYork ConsGenetics Sep27-29

REGISTRATION IS OPEN

REGISTRATION FEE: STUDENTS (US$100), POSTDOCS, RESEARCHERS, PROFESSORS (US$250)

ConGen3: The 3rd biannual International Symposium on Conservation Genetics

sponsored by the American Genetic Association

Date: 27-29 September, 2007

Location: American Museum of Natural History, New York, NY, USA

Website: http://genomics.amnh.org/congen3 E-mail: congen3@gmail.com

ConGen3 will be held at the AMNH Sackler Institute for Comparative Genomics in New York City.

Session topics:

- Genetic research for biodiversity surveys, characterization of unique microbial communities, and barcoding initiatives. - Conservation Genetics in Time: conservation phylogenetics and tree reconstruction for identification of hidden biodiversity and examination of hybrid zones. - Ex Situ Conservation Genetics: intensive metapopulation management in theory and practice. - Genetics of Invasive Species: patterns and control.

Interested participants can exchange information on New York City related travel and housing options on the online forum http://groups.google.com/group/-congen3 On behalf of the organizers: George Amato (American Museum of Natural History) Gisella Caccone (Yale University) Rob DeSalle (American Museum of Natural History)

Sergios-Orestis Kolokotronis 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 koloko@amnh.org

CardiffU SelectionViaParasites Jul21-25

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

Fisheries Society of the British Isles Annual Symposium

Parasites as Agents of Selection in Fish: from Genes to Ecosystems

Cardiff University, Wales, UK, 21-25 July 2008

Parasites are increasingly recognised by biologists as important mediators of ecological interactions and agents of natural and sexual selection in host populations. Fish serve as hosts to a wide range of 'conventional' parasitic organisms (i.e. agents of disease

such as viruses, fungi, lice and worms), and have proven to be extremely good models for testing key hypotheses in lab and field research. Furthermore, investment in courtship and parental behaviour risks parasitism by conspecifics that engage in 'sneaky' mating tactics. There is currently considerable interest in the impacts of both 'conventional' heterospecific parasites, and conspecific 'cuckoos' on the fitness of host individuals and the consequences of parasitism for populations and communities. This meeting will examine how parasites impact the biology of fish at all organisational levels - from the gene to the ecosystem - and in doing so will addresses some of the most relevant and pressing research themes in parasitology, behaviour and evolutionary ecology.

We expect to hold sessions based around the following major themes:

Parasites, genes and evolution: detection and avoidance of infective agents; host-parasite co-evolution; immune genes and parasite infection; virulence and local adaptation in host-parasite interactions. Fitness consequences of infections: effects on host physiology, behaviour, growth and development; parasites and sexual selection in fish; pathology of infection. Ecological implications of parasitism: population, community and ecosystem consequences of parasite infections; brood parasitism in fish; the ecology and evolution of cleaner fish symbioses. Host-parasite interactions in altered environments: impacts of climate change, habitat degradation and aquatic pollutants on host-parasite interactions; the implications of species introductions for host-parasite interactions in fish.

Confirmed invited speakers include Kevin Lafferty (Ecosystem consequences of fish parasites), Lexa Grutter (Ecology and evolution of cleaning symbioses in fish), Steve Feist (Pathology of fish parasite infections), Mathias Wegner (The role of Mhc genes in host-parasite interactions) and Bernd Sures (Host-parasite interactionas in polluted environments).

Potential contributors should indicate their interest in presenting a paper and/or poster by submitting a title and abstract (up to 250 words) by e-mail attachment (preferably in a Word document) to the conference coordinator, Tricia Ellis-Evans (e-mail: tricia@paceprojects.co.uk) by 1st November 2007. Further details regarding the conference venue, registration and abstract submission are available on the conference website http://www.fsbi.org.uk/2008 . We look forward to welcoming you to Cardiff in July 2008.

Iain Barber (Leicester) & Joanne Cable (Cardiff) (Conference Conveners)

Joanne Cable <cablej@Cardiff.ac.uk>

CityUNewYork NEMEB2007 Nov3

NEMEB 2007New England Molecular Evolutionary Biologists

NEMEB XVIII will be taking place at Queens College, the City University of New York, on November 3, 2007. NEMEB is an annual one-day meeting that traditionally attracts leading molecular evolutionary biologists from the major universities and research institution of New England and New York. There is no registration fee for attending or presenting at the meeting. The meeting is open to everyone and strongly encourages participation of students in the contributed talks and poster sessions.

This year?s invited speakers are: Rob DeSalle, American Museum of Natural History David Haig, Harvard University Paul Turner, Yale University John Wakeley, Harvard University

The registration deadline is October 15. Please register at: http://qcpages.qc.cuny.edu/ ˜ sboissin/-index.php Stephane Boissinot, Ph.D. Department of Biology Queens College, CUNY 65-30 Kissena Boulevard Flushing, NY 11367 Tel: 718 997 3437 email: stephane_boissinot @hotmail.com

Stephane Boissinot <stephane_boissinot@hotmail.com>

GeorgiaTech Bioinformatics Nov15-17

The 6th Georgia Tech - ORNL International Conference on Bioinformatics -

In silico Biology: Gene Discovery and Systems Genomics Atlanta, Georgia, November 15-17, 2007

10 year anniversary of the first Georgia Tech conference in Bioinformatics – Gene Discovery in silico

This year, Georgia Tech continues the tradition of organizing bi-annual International Conference on Bioinformatics, bringing together leading, world-renowned researchers in genomics and bioinformatics to present

recent advances in the field and to discuss open problems. We hope that these popular Georgia Tech meetings are serving well the interests of the dynamic and highly productiive bioinformatics research community.

Important Dates Conference dates: November 15 - 17, 2007

Deadline for abstract subsmission: September 30, 2007 Notification of acceptance of abstracts: October 7, 2007*

*All selected abstracts will be eligible for competing for the 2007 best poster award. The winner(s) will be annouced at the banquet on November 17.

A limited number of travel awards will be provided to doctoral students selected for presenting posters. Deadline for travel award application: October 11, 2007 A travel award request should be sent to Dr. Lee: evakylee@isye.gatech.edu

Registration begins: August 20, 2007 Deadline for early registration: October 19, 2007

Conference Website http://www2.isye.gatech.edu/-binf2007/ CONFIRMED PLENARY SPEAKERS Joel Bader, John Hopkins University, Baltimore, MD, USA Jean-Michel Claverie, University of Mediterranee, Marseille, France James Galagan, Broad Institute, Cambridge, MA, USA Roderic Guigo, IMIM, Barcelona, Spain Artemis Hatzigeorgiou, University of Pennsylvania, Philadelphia, PA, USA Minoru Kanehisa, Institute for Chemical Research, Kyoto University, Kyoto, Japan Anders Krogh, University of Copenhagen, Copenhagen, Denmark Hanna Margalit, Hebrew University, Jerusalem, Israel Andrei Mironov, Moscow State University, Moscow, Russia Steven Salzberg, University of Maryland, College Park, MD, USA Alexander Souvorov, National Center for Biotechnology Information, NIH, Bethesda, MD, USA Mario Stanke, University of Gettingen, Gettingen, Germany Shamil Sunyaev, Harvard University, Cambridge, MA, USA Martin Tompa, University of Washington, Seattle, WA, USA Olga Troyanskaya, Princeton University, Princeton, NJ, USA Martin Vingron, Max Planck Institute for Molecular Genetics, Berlin, Germany Zhiping Weng, Boston University, Boston, MA, USA Soojin Yi, Georgia Institute of Technology, Atlanta, GA, USA

PROGRAM CHAIRS Mark Borodovsky, Georgia Tech and Emory University Eva K. Lee, Georgia Tech and Emory University

PROGRAM COMMITTEE Pierre Baldi, University of California in Irvine David Bader, Georgia Tech Andrey Gorin, Oak Ridge National Laboratory King Jordan, Georgia Tech Michael Krauthammer, Yale University Eberhard Voit, Georgia Tech and Emory University Igor Zhulin, Oak Ridge National Laboratory and University of Tennessee

ADMINISTRATION Harry Sharp, Georgia Tech

CONFERENCE LOCATION The conference will be held at the Georgia Tech Global Learning & Conference Center, located in Midtown Atlanta near the center of the 1996 Olympic development, close to the Fox Theatre and Margaret Mitchell house.

Georgia Tech Conference Announcement <conf@opal.biology.gatech.edu>

GeorgiaTech ViralEvolution Jan14-16

Announcing a Workshop on "Viral Paradigms: Molecules, Populations, Ecosystems, and Infectious Disease"

http://www.biology.gatech.edu/viral2008/ January 14-16, 2008 Georgia Institute of Technology Atlanta, Georgia USA

WORKSHOP GOALS: A two-and-a-half day workshop whose objective is to change the landscape of how we model and understand viruses. A small group of scientists will discuss new theoretical and computational tools to bridge multiple spatiotemporal scales in the study of viral dynamics from phage to human pathogens.

PROGRAM: The workshop will include talks by over 15 internationally renowned experts, a poster session, and multiple breakout sessions. The workshop will be limited to 40 participants with ample time for discussion and interaction. The workshop is supported by the Burroughs Wellcome Fund & the Georgia Institute of Technology and organized by Joshua Weitz (Georgia Tech), Howie Weiss (Georgia Tech), and Rustom Antia (Emory).

APPLICATION: Applications are currently being accepted for a limited number of junior researchers to participate in the workshop. There is no registration fee, and all accepted participants will be considered for travel awards – http://www.biology.gatech.edu/-viral2008/application.html .Review of applications will begin on October 5, 2007.

For further information please contact Prof. Joshua

Weitz, jsweitz@gatech.edu.

Joshua S. Weitz Assistant Professor School of Biology & Physics Georgia Institute of Technology 310 Ferst Dr. Atlanta, GA 30332

email: jsweitz@gatech.edu phone: 404-385-6169 office: Cherry Emerson 219 group: http://-/ecotheory.biology.gatech.edu/ web: http://-www.biology.gatech.edu/faculty/joshua-weitz/ jsweitz@gatech.edu jsweitz@gatech.edu

Goettingen Systematics Apr7-11 CallForPapers

Conference SYSTEMATICS 2008, Göttingen, 7-11 April 2008

Call for papers

We cordially invite you to attend the conference Systematics 2008, the first joint international meeting on biological systematics of the Society for Biological Systematics and the German Botanical Society, Section Biodiversity and Evolutionary Biology. The meeting will take place in Göttingen, Germany, from 7-11 April 2008. Conference language is English. The program will be very broad, covering biological systematics in the widest sense and providing ample opportunities for oral and poster presentations on new advances in plant, animal and microbial systematics. Three plenary morning sessions with invited speakers will focus on "Progress in Deep Phylogeny", "Speciation and Phylogeography", and "New Trends in Biological Systematics". Afternoon sessions will consist of contributed talks and poster presentations. The last conference day will feature several workshops and a field excursion.

We warmly welcome participation in this meeting of all those interested in biological systematics and evolutionary biology. Registration and abstract submission forms are available on the conference website under www.systematics2008.com Please note that the deadline for the submission of abstracts for both posters and oral presentations is 1st December 2007. For all further information please visit the conference website www.systematics2008.com Please inform your colleagues by forwarding them this announcement. We look forward to welcome you in Göttingen.

The organizers Robbert Gradstein and Rainer Willmann

Contact: Simone Klatt, Congress secretary E-Mail: syst2008@uni-goettingen.de

Systematics 2008 Albrecht von Haller Institute of Plant Sciences Department of Systematic Botany Untere Karspüle 2 37073 Göttingen Germany Phone: ++-49-(0)551-395757 Fax: ++-49-(0)551-392329 E-Mail: syst2008@uni-goettingen.de http://www.systematics2008.com Systematics 2008 <syst2008@uni-goettingen.de>

InstitutPasteur EvolInfectiousDiseases Nov21-24

Last days to send abstracts to the EMBO conference on "GENETICS AND MECHANISMS OF SUSCEPTIBILITY TO INFECTIOUS DISEASES", Institut Pasteur, Paris, November 21-24, 2007 http://www.pasteur.fr/infosci/conf/sb/host_genetics/-index.html In spite enormous progress in identifying the infectious agents associated with diseases and in deciphering genomes sequences we are lagging in controlling these infections. We are taking the initiative to launch a series of conferences that will take place every second year in the Pasteur Institute in Paris and will be dedicated to the studies of Host Genetics Control of Infectious Diseases. We wish to cover a broad range of infectious agents and hosts and attract a large number of participants from around the world. The subjects that we intend to cover in the first meeting include:

* Primary immunodeficiencies, * Genetics of common infectious diseases, * Genetics and functional studies of resistance to viruses, * Non mammalian models to study host genetics of infections, * Mouse models to study host genetics of infections, * Infections, chronic inflammation and autoimmune diseases, * The impact of pathogens on human evolution and their diseases

A number of speakers listed in the program accepted to attend the meeting. The rest of the oral talks and poster communications will be selected among the abstracts submitted by the participants.

For your registration inquiries and abstracts: Contact Caroline Louvet at <conference-ip@pasteur.fr> or visit the website http://www.pasteur.fr/infosci/conf/sb/-host_genetics/index.html Lluis Quintana-Murci, PhD UP Human Evolutionary Genetics, CNRS-URA3012 INSTITUT PASTEUR 25, rue du Dr. Roux, 75724 Paris Cedex 15, France Tel +33 1 40 61 34 43 ; Fax

+33 1 45 68 86 39 ; e-mail: quintana@pasteur.fr

Lluis Quintana-Murci <quintana@pasteur.fr>

Irvine California BiodiversityExtinction Dec6-9

Dear Colleague:

This is to invite you to attend an Arthur M. Sackler colloquium, In the Light of Evolution II: Biodiversity and Extinction, sponsored by the National Academy of Sciences. The Colloquium will be December 6-8, 2007, at the Beckman Center of the National Academies of Sciences and Engineering in Irvine, California. A preliminary program can be viewed at <http://www.nasonline.org/-Sackler_biodiversity_program>www.nasonline.org/-Sackler_biodiversity_program . Darwin's experience as a natural historian contributed greatly to his explanation of evolution by natural selection, which stands as one of the grand intellectual achievements in the history of science. The Earth's exuberant biodiversity is a wellspring for scientific curiosity and discovery about nature's workings. Bringing together leading researchers and students interested in biodiversity from evolutionary as well as ecological perspectives, this colloquium seeks to synthesize recent discoveries and concepts regarding the global abundance and distribution of biodiversity, and to compare the biodiversity patterns to conditions in the near and distant evolutionary past, as well as to those plausible in the near-term future.

Attendance at the Colloquium is limited to 250 registered individuals. To facilitate the participation of younger scientists, we request that you extend this invitation to interested graduate students and postdocs. The NAS has provided funds to supplement the expenses of participating graduate students and postdocs up to $125 for hotel costs and up to $300 for air travel. Awards will be granted with priority based exclusively on the order in which requests (accompanied by the registration fee) are received. Notification of the award will be made shortly after receiving the application but the awards will be paid after the Colloquium, upon documentation of qualifying expenses.

Please register on the NAS website <http://www.nasonline.org/-Sackler_biodiversity>www.nasonline.org/-Sackler_biodiversity. Registrations will be accepted only when the registration fee is included and in the order in which they are received. The registration fee is $350, which includes the cost of meals, reception, and banquet. However, an early registration fee of $250 (also including meals, reception, and banquet) is available to those posting their registration by November 1, 2007. A reduced all-inclusive registration fee of $150 is offered to Graduate Students and Postdocs who register by November 1, 2007.

After submitting your online registration form and payment, you will receive an email confirmation including details for reserving a room at the Hyatt Regency Newport Beach at the discounted rate of $118 per night. Please do not call the hotel directly for room reservations as the discounted rate is only available through the Academy's travel agency. After November 1, 2006, we cannot guarantee that a hotel room will be available. Shuttle bus service between the hotel and the Beckman Center will be provided free of charge at specified times.

Sincerely yours, John C. Avise, Stephen P. Hubbell and Francisco J. Ayala Colloquium Organizing Committee

Francisco J. Ayala 2001 National Medal of Science Laureate University Professor Donald Bren Professor of Biological Sciences University of California, Irvine Department of Ecology and Evolutionary Biology 321 Steinhaus Hall Irvine, CA 92697-2525, USA tel: +1-949-824-8293 fax: +1-949-824-2474 fjayala@uci.edu http://www.faculty.uci.edu/profile.cfm?faculty_id!34 "Francisco J. Ayala" <fjayala@uci.edu>

KansasCity ArthropodGenomics Apr10-13

Save the dates of April 10-13, 2008, and make plans to attend the..

ANNUAL ARTHROPOD GENOMICS SYMPOSIUM

As more arthropod genomes are sequenced, we are faced with the ever-growing need for databases and bioinformatics tools based on common platforms to support comparative genomics. The Arthropod Genomics Consortium was formed to address these issues. The first projects focus on databases and tools for literature annotation. You are invited to join the fun as we share our progress with the arthropod research community, by providing feedback on these projects and input new possibilities.

Keynote speakers:

Thom Kaufman, Fly Base and Bruce Schatz, BeeSpace Indiana University Univ. of Illinois at Urbana-Champaign

April 10 - 13, 2008, in Kansas City at the Marriott Downtown Sponsored by the K-State Arthropod Genomics Center, Kansas State University

TENTATIVE SCHEDULE: Thursday late afternoon/evening, April 10 Workshop: Databases and Bioinformatics Tools for Arthropod Genomics Demonstration room: Database and bioinformatics tools developers will be available throughout the meeting to provide hands on demonstrations.

Friday & Saturday, April 11 & 12 Platform and Poster sessions. Speakers to include experts in arthropod genomics and bioinformatics with applications in genomics. Additional speakers selected from contributed posters.

Visit our website, www.k-state.edu/agc, for updates as details are finalized.

Share this announcement with colleagues and students!

Add your name to the Symposium mailing list, by sending your contact information to dmerrill@k-state.edu.

Doris Merrill, Program Coordinator K-State Arthropod Genomics Center Division of Biology, Kansas State University 116 Ackert Hall, Manhattan, KS 66506-4901 (785) 532-3482, dmerrill@k-state.edu www.k-state.edu/agc dmerrill@ksu.edu

KansasCity Genomics Nov9-11 AbstractsDue

ECOLOGICAL GENOMICS SYMPOSIUM, Kansas City, November 9-11, 2007

This is a friendly reminder that if you would like to have your poster abstract considered for an oral presentation at the Ecological Genomics Symposium, the deadline for submission is Friday, September 28. Abstract submission guidelines for submitting your poster abstract online are available at: http://www.k-state.edu/ecogen/Posters-2007.htm . Please remember, too, that the deadline for discounted registration fees is Friday, September 28. After September 28, we will continue to welcome your registration to attend the 5th Annual Genes in Ecology, Ecology in Genes Symposium at a slightly higher cost.

The Symposium will begin on Friday evening, November 9, at 7:00 pm and conclude on Sunday, November 11, at noon. The Symposium site is the InterContinental Hotel in Kansas City on the beautiful Country Club Plaza. A brochure is available at our Symposium website, www.ksu.edu/ecogen/symp2007.html . FEATURED SPEAKERS: Andrew Clark, Cornell University "Genome-wide population genetic inference from 454 and Solexa sequence runs"

Michael A. Herman, Kansas State University "Ecological genomics of nematode community responses: Model and non-model approaches"

Stefan Jansson, Umeï¿½ University, Sweden "Natural variation in Populus"

Thomas E. Juenger, University of Texas at Austin "Natural variation in the physiology of Arabidopsis thaliana: The ecological genetics of drought adaptation and acclimation"

James H. Marden, Penn State University "Functional genomics of a butterfly metapopulation: Genes that matter for population dynamics, life history traits, and spatial ecology"

Therese Ann Markow, University of Arizona "Ecological genomics of cactophilic desert Drosophila"

Jennifer B.H. Martiny, University of California, Irvine "The ecological significance of microbial genetic diversity"

Mï¿½nica Medina, University of California, Merced "Coral reef health: Genomic approaches to the study of symbiosis, bleaching and disease"

Nancy A. Moran, University of Arizona "The ecological genomics of symbiotic bacteria in insects"

James M. Tiedje, Michigan State University "Genomic insight from among close bacterial relatives"

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.ksu.edu/ecogen . DEADLINES: 9/28/07 Poster Abstracts are due (https://www.dce.ksu.edu/cgi-bin/-conf/eco_proposal.cgi)

9/28/07 Early Registration (https://outreach.ksu.edu)

10/10/07 Hotel Reservations (Select "Reserve Hotel" link on www.ksu.edu/ecogen/symp2007.html)

Funding for this symposium is provided by Kansas State University.

Ecological Genomics Institute Project Directors: Dr. Loretta Johnson and Dr. Michael Herman Doris Mer-

rill, Program Coordinator Ecological Genomics Institute Kansas State University, Division of Biology 116 Ackert Hall, Manhattan, KS 66506-4901 (785) 532-3482, dmerrill@ksu.edu www.ksu.edu/ecogen

Marseilles 11thEvolBiolMeeting Sep19-21 program 2

Dear All,

We are pleased to announce you that the final program of the 11th Evolutionary Biology Meeting at Marseilles is now available on http://www.up.univ-mrs.fr/evol-cgr Best regards, Axelle Pontarotti

Axelle Pontarotti Logistical Organisation Committee EA 3781 Evolution Biologique Universitï¿½ d'Aix Marseille I - case 19 Centre St Charles 3 Place Victor Hugo 13331 Marseille Cedex 3 33491106489 http://-www.up.univ-mrs.fr/evol We are organizing the 11th Evolutionary Biology Meeting at Marseilles - 19-21 September 2007 http://www.evolutionary-biology.org http://www.up.univ-mrs.fr/evol-cgr/ egee@up.univ-mrs.fr

MoscowStateU CompPhylogenetics MolSyst Nov16-19 Deadlines

International conference ≪COMPUTATIONAL PHYLOGENETICS AND MOLECULAR SYSTEMATICS≫, CPMS'2007 16-19 November 2007, Moscow, Russian Federation

www.agora.guru.ru/cpms Extended deadlines:

Registration - 10 October 2007 Conference fee payment - 20 October 2007 Abstract submission - 30 September 2007

Conference scope:

computational analysis of DNA, RNA and protein sequences; methods and algorithms of phylogenetic analysis; oriented software development; parallel and distributed computing in genetic data analysis, datamining; evolution of genome, regulatory elements and genetic control systems; dating evolutionary divergences with molecular data; phylogenetics in hot topics of organismal evolution and systematics, phylogenomics; applied molecular phylogenetics (barcoding, molecular anthropology, molecular epidemiology, forensic science, etc.).

Organizers:

Faculty of Biology of Moscow State University, Belozersky Institute for Physicochemical Biology of MSU, Faculty of Bioengineering and Bioinformatics of MSU, Kharkevich Institute for Information Transmission Problems of the Russian Academy of Sciences, Russian Foundation for Basic Research.

Conference program:

The list of confirmed invited speakers is available at the website. The program will include plenary talks by about 20 prominent scientists in the field of phylogenetics, genomics and computational biology from Russia and abroad. Submission is currently open throught the website to contribute to thematic sections and the poster session.

For any particular information please contact the conference secretary Dr. Leonid Rusin, rusin@iitp.ru.

Best regards, Organizers CPMS'2007

roussine@yandex.ru

Rostock CrustaceanPhylogenetics Oct10-12

Dear colleagues,

This offers a first circular for the symposium:

"Advances in Crustacean Phylogenetics" international symposium in Rostock, Germany, Oct. 10-12 2008

Please visit the homepage at http://www.biologie.uni-rostock.de/zoologie/acp_start.html for further information and feel free to distribute this announcement to colleagues and suitable lists

Jens T. Hï¿½eg

On behalf of the organizers

Stefan Richter & Christian Wirkner

Prof. Dr. Stefan Richter Universitaet Rostock Allgemeine & Spezielle Zoologie Institut fuer Biowissenschaften Universitaetsplatz 2 18055 Rostock Germany

Ph. ++49(0)381 498 6260 Fax. ++49(0)381 498

6262 Email: stefan.richter3@uni-rostock.de http://-/www.biologie.uni-rostock.de/zoologie/zoologie.html keith_crandall@byu.edu

UMichigan EcolEvol Mar15

CALL FOR NOMINATIONS

UNIVERSITY OF MICHIGAN EARLY CAREER SCIENTISTS SYMPOSIUM: NETWORKS IN ECOLOGY AND EVOLUTION

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 the study of networks in ecology and evolutionary biology. This symposium will be held in Ann Arbor, Michigan on Saturday, March 15, 2008. Eight scientists will be selected to present their work. All research related to networks in ecology and evolution will be considered, and we particularly encourage nomination of researchers using network properties to elucidate general principles in these fields.

Early career scientists are defined as senior graduate students (will receive their Ph.D. within one year), postdoctoral researchers, and junior assistant professors (< 3 years service). Graduate students and postdocs should be nominated by their advisor or a senior colleague. Assistant professors may nominate themselves or can be nominated by a colleague.

Nominations must include a brief letter of recommendation addressing both the nominee's scientific and communication skills, a copy of the nominee's curriculum vitae, and a brief abstract of the proposed presentation (< 200 words, written by the nominee). Nominations can be sent electronically to kuhnlein@umich.edu with the subject line: "Nominee for Early Career Scientists Symposium" or by mail to "Early Career Scientists Symposium, Department of Ecology and Evolutionary Biology, 2019 Natural Science Bldg., 830 North University, Ann Arbor, MI 48109-1048".

All nominations must be received by November 2, 2007. Selected participants will be contacted by November 21, 2007.

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

2007 ECSS organizing committee: Dr. Patricia Wittkopp (wittkopp@umich.edu) Dr. Annette Ostling (aostling@umich.edu) Susanna Messinger (susmess@umich.edu) Wenfeng Qian (wfqian@umich.edu)

wittkopp@umich.edu wittkopp@umich.edu

GradStudentPositions

ImperialCollege London IslandSpeciation

SYMPATRIC SPECIATION ON AN OCEANIC ISLAND

AVAILABLE NOW!

PhD Studentship ï¿½ Imperial College London

Location: Imperial College at Silwood Park Campus, Ascot

Eligibility: See NERC eligibility (restricted to UK residents/citizens) http://www.nerc.ac.uk/funding/-application/studentships/ Supervision: Dr Vincent Savolainen (Imperial College London & Royal Botanic Gardens, Kew), in collaboration with Dr Bill Baker (Royal Botanic Gardens, Kew), Dr Tim Barraclough (Imperial College), Dr Darren Crayn (Royal Botanic Garden, Sydney), and Mr Ian Hutton (Lord Howe Island)

The origin of species diversity has challenged biologists for over two centuries. Charles Darwin recognized that allopatry, species divergence resulting from geographical isolation, is a driving force of speciation, but he also thought populations could diverge into separate species in the absence of geographical isolation, a mechanism now called sympatric speciation. Last year, Savolainen and colleagues provided complete evidence for sympatric speciation in a case study of two species of palm (Howea) on a remote oceanic island, Lord Howe Island (LHI), Australia (Savolainen & al. 2006. Sympatric speciation in palms on an oceanic island. Nature 441: 210-2133). Natureï¿½s own coverage of this paper claimed that ï¿½[Lord Howe] Island hosts double boost for evolutionary theoryï¿½ and that experts say ï¿½the big question now is whether sympatric speciation is widespread or rareï¿½. Here the investigation will be broadened to other vascular plants of LHI with the aim to evaluate whether this evolutionary phenomenon is more common than previously thought.

LHI is a minute subtropical island of less than 12 km2, situated 580 km off the eastern coast of Australia. The island was formed by volcanic activity 6.4-6.9 my ago. LHI and thus it is an ideal site on which to test the four criteria for sympatric speciation: 1) species sympatry, 2) sister relationships, 3) reproductive isolation, and 4) that an earlier allopatric phase is highly unlikely. Numerous plant genera, like Howea, are represented by more than one endemic species on the island, which may well be products of sympatric speciation. The student will look at new pairs/groups of endemics:

(i) The student will combine existing DNA sequence data from GenBank with new data collected and produced during the project to reconstruct evolutionary relationships for five pairs/groups of endemic taxa. (ii) During fieldwork, the student will also document species sympatry and habitat variables at a fine scale. (iii) The signature of the modes of speciation will be studied with AFLP genome scans

URGENT To apply: Please send a letter of motivation, full CV and contact details of two referees ï¿½ as a single pdf file ï¿½ to v.savolainen@kew.org asap. For informal enquiries, please email VS or call on 020 8332 5366. We should hire a student this month (September).

V.Savolainen@kew.org

IowaStateU EvolAgricPests

Two graduate assistantships (M.S. or Ph.D.) are available in the Department of Entomology at Iowa State University (<http://www.ent.iastate.edu/->http://www.ent.iastate.edu/) to study ecological and evolutionary aspects of interactions between agricultural pests and genetically modified, insect-resistant crop varieties, with the goal of enhancing pest management and sustainability of agriculture. Students may pursue degrees in entomology, or in ecology and evolution through the University's interdepartmental program in Ecology and Evolutionary Biology (<http://www.grad-college.iastate.edu/EEB/->http://www.grad-college.iastate.edu/EEB/). Degrees also may be earned in both areas of study simultaneously. Successful applicants will preferably begin enrollment during 2008 (spring, summer, or fall). Interested individuals should send a cover letter describ-

ing research interests and career goals, the names and contact information of 3 references, and a curriculum vitae to Aaron Gassmann (gassmann@ag.arizona.edu). Although electronic applications are preferred, application materials may also be mailed to Dept. Entomol., Univ. Arizona, Tucson, AZ 85721. Review of applications will begin immediately and will continue until the positions are filled.

gassmann@Ag.arizona.edu

LaurentianU MolEvol

Graduate Student Position: The Molecular Evolution of Metabolic Enzymes and Networks

The Merritt Lab, Laurentian University Department of Chemistry and Biochemistry

A graduate position to study the molecular evolution of metabolic enzymes and networks is available in the Merritt lab in the Department of Chemistry and Biochemistry, Laurentian University (http://-/web.mac.com/tjsmerritt). The position is for either a MSc or PhD student to start January or September 2008. My lab studies the NADP(H) enzyme network in Drosophila melanogaster and related species. These enzymes form a small, discrete, network that supplies reducing power for lipid synthesis and detoxification. Current projects in the lab use naturally occurring and laboratory generated genetic variation, sequence comparisons and direct experimentation to quantify interactions between enzymes and downstream phenotypes. My research program also examines changes in biochemistry that result from genetic variation and the physiological impact of these changes. The successful applicant will be expected to build on current projects and develop projects of their own, especially targeting novel phenotypes impacted by the NADP(H) network and functional variation across species. Student interactions and collaborations across both the Departments of Chemistry and Biochemistry and Biology will be encouraged.

Laurentian University is a bilingual institution offering courses in both French and English and a rich multicultural environment located in Northern Ontario. The city of Sudbury is one of the globeâs greatest ecological recovery stories. The greater Sudbury area includes over 300 lakes and offers immediate access to wilderness and outdoor recreation activities.

Applicants should independently motivated, have a good academic record, and have demonstrated both an interest and aptitude for research. Please send applications with one page CV including contact information for two references to Thomas Merritt (tmerritt@laurentian.ca), Department of Chemistry and Biochemistry, Laurentian University.

Thomas Merritt Assistant Professor Department of Chemistry and Biochemistry Laurentian University 935 Ramsey Lake Road Sudbury, Ontario P3E 2C6 CANADA e-mail: tmerritt@laurentian.ca phone:705-675-1151 ext. 2189

tmerritt@laurentian.ca tmerritt@laurentian.ca

LosAlamos InfluenzaEvol

Division: Theoretical Division Organization: T-10 Series/Level: Undergraduate Clearance Level: None

Summary: Los Alamos National Lab's Theoretical Biology and Biophysics group (T-10) is seeking two students or recent graduates to join a team responsible for a rapidly developing database and web site (http://-www.flu.lanl.gov). The selected candidates will work as a member of the Influenza Sequence Database team and will be responsible for maintaining and extending the website and database search and analysis. The selected candidates will responsible for either front- end work or perl modules and database queries.

Front end work is in html (dhtml or xhtml), css and javascript. Note that much of the presented html is prepared in perl. This work will include site maintenance, updates and enhancements. Talents in visual presentation, design, and HCI would be very welcome.

Perl work will be writing software to automate gathering and checking of data; maintaining and improving existing web tools (alignments, trees, db functions); building new tools as user requirements dictate; interacting with database users to provide help and gain an understanding of user requirements.

The successful candidates must be able to be productive immediately, to enable the team to meet the demands of this rapidly evolving project.

Required Skills Demonstrated strong interest in development of software solutions for analysis of genetic data. Experience developing or maintaining database-driven websites in Perl and mod_perl (SQL required) or experience with HTML (XHTML or DHTML a plus),

javascript and CSS. Demonstrated ability to work independently and as part of an existing team. Effective oral and written communication skills. Experience using Linux and UNIX-like systems. Demonstrated ability to solve problems creatively, thoroughly, accurately, and efficiently.

Desirable Skills Biology background and/or experience in analysis of genetic data. Experience developing complex, publicly accessible web sites. Demonstrated experience with software version control systems and code management Demonstrated experience with bug/issue tracking software. Experience with WWW human-interface and usability issues. Demonstrated experience with relational database design and development.

To apply please send resume (including descriptions of relevant work) to mawg@lanl.gov

Information about our project and division http://-www.flu.lanl.gov/ http://www.t10.lanl.gov/ Salary and student program information can be found http:/-/www.lanl.gov/education/undergrad/salary.shtml http://www.lanl.gov/education/grad/salary.shtml http://www.lanl.gov/education/jumpstart/-programs.shtml mawg@lanl.gov mawg@lanl.gov

MaxPlanck Plon 2 ThereticalBiol

2 PhD positions in Theoretical Biology

Two positions for PhD students are available at the Max-Planck Institute for Evolutionary Biology in Plön in the newly established junior research group for Theoretical Biology, funded by the Emmy- Noether program of the DFG. The group develops mathematical models for biological systems, ranging from the evolution of cooperation to mathematical models for cancer development. Current research interests include evolutionary game theory, group selection, general aspects of evolutionary dynamics and mathematical models for blood disorders.

Successful applicants have a profound interest in biology and a strong background in theoretical physics, mathematics, computer science, computational biology, or a related field. They have demonstrated experience in modeling biological systems. Salary is based on TVöD 13/2.

The Max-Planck Institute for Evolutionary Biology (former MPI for Limnology) is located in Plön, a small town in a beautiful postglacially shaped landscape with all the amenities of a touristically active area. The Baltic sea and the major cities Kiel and Lübeck are only 30 minutes away. The working language at the institute is English. The independent junior research group will be established in addition to the departments of Evolutionary Ecology (Prof. Dr. Milinski) and Evolutionary Genetics (Prof. Dr. Tautz).

A list of related publication is available at http://www.fas.harvard.edu/~traulsen/ The usual application material, including a CV and at least one letter of reference, should be sent in pdf format to traulsen@mpil-ploen.mpg.de. Please feel free to contact me if you need additional information.

Dr. Arne Traulsen Max-Planck Institute for Evolutionary Biology August-Thienemann-Str. 2 24306 Plön Tel. ++49 4522 763 255 Germany

The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply. The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

Arne Traulsen <traulsen@mpil-ploen.mpg.de>

McGillU PlantEvolution

Ph.D. Position at McGill University, Montreal

I am seeking a motivated and independent student to study the evolution and breakdown of self-incompatibility in the plant genus Leavenworthia. This work involves a combination of lab and field studies, and is part of a 5-year NSERC-funded study. Molecular lab experience is an asset. The Biology Department at McGill University is a vibrant and interactive group of staff, graduate students, and post-docs with expertise is all aspects of ecology, evolution, and conservation biology. Montreal is a safe, bilingual, and cosmopolitan city. This position is open to students from both inside and outside of Canada. Please contract me for details at:

Daniel.Schoen@McGill.CA. Include in your e-mail message a short description of your educational background and qualifications. I will be happy to provide details about formal application procedures for the graduate program at McGill.

daniel.schoen@mcgill.ca

NetherlandsInst 2 EvolEcol

The Netherlands Institute of Ecology (NIOO-KNAW) is a research institute of the Royal Netherlands Academy of Arts and Sciences (KNAW). It comprises three centres: the Centre for Estuarine and Marine Ecology in Yerseke, the Centre for Limnology in Nieuwersluis, and the Centre for Terrestrial Ecology in Heteren. Mission of the NIOO-KNAW is to carry out fundamental and strategic research in ecology.

The Department of Animal Population Biology at the Centre for Terrestrial Ecology is offering

2 PHD POSITIONS IN EVOLUTIONARY ECOLOGY (m/f) Vacancy number CTE-PVD-07329

Job description: Both PhD positions are part of the NWO-VICI project "Adapting to a warmer world: phenology, physiology and fitness". In this project, we study selection on phenotypic plasticity in timing of reproduction in great tits in relation to global climate change. There are five integrated subprojects ranging from quantitative genetics, population dynamics and reproductive physiology to genomics. For two of these subprojects we are looking for PhD candidates.

PhD position 1: "The mechanism underlying plasticity: cues" Variation in plasticity of reproduction may be explained by among-individual variation in how cues, such as photoperiod and temperature, are used. This subproject will therefore link the observed quantitative genetic variation in laying date reaction norms to variation in sensitivity to photoperiod and temperature. We will breed offspring from wild parents with known reaction norms in our unique facility of 36 climatised aviaries and keep them under various photoperiod and temperature regimes. We will measure gonadal development and laying dates to determine the variation in photoperiodic thresholds, circannual period length of the seasonal clock and temperature sensitivity.

PhD position 2: "The mechanism underlying plasticity: cost of reproduction" Variation in plasticity of reproduction may be explained by among-individual variation in the ability to obtain resources for egg production. This subproject will therefore determine whether the observed quantitative genetic variation in laying date reaction norms is related to among-individual variation in the cost of egg production and incubation in early spring. We will carry out field experiments to determine whether individuals with shallow reaction norms advance their laying dates more strongly under food supplementation than birds with genetically steep reaction norms. Furthermore, we will manipulate laying dates and measure variation among individuals in Daily Energy Expenditure (DEE) during egg laying and incubation.

Requirements: We are looking for enthusiastic candidates with a Master in Evolutionary Ecology or Animal Ecology, and with an affinity for reproductive physiology.

Appointment: The appointment will be on a temporary basis for a maximum of 4 years. The gross salary starts at Euro 1.956,- per month in the 1st year, and will gradually increase to a maximum of Euro 2.502,- per month in the 4th year, scale P, Collective Agreement for Dutch Universities (CAO-Nederlandse Universiteiten), excluding 8% holiday pay and a year-end bonus. We offer an extensive package of fringe benefits.

Information: Additional information about these positions is available upon request from Prof. Marcel E. Visser (m.visser@nioo.knaw.nl or +31-26-4791253), head of department Animal Population Biology. More information about the NIOO can be found on our website (www.nioo.knaw.nl).

Applications: Please send your application including complete curriculum vitae and names of three referees to Prof. Marcel E. Visser at NIOO-KNAW, P.O. Box 40, 6666 ZG Heteren, The Netherlands or g.giesen@nioo.knaw.nl.The closing date for application is 19 October 2007, and the interviews will take place in the last week of October.

Prof Dr Marcel E. Visser Head of Department Animal Population Biology Netherlands Institute of Ecology (NIOO-KNAW) P.O. Box 40 6666 ZG Heteren The Netherlands

Phone: +31-26-4791253 Fax: +31-26-4723227 E-mail: m.visser@nioo.knaw.nl

Website: www.nioo.knaw.nl Personal page: www.nioo.knaw.nl/ppages/mvisser "Visser, Marcel" <M.Visser@nioo.knaw.nl>

SouthernIllinoisU SturgeonConservationGenetics

Graduate Position - Sturgeon Conservation Genetics

A Ph.D. research assistantship including stipend and full tuition waiver is available to begin January 2008 in the laboratory of Dr. Ed Heist at Southern Illinois University Carbondale (SIUC). The project will involve the use of morphology and molecular markers for studies of hybridization, species discrimination, and molecular ecology in river sturgeons of the genus Scaphirhynchus in relation to conservation of the endangered pallid sturgeon (S. albus). This project will form part of a doctoral dissertation in the SIUC Department of Zoology (http://www.science.siu.edu/zoology/). The ideal candidate will have prior experience with molecular genetics techniques (e.g. DNA sequencing and/or cDNA library construction) and will have an interest in the use of molecular genetics in conservation. Interested students should send a brief letter describing interest and qualifications (including cumulative GPA and GRE scores) to Dr. Ed Heist at edheist@siu.edu.

Edward J. Heist, Ph.D. Department of Zoology Southern Illinois University Carbondale Life Sciences II, 1125 Lincoln Drive Carbondale, IL 62901-6511 Voice: (618) 453-4131 Fax: (618) 453-6095 email: edheist@siu.edu web: http://www.science.siu.edu/zoology/heist/index.html edheist@siu.edu edheist@siu.edu

StAndrewsU MeasuringBiodiversity

St Andrews Studentship in Statistical Ecology: measuring biodiversity

This PhD studentship will be within the National Centre for Statistical Ecology, a joint research centre between the Universities of Kent, Cambridge and St Andrews, and will be based at St Andrews in Scotland.

Nearly 200 countries have signed up to the goal of reducing the rate of loss of biodiversity by 2010. This raises the question of how regional biodiversity should be measured. Without suitable measures and associated precision estimates, we cannot assess whether the ï¿½2010 targetsï¿½ have been met. However, most biodiversity study sites are unrepresentative and incapable of delivering estimates of regional biodiversity. Further, the impact of variable detectability or trappability among species and across sites on biodiversity measures is typically ignored.

In this project, the student will review existing biodiversity measures, and assess their relevance to the 2010 targets. Shortcomings will be identified, and better methods developed. Survey design will also be reviewed, and recommendations made for future survey schemes.

The studentship covers home fees and the standard research council stipend for 3 years. It is open to any applicant, but applicants from outside the European Union will need to seek additional funding to cover the difference between home and overseas fees. Applicants should have a first degree in statistics, or in a related discipline with a strong quantitative component. Start date is negotiable, but should be between October 2007 and October 2008.

If interested please contact Professor Steve Buckland - steve@mcs.st-and.ac.uk

aem1@st-andrews.ac.uk

SyracuseU EvoDevo

Ph.D. Opportunities in Evolutionary Developmental Biology (Evo-Devo)

Albertson Lab, Department of Biology, Syracuse University

We are looking for exceptional students interested in studying the evolution of developmental mechanisms. Ph.D. positions are available for Fall 2008. Funding is guaranteed through teaching assistantships, with additional funding (i.e., research assistantships) pending. Successful applicants will be able to participate in a variety of ongoing and future projects aimed at understanding the evolution of skeletal patterning. Several vertebrate taxa are currently being studied in the lab, including zebrafish, African cichlids and Antarctic icefishes. The approach of the lab is to integrate studies in a laboratory model (i.e., zebrafish) and natural populations (i.e., cichlids) to understand the evolution of animal form and function. Methods of study include comparative embryology, developmental and molecular genetics, quantitative genetics, and morphometric shape analysis.

For more information about specific projects in the lab please visit my website at http://albertsonlab.syr.edu/-research.html . Faculty in the Biology Department at Syracuse University have a broad array of interests ranging from molecular, cellular and developmental biology to ecology and evolution. Furthermore, the close

proximity of SU to several other excellent institutions including SUNY Environmental Science and Forestry, SUNY Upstate Medical Center, Cornell University and the University of Rochester, contributes to a strong and vibrant intellectual community that will facilitate a great graduate experience.

All prospective students are encouraged to contact Dr. Craig Albertson via e-mail (rcalbert@syr.edu) and to complete a free on-line pre-application form available at http://biology.syr.edu/graduatestudies/-graduatepreapp.html For Fall 2008 admittance, formal graduate applications should be received in early January 2008.

R. Craig Albertson Assistant Professor Department of Biology Syracuse University 130 College Place Syracuse, NY 13244

Office: 315-443-8106; Lab: 315-443-8193 Fax: 315-443-2012 rcalbert@syr.edu

http://biology.syr.edu/albertson

R Craig Albertson <rcalbert@syr.edu>

UACoruna MothConservationGenetics

PhD position in conservation genetics

Topic: Conservation genetics of the protected moth Graellsia isabelae Location: A Coruna (NW Spain) and Orléans (France)

The PhD project is focused on Graellsia isabelae (Graëlls, 1849) a moth (Lepidoptera: Saturniidae) distributed mainly in Spain, with a few small populations in France and Switzerland. It is highly protected at both national and international level. However, there is neither genetic nor population data which would allow to set up a suitable conservation plan for this species. The PhD student will use newly developed microsatellite markers and DNA sequence data to define Evolutionary Significant Units by studying intraspecific genetic variability, population genetic structure and divergence.

The project is supervised by Dr Marta Vila and Dr Horacio Naveira, University of A Coruna (Spain) and Dr Carlos Lopez-Vaamonde (INRA Orléans, France). It is funded for 4 years by the Spanish Ministry of Education and Science (FPI program, 2 years fellowship + 2 years working contract). Salary for the first two years (fellowship, no taxes) is 13,440 euros per year. The salary increases to 16,100 euros per year for the third and fourth year (contract, before taxes). The project will be based in A Coruna, while some important experiments will be performed in Orléans.

Requirements for the position: (i) high motivation, (ii) a good academic record, (iii) fluency in both English and Spanish, (iv) driving licence, (v) willingness to spend long periods in the field (French Alps and Spanish sierras). A good level of French, knowledge of population genetics as well as prior experience in the field (e.g., capture-mark-recapture) and laboratory (i.e., DNA sequencing, microsatellite genotyping) will be highly valued. Women are especially encouraged to apply.

Please send applications with one page CV including contact information for two references to Marta Vila (marta.vila.taboada@gmail.com). Please write PhD application“ as the e-mail subject when applying. Use the above e-mail address for any informal query about the position. Applications must be received by October 31, 2007. Start of position: June-July 2008.

– Carlos Lopez Vaamonde

Institut National de la Recherche Agronomique (INRA) - Centre d'Orléans Unité de Zoologie Forestière 2163 Avenue de la Pomme de Pin BP 20619 Ardon, 45166 Olivet CEDEX, France Tél: +33 (0) 2 38 41 78 61 Fax: +33 (0) 2 38 41 78 79 e-mail: carlos.lopez-vaamonde@orleans.inra.fr http://-/www.orleans.inra.fr/les_unites/zoologie_forestiere/-personnel/lopez_vaamonde_carlos Carlos.Lopez-Vaamonde@orleans.inra.fr Carlos.Lopez-Vaamonde@orleans.inra.fr

UAkron EvolBiol

for GradStudentPositions:

Assistantships are available for students (both M.Sc. and Ph.D.) in my newly forming lab group in ecology and evolution at the University of Akron beginning in January 2008. Both teaching and research assistantships are available, depending on qualifications, and additional funding is available to cover research costs. My primary interests are in the mechanisms and evolution of colorful plumage and antimicrobial defenses in birds (see the papers available on my website (http://nature.berkeley.edu/˜mshawkey) for examples), and I use a wide variety of techniques to address

questions such as the mechanisms of structural plumage color production and the effects of incubation on microbial assemblages of eggs. I am, however, open to other ideas and taxa. Research projects can be field- or lab-based, or both, and could potentially involve work in the tropics. I will have equipment and training available for spectrometry, molecular work, light and electron microscopy, microbiology and pigment and protein quantification, as well as fieldwork. Our department is rapidly growing and the new Integrated Biosciences Program (http:// www.uakron.edu/id/ib) offers exceptional opportunities to those students interested in incorporating elements of the physical sciences into their work. Akron is a nice place to live, with a low cost of living and national parks and cultural amenities nearby. Interested students should be highly motivated, have strong interests in research and ideally be able to begin studies by fall semester 2008.

Please introduce yourself to me (Matthew Shawkey) by email at mshawkey at nature(dot)berkeley(dot)edu. Let me know what your research interests and experience are, as well as your GPA and GRE scores if available. For further information on the biology department at U. Akron, see http:/-/www.uakron.edu/biology . Matthew Shawkey <mshawkey@nature.berkeley.edu>

UAmsterdam CropHybridization

The University of Amsterdam is looking for an enthusiastic PhD-student with an MSc or equivalent degree in biological sciences for a challenging, multidisciplinary position "An ecological analysis of the introgression process between wild (Lactuca serriola) and cultivated lettuce (L. sativa): environment-specific effects and stress sensitivity".

The offered position is part of the collaborative project "Introgression of crop (trans-)genes into wild relatives: hybrid fitness, background selection and hitchhiking".

The desired PhD-student has previously been working in plant ecology, evolutionary biology or plant physiology and gained experience with planning and analysis of (field) experiments. Affinity with molecular marker techniques and/or ecological modeling is preferable. Proficiency in English (oral and written) and good social skills are of course indispensable. Please note the short-term deadline to apply (18-09-2007).

The PhD-student will study the fitness of several generations of hybrids under various conditions, both in the greenhouse and in the field. In this way, the selection process on parts of the genome originating from the crop can be followed when combined with molecular-genetic analyses. The PhD-student will plan (both theoretically and practically) and conduct a range of experiments and analyze the results. In cooperation with a PhD-student at Wageningen University, these results will be joined with molecular data performing a series of QTL-analyses.

Remuneration: Estimate maximum salary per month 1956,- in the first year rising to 2502,-. Duration of the contract: for a period of one year with extension of three years after a positive evaluation of the first year.

Location: Universiteit van Amsterdam, Institute for Biodiversity and Ecosystem Dynamics, IBED (http://-www.science.uva.nl/ibed)

Information and publications: Dr. Ir. Danny A. P. Hooftman (hooftman@science.uva.nl, +31 20 5257817).

Application: The position is open until 18-09-2007. Please note this short-term deadline!!! Please include (i) a CV, (ii) letter of motivation and (iii) two references to your application.

Please apply for this position by e-mail to: Prof. dr. P.H. van Tienderen Head of the Experimental Plant Systematics group Insititute for Biodiversity and Ecosystem Dynamics Universiteit van Amsterdam. tienderen@science.uva.nl

D.A.P. Hooftman, Ph.D. Institute for Biodiversity and Ecosystem Dynamics, Universiteit van Amsterdam Kruislaan 318 1098 SM Amsterdam The Netherlands email: hooftman@science.uva.nl Tel: +31.20.525.7817 Fax: +31.20.525.7832 Homepage: http://remote.science.uva.nl/ ˜ hooftman/ hooftman@science.uva.nl hooftman@science.uva.nl

UBern PlantInvasionBiol

Two PhD positions in plant invasion biology at the University of Bern, Switzerland

We are seeking two PhD students highly motivated to work on determinants of plant invasiveness. The work will involve experimental assessment of establishment success of horticultural species, and comparative multi-species experiments to assess the life-history traits and extrinsic factors associated with establishment success. Ideally, the candidates for these two positions should

have a background in experimental ecology and basic knowledge of statistical methods (including generalized linear models).

The positions will be with Dr Mark van Kleunen and Prof. Dr Markus Fischer in the Plant Ecology group at the Institute of Plant Sciences of the University of Bern (http://www.botany.unibe.ch/planteco/-index.php), Switzerland.

We offer a stimulating research environment in a beautiful city close to the Alps. In addition to projects on invasive plants, our group is involved in projects on evolutionary and molecular plant ecology, plant population biology and community ecology. The positions are funded by the Swiss Science Foundation (NSF-NRF for a period of three years starting on January 1, 2008. Salaries rise from CHF 34 200 in the first year to CHF 40 200 in the third year.

Requirements for the positions include a Masters degree (or equivalent) in biology, a drivers license, fluency in German and English and good collaboration skills.

Applicants should e-mail a letter of application, a curriculum vitae and contact details of two references to Mark van Kleunen at vkleunen@ips.unibe.ch <mailto:vkleunen@ips.unibe.ch>. In the letter of application, the applicant should motivate why she or he wants to do a PhD and why she or he wants to work on plant invasions. The applicant should also present details on her or his experimental and statistical skills. The application deadline is October 1, 2007.

For more information on these positions, the project and research in our lab contact Mark van Kleunen at vkleunen@ips.unibe.ch <mailto:vkleunen@ips.unibe.ch>.

Mark van Kleunen Institute of Plant Sciences University of Bern Altenbergrain 21 3013 Bern Switzerland Phone Tel. +41 31 631 49 23 Fax +41 31 631 49 42

e-mail vkleunen@ips.unibe.ch

Mark van Kleunen <mark.vankleunen@ips.unibe.ch>

UCalgary EvolEcol

I am looking for two highly motivated students for September 2008 (possibly earlier) at the PhD or MSc level who can add to the Vamosi research group at the University of Calgary with their enthusiasm, expertise, and willingness to approach complex systems. In my lab, we focus on the study of factors affecting community structure in aquatic organisms, long-term evolutionary consequences of enemy-victim interactions, and breeding systems in flowering plants.

One position is for an experimental/observational field project, further exploring the factors (notably predators) affecting the coexistence of predaceous diving beetles. Field work would take place either in Alberta or coastal British Columbia. This work would be carried out within the broader framework of phylogenetic community structure, and could possibly involve the application of molecular techniques to better resolve our understanding of the relationships among congeneric species.

The second position is for a laboratory evolution project. The student would work with granivorous insects and their enemies in the lab, documenting evolutionary responses in the prey populations to the presence of enemies under varying resource settings.

For more on ongoing research and prior publications in these areas, please visit my homepage: <http:/-/homepages.ucalgary.ca/ ˜ smvamosi/> . Guaranteed funding of at least $19,000 CAD/year for 4 years (PhD) or 2 years (MSc) is available through a combination of teaching and research assistantships. Applicants are encouraged to apply for available scholarships and fellowships. Canadian citizens should definitely explore the possibility of applying for NSERC graduate awards.

The Department of Biological Sciences at the University of Calgary has a strong and growing group of ecologists and evolutionary biologists; see <http://-www.bio.ucalgary.ca/>. Calgary is a city of one million people located a short drive from the beautiful Canadian Rockies and offering excellent opportunities for both field research and recreation. Contrary to popular press, most of us don't wear cowboy hats and boots on a daily basis.

If interested in either position please contact me by email and attach a copy of your CV & a brief statement of your research interests/goals.

Best, Steve

Dr. Steven M. Vamosi Department of Biological Sciences, University of Calgary http:/-/homepages.ucalgary.ca/ ˜ smvamosi/ smvamosi@ucalgary.ca smvamosi@ucalgary.ca

UFribourg EvolBiol

PhD position in evolutionary biology

Project: The genetic basis of inbreeding depression in Daphnia

Supervision: Christoph Haag, University of Fribourg, Switzerland

A PhD position is available in the newly established research group of Christoph Haag. I am looking for a highly motivated candidate with interests in the fields of evolutionary biology and population genetics. The PhD projects is concerned with genetic basis of inbreeding depression in Daphnia and will involve experimental work on Daphnia, analyses of genetic markers, and, potentially, field work. Details of the project will be worked out with the candidate, to accommodate interests and strength.

The starting date is negotiable (any time from November 2007 onwards). Funding from the Swiss National Science Foundation is for three years (annual salary is ca. CHF 35000). Knowledge of French or German is helpful in every day life, but the working language in the group is English. A Diploma or Masters degree (or equivalent) in biology or related subject is necessary for admission. Fribourg is a lively town with over a quarter of the population being students.

To apply, please send an e-mail with the application materials in a single pdf file to Christoph Haag. Application materials should include a CV, a list of publications, and a short (less than one page) statement of research interests. Please give names and email addresses of two persons who are willing to write a letter of recommendation. Applications received before 7 October 2007 will be given full consideration. Interviews will take place in late October.

Further information and address for application: Dr. Christoph Haag E-mail: christoph.haag@unifr.ch, Tel: +41 26 300 88 71 Web: http://www.haagliautard.net/-christoph_haag.htm For more information about the Ecology and Evolution in Fribourg see http://-www.unifr.ch/biol/ecology/ christoph.haag@unifr.ch christoph.haag@unifr.ch

UGhent EvolAltruisticBehaviour

PhD student position: University of Ghent / Leuven (Belgium) Sociogenomics and proteomics of altruistic behaviour in the honeybee

We are looking for a highly motivated PhD student to work on a genomics project aimed at uncovering the genetic basis of altruistic behaviour in the honeybee (worker sterility), and other behaviours that help to maintain this altruism (policing behaviour).

The actual work will involve detailed behavioural observations on honeybee colonies with individually marked workers, followed by microarray, quantitative RT PCR analyses and RNAi experiments. For carrying out the behavioural observations, the successfull candidate would be based primarily in the Zoophysiology group in Ghent, Belgium (Dr. Dirk de Graaf, http://www.zoofysiologie.ugent.be/), where they have excellent facilities for working with honeybees, but the project will also involve collaboration with Dr. Tom Wenseleers (Laboratory of Entomology, University of Leuven, http://bio.kuleuven.be/ento/wenseleers/-twenseleers.htm), Prof. Liliane Schoofs and Dr. Peter Verleyen (Functional Genomics and Proteomics Group, University of Leuven, http://bio.kuleuven.be/-df/LS/) and Prof. Francis Ratnieks (University of Sheffield / Sussex, http://www.lasi.group.shef.ac.uk/-flwrpub.html).

Candidates should have a strong backrgound in evolution or genetics. Prior research experience with honeybees and/or genomics would be a bonus. At a later date one or two PhD students will also join the project to carry out complementary proteomic and peptidomic analyses. Funding for both salary and consumables for 3 to 4 years is available through a grant from the Fund for Scientific Research Flanders. The projected starting date is January 2008. All nationalities are eligible. For more information please contact Tom Wenseleers at tom.wenseleers@bio.kuleuven.be or Dirk de Graaf at dirk.degraaf@ugent.be.

– Dr. Tom Wenseleers (postdoctoral researcher) Laboratory of Entomology Zoological Institute Catholic University of Leuven Naamsestraat 59 3000 Leuven Belgium http://www.kuleuven.ac.be/-bio/ento/wenseleers/twpub.htm Tom Wenseleers <Tom.Wenseleers@bio.kuleuven.be>

ULausanne EvolMicrobiology

PhD student position, University of Lausanne, Switzerland

Evolutionary microbiology of staphylococci

(I apologize for cross-posting) A PhD student position is available at the Department of Fundamental Microbiology, University of Lausanne under joint supervision of Dr. Olga Sakwinska and Prof. Philippe Moreillon. The work in the lab concentrates on microbial pathogenesis, microbial cell wall function, as well as testing of antimicrobial agents and development of alternative treatments. Diverse approaches are used, including experimental infection, genomics and proteomics. The focus is on gram positive bacteria, and in particular /Staphylococcus aureus/. Recently, Dr. Sakwinska initiated project focusing on evolutionary and ecological interactions among staphylococci (for more details see http://www.unil.ch/dmf/page28596.html). Within this framework, different projects can be done with a focus on molecular, ecological or epidemiological questions and techniques, depending on the skills and preferences of the applicant.

The Department of Fundamental Microbiology at the University of Lausanne is a highly interactive, international research and study environment (see www.unil.ch/dmf). Neighboring Departments of Ecology and Evolution and Centre of Integrative Genomics provide diverse intellectual expertise and technical support (see http://www.unil.ch/cig/ and http://-/www.unil.ch/cig/). Located on the shore of Lake Geneva, Lausanne is an attractive city with a diverse cultural offer, while the proximity of the Alps and Jura mountains opens countless opportunities for outdoor activities. The salary is 40000-45000 CHF per year (brut). Applicants must have a university degree in the natural sciences which allows entering a PhD program (typically a Masters degree), and very good organizational, analytical and writing skills. Background in molecular biology/microbiology and at least basic knowledge of bioinformatics are required. Candidates with interest in evolutionary genetics/genomics are particularly welcome. Good knowledge of English (both spoken and written) is essential for research activities. Although no preexisting knowledge of French is required, willingness to learn some will make life both at and outside the Department much easier. All PhD students are enrolled in doctoral school of Faculty of Biology and Medicine (for more info: http://-/www.unil.ch/fbm/page35108_en.html) The starting date is AS SOON AS POSSIBLE, preferably in November 2007. To apply, send a CV, a short description of research experience and interest, and names and email addresses of two referees to olga.sakwinska@unil.ch <mailto:olga.sakwinska@unil.ch>

Dr Olga Sakwinska Department of Fundamental Microbiology Biophore CH-1015 Lausanne Switzerland http://www.unil.ch/dmf/page28596.html Tel +41216925610 Fax +41216925605

Olga.Sakwinska@unil.ch Olga.Sakwinska@unil.ch

ULethbridge PopulationDivergence

A graduate assistantship (M.Sc. or Ph.D.) is available in the laboratory of Dr. Theresa Burg at the University of Lethbridge in molecular ecology starting Jan or May 2008.

I am looking for a highly motivated graduate student to work with me on the study of large-scale population divergence in a number of systems centering on vertebrate species. There are opportunities for both laboratory and field-based research, although all projects involve the use of high-throughput DNA-based methodologies. Please visit my website for further details:

http://people.uleth.ca/ ˜ theresa.burg . Candidates should have a strong undergraduate background in evolution, ecology and genetics. Prior research experience with molecular techniques is desirable but not required. For more information contact Theresa Burg at theresa.burg@uleth.ca. The application deadline for Jan 2008 admission is Oct 1 and May 2008 is March 1.

The Biology Graduate Program at the University of Lethbridge offers research-based M.Sc. and Ph.D. degrees in a collegial setting. Our faculty and students are engaged in a variety of research projects, many in collaboration with partners in government, non-profit agencies, or industry. Our mission is to train students to be leaders in identifying and addressing biological questions at multiple levels of investigation from the molecular to the ecosystem.

Lethbridge is an attractive city of 70,000 situated in Southern Alberta, close to National Parks and Wilderness areas of the Rocky Mountains and Cypress Hills.

theresa.burg@uleth.ca

ULeuven AntAphidEvolution

PhD student position: University of Leuven, Laboratory of Entomology (Belgium) The evolution of ant-aphid mutualisms

We are looking for a highly motivated PhD student to join the Laboratory of Entomology at the University of Leuven, Belgium (http://www.kuleuven.be/-bio/ento) to work on a project on the trophic mutualism between black bean aphids and the black ant Lasius niger. One of the aims of the project is to determine what factors keep the mutualism stable (e.g. sanctioning mechanisms). The actual work will involve behavioural observation, HPLC analyses (to determine honeydew sugar composition) and genetics. Most of the project would be carried out under the supervision of Dr. Tom Wenseleers (http://bio.kuleuven.be/ento/-wenseleers/twenseleers.htm).

Candidates should have a strong background in evolution or genetics. Prior research experience in working with ants and/or aphids would be a bonus. Funding for both salary and consumables for 3 years is available through a grant from the Fund for Scientific Research Flanders. The project will run from 1 January 2008 to 31 December 2010. All nationalities are eligible. For more information please contact Tom Wenseleers at tom.wenseleers@bio.kuleuven.be.

– Dr. Tom Wenseleers (postdoctoral researcher) Laboratory of Entomology Zoological Institute Catholic University of Leuven Naamsestraat 59 3000 Leuven Belgium http://www.kuleuven.ac.be/-bio/ento/wenseleers/twpub.htm Tom Wenseleers <Tom.Wenseleers@bio.kuleuven.be>

UMontreal BehaviouralGenomics

Graduate Studies Opportunities in Integrative Biology and Genomics of Behaviour

Aubin-Horth lab, Department of Biological sciences, Université de Montréal

We are looking for exceptional students interested in studying the molecular mechanisms of behaviour in vertebrates. Ph.D. and M. Sc. positions are available for Fall 2008. Possibilities exist to apply for graduate fellowships with FQRNT (Quebec) and NSERC (Canadian resident) this Fall (deadline October 5th). Funding is also available directly from the lab. Successful applicants will be able to participate in a variety of ongoing and future projects aimed at understanding the functional links between gene expression variation and behaviour. Biology, biochemistry and bioinformatics students are all encouraged to apply.

Several African cichlid fish and North American species are currently being studied in the lab, varying in their social and reproductive systems. For these different species, we know a lot about their ecology and evolution, but we know much less about the molecular and endocrine mechanisms that underlie individual variations within each species in behaviour, morphology, physiology and life histories. In our group, we use an integrative approach combining functional genomics (microarrays, quantitative real time PCR), endocrinology (pharmacological manipulations, EIA), evolution and behavioural biology. A position in our research group therefore provides a unique experience combining research at the organismic and molecular levels.

Université de Montréal is located in Montreal, the second-largest city in Canada and the third-largest French-speaking city in the world. Université de Montréal is one of the ten main research universities in the country. Graduate studies at Université de Montréal can be conducted in English or French.

All prospective students are encouraged to contact Dr. Nadia Aubin- Horth via e-mail

n.aubin-horth(at)umontreal.ca

For graduate fellowship applications, contact should be made immediately as deadline to submit an application is October 5th.

Nadia Aubin-Horth <n.aubin-horth@umontreal.ca>

UNaples MolSystematics

Ph.D. Position in ADVANCED BIOLOGY At University of Naples, Italy

A PhD position (3 yrs) is available for a candidate with a strong interest in plant or animal biology. This position is reserved to persons not resident in Italy and that

have obtained abroad the degree required for the admission to the Research Doctorate Programs. Two project options are available: molecular systematics and evolutionary biology. Depending on the option, the project will be developed within one of following items: environmental stress, biodiversity, phylogenies, molecular evolution, morphogenesis of organs and systems in Invertebrates and Vertebrates. We welcome candidates who enjoy team work but are also able to develop and contribute independent ideas. Biology Departments at University of Naples offer a supportive and stimulating environment and state-of-the-art labs, as well as all facilities for research. Naples has a large and very active research community at University of Naples (www.unina.it) dealing with various aspects of organismal and molecular biology. The city also offers excellent quality of life through active cultural programs and infrastructure, as well as an attractive surrounding including the sea and mountains in proximity. The position can start as early as January 2006. To apply, please go to the link http://www.international.unina.it/-documents/DoctorateAdmission.pdf and download the appropriate application form (Form B).

Candidates for reserved positions are selected on an assessment of scientific/academic titles and an oral test. The titles taken into considerations are: 1. university degree; 2. scientific publications, if any; 3. grants and attested frequency at post graduate courses; 4. awards and other scientific/academic titles related to the research activity; 5. letter of presentation by professors or experts in the research field of the candidate. Moreover, candidates must demonstrate a good knowledge of a foreign language chosen from English, French, Spanish and German

secondo.federico@gmail.com

UNevada EnvGenomics

Ph.D. Graduate Assistantships, Environmental Genomics

University of Arkansas and University of Nevada, Las Vegas

Two NSF-funded graduate research assistantships are anticipated to support Ph.D. candidates interested in functional genomics of adaptation. The project involves laboratory and field experiments designed to discover patterns of gene expression in populations of cactophilic Drosophila mojavensis exposed to different host plants in stressful and non-stressful thermal regimes. Our general goals are to uncover whole-genome patterns of gene expression in populations exposed to natural abiotic and biotic stress. Ultimately, we wish to pinpoint clusters of functionally interacting genes expressed throughout the life cycle in different environments, and predict limits of phenotypic plasticity and adaptation, particularly in response to stressful environments and long-term global climate change.

Laboratory experiments will involve DNA microarrays to study gene expression changes due to different host cacti and temperature stresses, as well as differences in epicuticular hydrocarbons. Field- related work will include multiple field trips to Mexico to monitor wild flies, assess demography of wild populations, and analyze cuticular hydrocarbon and RNA profiles. The positions are part of a collaborative project involving the Univ. of Arkansas, Fayetteville, and the Univ. of Nevada, Las Vegas. One research assistantship will be available at each institution.

Applicants must gain admission to the Ph.D. program in the Department of Biological Sciences at the University of Arkansas or the School of Life Sciences at UNLV. Application information is available at http://biology.uark.edu/1251.htm and http://-biology.uark.edu/1251.htm prospective.html. Stipends start at $22.8K/12 months; tuition and benefits are also covered. Supplemental funding is available on a competitive basis for applicants qualifying for Doctoral Fellowships at the Univ. of Arkansas (http:/-/biology.uark.edu/1255.htm). These positions are expected to begin January 2008 (spring semester). The deadline for spring semester applications is November 15, 2007.To apply, please contact us for information and assistance.

William J. Etges Department of Biological Sciences University of Arkansas Fayetteville, AR 72701 USA 479-575-6358 wetges@uark.edu http:/-/comp.uark.edu/~wetges/wetges.html Allen G. Gibbs School of Life Sciences University of Nevada Las Vegas NV 89154 USA 702-895-3203 allen.gibbs@unlv.edu sols.unlv.edu/faculty/gibbs.html

UAF and UNLV are equal opportunity/ affirmative action employers.

wetges@uark.edu wetges@uark.edu

UNotreDame InvasiveSpeciesEvol

NSF-IGERT Fellowships at the University of Notre Dame

GLOBES Interdisciplinary PhD Program

The new GLOBES program at the University of Notre Dame is seeking outstanding students in the biological and social sciences to join our team of faculty and scholars in addressing environmental challenges to human and global health. Launched by funding from an IGERT (Integrated Graduate Education, Research and Traineeship) grant from the National Science Foundation, GLOBES is an interdisciplinary PhD program studying Global Linkages of Biology, the Environment, and Society. By forging teaching and research collaborations among faculty and across departments, GLOBES offers a multifaceted approach to graduate student training.

The goals of the GLOBES program are two-fold. First, GLOBES integrates the collective skills of the University's biologists, social scientists, and legal scholars in a team-based effort to investigate pressing problems in environmental degradation, the evolution and genetics of infectious disease, and the ecological and evolutionary dynamics of the spread of invasive species. Notre Dame faculty involved in GLOBES study topics including speciation, ecological genetics, and the evolutionary consequences of climate change.

Second, GLOBES is dedicated to imparting the next generation of Notre Dame graduate students with the knowledge, technical tools, and real-world experience needed to combat global challenges in socially responsible and ethically sound ways.

Students who have a strong interest in team-based, interdisciplinary studies and environmental research are encouraged to apply. Fellowships, available to U.S. residents and permanent citizens, feature a five-year, generous support package that includes 2.5 years of IGERT stipends in the amount of $30,000 annually, a full waiver of graduate tuition, and research and travel funds.

Application deadlines for Fall 2008 admission vary depending on the home department of study. Participating departments include Biological Sciences (Jan. 5 deadline), Mathematics, Physics, Chemistry and Biochemistry, Economics and Econometrics, History, Philosophy, History and Philosophy of Science, and Theology. Anthropology students (co-advised through Biology) can also participate in GLOBES.

For additional information on application procedures, GLOBES faculty, home Ph.D. departments, and research facilities, visit the GLOBES website at http://-globes.nd.edu <http://globes.nd.edu

Jeffrey L. Feder GLOBES Program Director Department of Biological Sciences University of Notre Dame, IN 46556-0369 E-mail: feder.2@nd.edu Phone: (574) 631-4159 http://globes.nd.edu <http://globes.nd.edu

Virginia Anderson <vanderso@nd.edu>

UOtago ParasiteEvol

PhD SCHOLARSHIP IN ZOOLOGY

DEPARTMENT OF ZOOLOGY, UNIVERSITY OF OTAGO

DUNEDIN, NEW ZEALAND

Evolutionary biology of parasites

Applications are invited from suitably qualified students for one PhD scholarship to work under the supervision of Prof Robert Poulin. The scholarship is part of a research grant from the Marsden Fund awarded to Prof. Poulin and Dr Devon Keeney, and is available as of early 2008 for three years.

Our research programme aims to investigate the key factors influencing the evolution of host specificity in parasites. More specifically, the research will examine how plasticity in phenotype (morphology and behaviour) and genetic variation affect the ability of parasites to exploit novel hosts. We will use a native New Zealand marine trematode (parasitic flatworm) species that infects coastal crustaceans as an experimental model, with the work involving a combination of experimental parasitology and genetic analyses. The PhD project will fit within this overall theme. Candidates should have interests and/or experience in either host-parasite interactions or evolutionary biology. More importantly, candidates should be highly motivated and enthusiastic about pursuing doctoral research.

PhD applicants must have been awarded the degree of BSc Honours or MSc (or equivalent) before taking up the scholarship. The emolument is NZ$25,000 per annum (tax-free) for 3 years. There is an additional NZ$4,000 per year to cover tuition fees, and some money available in the final year for thesis preparation costs.

Specific enquiries may be made to Prof Robert Poulin, Tel 64 3 479 7983, Fax 64 3 479 7584 or email robert.poulin@stonebow.otago.ac.nz

METHOD OF APPLICATION

Applicants should send a cover letter stating briefly why they are interested in this scholarship, together with the names, addresses, fax numbers and e-mail of 2 referees. Candidates should also include a curriculum vitae. These documents should be sent before 1st December 2007 to Prof Robert Poulin, Department of Zoology, University of Otago, P.O. Box 56, Dunedin, New Zealand

(FAX: 643 479-7584; email: robert.poulin@stonebow.otago.ac.nz).

Further details regarding the University and how to apply for admission in postgraduate programs can be found at the University's homepage at http://-www.otago.ac.nz

Prof. Robert Poulin, FRSNZ

Department of Zoology

University of Otago

P.O. Box 56

Dunedin 9054

New Zealand

Courier: 340 Great King Street, Dunedin, New Zealand

phone +64 3 479-7983

fax +64 3 479-7584

VISIT OUR PARASITOLOGY RESEARCH GROUP'S WEBSITE:

http://www.otago.ac.nz/parasitegroup/home.html

Uppsala EvolConsequences Wheatears

PhD student position in Ecology Dept. of Ecology, Swedish University of Agricultural Sciences, Uppsala

"Habitat selection, demography and evolutionary consequences of changes in agriculture and climate in northern wheatears"

The new Department of Ecology conducts research and education in applied ecology: effects of human activity and environmental change on pest species, wildlife management and biodiversity.

We are looking for a PhD student who will work with basic applied research on the exciting links between evolution, population dynamics and conservation and how these links are affected by a modern agriculture and climate change. The model system is a long-term population study (15 years) of northern wheatears (Oenanthe oenanthe) outside Uppsala, Sweden. Today we have data on 2300 breeding attempts and detailed data on individual survival, reproduction, and habitat choice. Thus, high-quality background data exist already. You will be able to investigate: why adults have lower survival in certain habitats, whether juvenile movements in the post-breeding season are to improve survival or next year's choice of breeding site, whether climate change in relation to landuse may explain reduced breeding success in certain age classes, and whether genes determine habitat selection and reproductive output.

The overall aim is to deepen our knowledge about factors affecting populations in disturbed landscapes, such as farmland. Farmland birds are declining rapidly and knowledge about the basics in habitat selection demography and evolutionary responses are badly needed. You will be part of a large research group working with biodiversity in farmlands of which at least three are presently working with this study system. The position will be at Uppsala.

You need a Masters degree in Ecology or equivalent. Experience in fieldwork, bird ringing, and data analysis together with good skills in writing English is an advantage.

SLU is an Equal Opportunity Employer.

Union representatives: for SACO, Lars Eriksson, phone: +46-18-67 31 37, for ST, Monica ï¿½stman, phone: +46 -18-67 12 27.

For more information: Tomas Pï¿½rt, phone +46 (0)18-67 27 04, e-mail: tomas.part@ekol.slu.se, homepage: http://www.nvb.slu.se/ShowPage.cfm? OrgenhetSida_IDE08 (check this page after Sept 7)

Three copies of the application, marked with reference number 2624/07should be submitted to the: Registrator of SLU, P.O. Box 7070, SE-750 07 Uppsala, Sweden, or by e-mail: Registrator@slu.se no later than September 24, 2007.

The application shall include: 1) a short summary of your previous achievements (max 1 page), 2) a short description (max 1 page) on how you view the research task, 3) MSc thesis (or equivalent), 4) curriculum vitae, and 5) reference person(s). All in 3 copies.

I look forward to your application!

Tomas Pï¿½rt

OBSERVE! NEW email: tomas.part@ekol.slu.se

Department of Ecology The Swedish University of Agricultural Sciences Box 7002 SE-750 07 Uppsala Sweden phone +46 18 672704 http://-www.nvb.slu.se/Maineng/personel/tomasp.htm Tomas.Part@ekol.slu.se

UWesternAustralia 4 Genetics Biodiveristy

PhD Opportunities: Genes, GIS, & Biodiversity

UWA: School of Plant Biology and Centre for Legumes in Mediterranean Agricultre, Faculty of Natural and Agricultural Sciences.

Murdoch University: State Agriculture Biotechnology Centre and Centre for Comparative Genomics.

These projects integrate statistical, ecogeographic, and genetic expertise. The projects centre on genetics for management of biodiversity.

Project 1: The use of GIS and molecular data for the ultimate benefit of farmers and conservation. We have used Geography Information Systems and molecular markers to maximise diversity within plant germplasm collections. The PhD would further develop this methodology (core collection concept) and apply it to a large existing collection of one of the most important pasture plants in Australia (subterranean clover).

Project 2: Detection of genomic regions under selection. We are using Geography Information Systems and molecular markers to identify genomic regions adapting to environmental change. The PhD will develop these methods in subterranean clover and red clover in collaboration with Kazusa DNA Research Institute in Japan. Visits to Japan would be likely.

Project 3: Genetic monitoring of fungal and virus disease resistance in clover. This program will use existing and new microsatellite DNA to compare red and subterranean clovers, and develop QTL maps. The project provides the opportunity for fieldwork at various locations in WA.

Project 4: Genetics of flowering time in clover. At UWA and Murdoch Univerity we are interested in the genetics of flowering time. The PhD student will use data obtained from our two mapping populations of subterranean clover in existing or novel programs to map the flowering time QTLs. There would be fieldwork too.

Requirments: BSc (Hons1), Masters, or equivalent, in statistics, molecular biology population genetics, or ecology. Solid research and communication skills. Citizen or permanent resident of Australia, however, scholarships are available to non-Australians depending upon their education and research record.

Application: Australian and non-Australian applicants must apply through the University of Western Australia or Murdoch University websites for relevant scholarships. See http://-www.scholarships.uwa.edu.au/home/postgrad for UWA and http://wwwcomm.murdoch.edu.au/-handbook/study/scholarships.html for Murdoch scholarships. Before preparing an application, applicants should send CV, academic record, and details of two academic referees by email to Dr Megan Ryan (megryan@cyllene.uwa.edu.au), Dr Kioumars Ghamkhar (kioumars@cyllene.uwa.edu.au), or Professor Rudi Appels (R.Appels@murdoch.edu.au). For further information phone: +61-8-6488-7120.

Dr Kioumars Ghamkhar ARC Research Associate (Plant Genetic Diversity and Evolution) Centre for Legumes in Mediterranean Agriculture (CLIMA)

Faculty of Natural and Agricultural Sciences University of Western Australia 35 Stirling Highway Crawley WA 6009 Australia Voice: 61 8 6488 7120 Fax: 61 8 6488 1140 E-mail: kioumars@cyllene.uwa.edu.au; kioumars@clima.uwa.edu.au

UWesternOntario CollembolaGenomics

MSc Studentship opportunity - Springtail functional genomics

A position is available for a motivated MSc student in the Sinclair lab at the University of Western Ontario (http://publish.uwo.ca/ ˜ bsincla7) to work on a project on functional genomics of springtails (Collembola). The project will involve fieldwork, laboratory physiology and the use of microarrays to find candidate genes associated with seasonal changes in physiology. This project will be conducted in collaboration with researchers at the <http://-www.bas.ac.uk/bas_research/current_programmes/-bioflame.php>British Antarctic Survey, and the successful applicant will be expected to travel to Cambridge, UK to conduct the microarray work. This project would suit a motivated, imaginative student with an enjoyment of fieldwork and/or the outdoors,

and experience or an interest in either molecular biology and/or animal physiology.

Applications, which should include an unofficial copy of your academic transcript, a resume, a letter outlining why you are interested in this position and your research experience and goals and the names and contact details of two academic referees should be sent by email to Dr Brent Sinclair at bsincla7@uwo.ca. Informal enquiries are welcome, as are enquiries from students contemplating applying for NSERC postgraduate scholarships. The successful candidate will also need to be accepted to the UWO graduate program.

Brent J. Sinclair, PhD

Assistant Professor of Invertebrate Biology Department of Biology Room 237, 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>

UZurich 2 PrimateBrainSizeEvol

Two PhD Positions in Primatology

We look for two ambitious, highly motivated applicants for three-year PhD positions to work on a comparative study of the energetic aspects of brain size evolution at the Anthropological Institute and Museum (University of ZÃ¼rich).

In the Swiss National Foundation (SNF) project âThe Expensive Brain: Comparative Analyses of Variation in Relative Brain Sizeâ by K. Isler and C. van Schaik we examine brain size evolution from an energy-cost perspective. To allow an increase in brain size, either total energy metabolism must be increased, or the organism reduces energy allocation to other functions such as production, digestion or locomotion.

The first PhD project will be focused on trade-offs between brain tissue and the digestive tract or other expensive organs by applying the comparative method on primates or mammals in general. You will start by compiling published quantitative data and collect complementary data from dissections of various mammalian species.

The second PhD project investigates the implication of the energy- cost perspective that a populationâs brain size is negatively correlated with the frequency of exposure to periods of unavoidable starvation, as suggested by recent work on orangutans. In addition to a comparative analysis of published data, you will also collect endocranial capacities from primate genera or species inhabiting a broad range of habitats with documented seasonal food shortages.

You will be working in an international, multidisciplinary team of primatologists and paleoanthropologists at one of Europeâs leading institutions in this field. Salaries rise from CHF 34000 in the first year to CHF 40000 in the third year.

Interested applicants should have a strong interest in zoology and primatology, a good background in evolutionary biology, a very good academic track record, be fluent in written and spoken English and hold the equivalent of a Masterâs degree. Advanced skills in statistical data analysis and, for the first project, previous experience with dissections are required.

Candidates should send a letter of application, a curriculum vitae, a transcript of the university diplomas, contact information for three references, and a summary of the Masterâs thesis (all combined to a single PDF) to Karin Isler at kisler@aim.uzh.ch no later than October 31, 2007. Start of the project is planned for February 1, 2008.

For further information, please contact Karin Isler (kisler@aim.uzh.ch).

Dr. Karin Isler Anthropologisches Institut und Museum UniversitÃt ZÃ¼rich-Irchel Winterthurerstrasse 190 CH-8057 ZÃ¼rich Switzerland

thank you

Karin

Dr. Karin Isler Anthropologisches Institut und Museum UniversitÃt ZÃ¼rich-Irchel Winterthurerstr. 190 CH-8057 ZÃ¼rich Switzerland

Phone: 0041 44 635 54 33 Fax: 0041 44 635 68 04 E-mail: kisler@aim.uzh.ch

Karin Isler <kisler@aim.uzh.ch>

UZurich EvolGenetics

WAGNER Andreas, Prof. aw@bioc.uzh.ch six digit code: 010000

**PhD thesis in experimental or computational evolutionary genetics*

A three-year Ph.D. studentship in evolutionary genetics is available in the laboratory of Andreas Wagner at the University of Zurich. Applications will be considered for both computational and experimental projects. The Wagner lab at the University of Zurich studies biological evolution on all levels of organization, from genes, genomes, and genetic networks to whole organisms. Ongoing projects range from laboratory evolution experiments in yeast to human population genomics. A sample of our research can be found at http://www.biochem.uzh.ch/wagner/.** Lab members are a group with very diverse backgrounds and research projects, unified by their interests in evolution and /or fundamental organizational principles of life.

A successful candidate for an experimental project will have substantial research experience with microbiological and molecular biological techniques, acquired in research projects with an evolutionary orientation. Experience in performing microarray experiments will be a plus. A successful candidate for a computational project will have a strong background in bioinformatics and computational biology. Fluency in a major scripting language such as perl, and experience in software development is a must. Also necessary is a strong background in biology. Applications without a demonstrated interest and research history in evolutionary biology will not be considered further

We are looking for an individual with a Masters Degree or equivalent, who is highly self-motivated and can work independently. The working language in the laboratory is English. German skills, although helpful, are not essential.

Zurich is a highly attractive city in beautiful surroundings, with a multinational population, and many educational and recreational opportunities.

To be considered, please send a single (!) PDF file merged from the following parts to jobs_aw@bioc.uzh.ch <mailto:jobs_aw@bioc.uzh.ch>: CV including publication list (if available), a scanned academic transcript (list of grades in university courses), a statement of research interests not exceeding two pages, and three references. Please include the word $B!H(BEXPCOMP$B!I(B in the subject line. The application deadline is Oktober 15, 2007.*

With best regards Christiane Gujan

_

Christiane Gujan Administrative Assistant of Prof. A. Caflisch and Prof. A. Wagner Zurich University Institute of Biochemistry Winterthurerstrasse 190 CH-8057 Zurich Switzerland

Tel. 0041 (0)44 635 55 49 Fax 0041 (0)44 635 68 62

Christiane Gujan <gujan@bioc.uzh.ch>

Jobs

BaylorU AnimalAdaptations

Baylor University Department of Biology

Animal Physiology Faculty Position- PO 105782

The Department of Biology at Baylor University, Waco, TX, invites applications for a full-time, tenure-track appointment at the Assistant Professor level to begin August 2008. Applicants must have a Ph.D. (or equivalent) and are expected to develop a vibrant, extramurally-funded research program that includes student mentoring. Preference will be given to candidates with a demonstrated ability to examine physiological responses or adaptations of animals.

The Department is committed to excellence in undergraduate and graduate education with an outstanding tradition in basic and applied life sciences. Our graduate programs (Ph.D. and Master's) focus on research in biomedical sciences and in evolutionary/ecological sciences. We seek a candidate to join our significant expansion into a new multidisciplinary science building with outstanding research and teaching facilities (http://www.baylor.edu/bsb/). The science building fosters interdisciplinary interactions via a number of institutes and centers, including the Institute for Ecological Earth and Environmental Sciences, Molecular Bioscience Center, Center for Reservoir and Aquatic Systems Research and the Center for Drug Discovery. We seek a scientist who complements our existing interdisciplinary research strengths and who will enthusiastically support our undergraduate and graduate programs. Teaching is expected at the undergraduate level (comparative animal physiology) as well as graduate courses in their area of expertise. Personal research lab space is provided and a competitive start-up package will be negotiated. Additional information regarding the position is available on the departmental web site (http://www.baylor.edu/biology/).

Application review will begin October 15 and will be accepted until the position is filled. To ensure full consideration, your application must be completed by November 9, 2007. To apply, submit application letter, CV, up to three publications, statements of research interest and plans, statement of teaching philosophy, and three reference letters to:

Dr. Robert Doyle, Chair

Department of Biology

One Bear Place 97388

Baylor University, Waco, Texas 76798

Robert_Doyle@baylor.edu

Baylor is a Baptist university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Employment Opportunity Employer, Baylor encourages minorities, women, veterans, and persons with disabilities to apply.

Patrick Danley, Ph.D. Assistant Professor Department of Biology Baylor University

Patrick_Danley@baylor.edu

Patrick_Danley@baylor.edu

BrownU ComputationalMolBiol

Brown University

Center for Computational Molecular Biology

One open rank, tenure-track or tenured faculty position with a preference for assistant professor

Brown University seeks highly qualified candidates for one open rank, tenure-track or tenured faculty position with a preference for assistant professor in the Center for Computational Molecular Biology (CCMB). The growing CCMB currently has four full-time faculty members, two in Computer Science, one in Applied Mathematics and one in Biology. Candidates are sought in all areas of computational biology and bioinformatics, particularly those who specialize in research areas complementary to and synergistic with those of current faculty. The research areas of the current Center faculty are: algorithmic methods and statistical inference in genomics, comparative genomics and evolution, gene regulatory networks, regulatory genomics, mathematical models of genetic variation, and cancer genomics.

The successful applicant will be expected to have a demonstrated potential for excellence in research and have outstanding teaching skills. Junior faculty applicants should show the potential to establish an externally funded research program; senior faculty applicants should have established such a program. The appointee will participate in the continuing development of Brown's established undergraduate Computational Biology curriculum and a newer graduate curriculum built upon the foundation of Brown's widely recognized record of teaching innovation and academic excellence. The appointee will have the opportunity to participate in several interdisciplinary projects, including collaborations with faculty in the Center for Genomics and Proteomics, the Center for Cardiovascular Research and other multidisciplinary programs at Brown and affiliated hospitals. The appointment will be in one of the following top-ranked departments: Division of Applied Mathematics, Department of Computer Science, or Division of Biology and Medicine.

Applicants should submit curriculum vitae, representative preprints or reprints, and their research and teaching plans with emphasis on their interdisciplinary expertise. Additionally, candidates for Assistant Professor should arrange to have at least three letters of recommendation sent directly to the contact address. Candidates for Associate or Full Professor should provide names and contact information for at least five references, who will be contacted for letters of recommendation by the search committee at an appropriate time. All applications will be treated confidentially. Application review will commence on December 10, 2007 and continue until the position is filled.

All documents should be sent electronically in PDF to: ccmbfs@cs.brown.edu

In addition, please send the cover letter and letters of recommendation to:

Sorin Istrail ˜ Chair, CCMB Search Committee Center for Computational Molecular Biology Brown University, Box 1910

115 Waterman Street Providence, RI 02912

Brown University is an affirmative action/equal opportunity employer.

Women and minorities are encouraged to apply.

For further information, see http://www.brown.edu/-Research/CCMB <http://www.brown.edu/Research/-CCMB/>

Louise Patterson Administrative Coordinator Center for Computational Molecular Biology Brown University 115 Waterman Street, Box 1910 Providence RI 02912 Phone: 401-863-3178 Fax: 401-863-7657

"Patterson, Louise" <Louise_Patterson@brown.edu>

BucknellU EvolBiol

The Biology Department at Bucknell University invites applications for two entry-level tenure-track Assistant Professor positions to begin August 2008. The successful candidates will teach introductory courses for majors or non-majors and upper-level courses in their area of specialty. The successful candidate is expected to establish a research program that involves talented undergraduates and attracts extramural funding. Ph.D. or ABD, evidence of teaching effectiveness, and a strong research record are required. Postdoctoral experience is preferred.

We are seeking a broadly trained ORGANISMAL, ECOLOGICAL, or EVOLUTIONARY BIOLOGIST.

We especially welcome applicants who can contribute to the interdisciplinary programs of Neuroscience, Animal Behavior, or Environmental Studies, but all research areas will be considered.

We are also seeking a broadly trained CELL or MOLECULAR BIOLOGIST. Applications from candidates with expertise in any cell or molecular biology discipline will be considered; areas of particular interest that would complement existing strengths in the department are neurobiology, immunology, or signal transduction.

Bucknell University is a premier liberal arts university with a long-standing tradition of excellence in the sciences. Start-up funds and internal funding for research are available. Institutional support for faculty research includes shared facilities for tissue culture, confocal and scanning electron microscopy. Faculty members typically teach one course and two laboratories, or the equivalent, each semester.

To apply, please refer to website: <http://-www.bucknell.edu/jobs>http://www.bucknell.edu/-jobs. Review of applications will begin on October 15. The search will remain open until the positions are filled.

Bucknell University values a diverse college community and is committed to excellence through diversity in its faculty, staff and students. An Equal Opportunity/Affirmative Action Employer, Bucknell University especially welcomes applications from women and minority candidates.

Steve Jordan Department of Biology Bucknell University Lewisburg, PA 17837 Office: 310 Bio. Bldg. +1 570-577-1254 Lab: 331 Bio. Bldg. +1 570-524-3816 Fax: +1 570-577-3537 http://-www.facstaff.bucknell.edu/sdjordan/jordan.html

steve.jordan@bucknell.edu steve.jordan@bucknell.edu

CIBIO Portugal 6 Evol

Please note that the DEADLINE is September 21!

CIBIO is a young and highly dynamic Research Centre located close to Porto, in the north of Portugal, that aims to be an international Centre of Excellence in the general fields of Biodiversity and Evolution, offering great opportunities for multidisciplinary research. The Centre occupies recently-built facilities, and now has approximately 50 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. Four 5-years full research contracts are available now, and we expect to recruit at least four enthusiastic and highly motivated researchers in the areas indicated below. The positions should start by the end of 2007.

1. Phylogenetics and Molecular Evolution

A 5-year research contract will be available at CIBIO (http://cibio.up.pt and http://www.eracareers.pt/-index.aspx?idconcurso=2), Portugal, in the area of phylogenetics and molecular evolution. The position is for five years, and is expected to become permanent at the end of this period. Although the exact field of research is open, the expected researcher is likely to work on molecular phylogeny and phylogeography of vertebrates from the Mediterranean region. It would also be desirable if the candidate had experience working with islands systems within this region. It is further expected that the researcher will study the molecular evolution of the applied markers, as well as performing phylogenetic and phylogeographic analyses. The post is also likely to involve collaboration with developing countries such as those in North Africa. The candidate should have a degree in Biology, a minimum of 3 years as Post-doc and a Curriculum vitae proving solid knowledge in phylogenetics and molecular evolution. The candidate should additionally have a significant publication record in SCI journals for the above mentioned topics and supervised academic theses (both MSc and PhD theses). A history of conference organisation and attendance will also be considered valuable. Experience is expected on the preparation and coordination of scientific projects. The candidate is expected to build his own research group, establish solid international collaborations, and be able to attract national and international funding. The candidate should be a good communicator and speak and write fluent English, and will be asked to participate in teaching at the MSc and PhD levels. The ranking of candidates will result from a global appreciation of the Curriculum vitae followed by an interview. Salary (14 salaries per year) will be approximately 3000 euros per month gross (or around 2100 euros net). Applications ? including a detailed CV, a statement of research interests and motivation, as well as the emails of at least three referees - will be accepted until September 21th, and the position

is expected to start in November-December 2007.

2. Theoretical Population Genetics

A 5-year research contract will be available at CIBIO (http://cibio.up.pt and http://www.eracareers.pt/-index.aspx?idconcurso=2), Portugal, in the area of theoretical population genetics. The position is for five years, and it may become permanent at the end of this period. The candidate is expected to develop statistical methods for the analysis and hypothesis testing of the recent evolution of multiple organisms studied at CIBIO. Accordingly, he/she is expected to master population genetics theory, including the coalescent, and to have experience in statistical inference : Bayesian analysis, simulations (e.g. MCMC). In addition, the mastering of spatial statistics and programing knowledge is highly desirable. The successful applicant is expected to develop strong collaborations with other researchers within the CIBIO, and will have access to a series of relevant studies performed with different types of molecular markers. The candidate should have a degree in Biology, a minimum of 3 years as Post-doc and a Curriculum vitae proving solid knowledge in theoretical population genetics. The candidate should additionally have a significant publication record in SCI journals for the above-mentioned topics and supervised academic theses (both MSc and PhD theses). A history of conference organisation and attendance will also be considered valuable. Experience is expected on the preparation and coordination of scientific projects. The candidate is expected to build his own research group, establish

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ClarkU MicrobialEvolution

Assistant Professor of Microbiology The Department of Biology at Clark University, Worcester MA (www.clarku.edu/departments/biology/) invites applications for a tenure track appointment at the rank of Assistant Professor, to begin Fall, 2008. The successful candidate will have research space in the newly constructed Lasry Center for Biosciences and will be expected to develop an externally funded research program involving Ph.D. and undergraduate students. Postdoctoral experience and evidence of success in obtaining extramural funding are desired. Promise of teaching excellence at undergraduate and graduate levels is expected. The candidate will conduct research in any area of microbiology and will teach Microbiology and teach other courses appropriate to area of expertise. Applicants should submit a curriculum vitae, a summary of research interests, a statement of teaching interests, and three key publications. They should arrange to have three letters of reference submitted electronically to the Search Committee for Microbiology (<micro@clarku.edu>). Follow up hard copy is not required. Letters can also be mailed to the Chair of the Microbiology Search Committee, Clark University, 950 Main St, Worcester, MA 01610-1477. E-mail enquiries may be directed to <sfoster@clarku.edu.> Review of applications begins October 15, 2007. AA/EOE. Minorities and women are especially encouraged to apply.

David S. Hibbett Associate Professor Biology Department Clark University 950 Main Street Worcester MA 01610 U.S.A. tel: (508) 793-7332 fax: (508) 793-7174 lab homepage: http://www.clarku.edu/faculty/-dhibbett/index.html DHibbett@clarku.edu DHibbett@clarku.edu

ClarkU VertebrateEvolution

Assistant Professor of Vertebrate Biology The Department of Biology at Clark University, Worcester MA (www.clarku.edu/departments/biology/) invites applications for a tenure track appointment at the rank of Assistant Professor, to begin Fall, 2008. The successful candidate will have research space in the newly-constructed Lasry Center for Biosciences and will develop an externally-funded research program involving Ph.D. and undergraduate students. Postdoctoral experience and evidence of success in obtaining extramural funding are desired. Promise of teaching excellence at undergraduate and graduate levels is expected. The candidate will conduct research in any area of vertebrate biology, will teach human and comparative anatomy courses, as well as courses in their area of expertise. Applicants should submit a curriculum vitae, a summary of research interests, a statement of teaching interests, and three key publications. They should arrange to have three letters of reference submitted electronically to the Search Committee for Vertebrate Biology (<vert@clarku.edu>). Follow up hard copy is not required. Letters can also be mailed to the Vertebrate

Biology Search Committee, Clark University, 950 Main St, Worcester, MA 01610-1477. E-mail enquiries may be directed to <sfoster@clarku.edu.> Application must be complete by October 15, 2007 to insure full consideration. AA/EOE. Minorities and women are especially encouraged to apply.

David S. Hibbett Associate Professor Biology Department Clark University 950 Main Street Worcester MA 01610 U.S.A. tel: (508) 793-7332 fax: (508) 793-7174 lab homepage: http://www.clarku.edu/faculty/-dhibbett/index.html DHibbett@clarku.edu DHibbett@clarku.edu

CollegeCharleston ChairBiol

Thank you for posting this job opportunity. The area of research expertise is open and includes evolutionary biologists. If there are questions about the position, please contact the chair of the search committee. Thanks!

Chair - Department of Biology

The Department of Biology at the College of Charleston invites applications and nominations for DEPARTMENT CHAIR. Located in historic downtown Charleston, South Carolina, the College of Charleston is a public liberal arts and sciences institution with approximately 10,000 undergraduate and 2,000 graduate students. The Department of Biology is located on the main campus and at the nearby Grice Marine Laboratory, and is comprised of 32 full-time faculty who actively pursue research in a broad range of biological disciplines both individually and collaboratively with local, state and national partners. Faculty research is supported by NIH, NSF, and USDA, among other sponsors. With over 800 undergraduate majors, the department awards B.A. and B.S. degrees in biology with optional emphases in marine biology, molecular biology, and biology teaching and supports interdisciplinary minors in neuroscience, environmental studies, and discovery informatics. We also offer M.S. degrees in marine biology with an optional emphasis in genomics, and in environmental studies. The department values and promotes independent research by undergraduate and graduate students.

Further information is available at http://-www.cofc.edu/ ˜ biology <http://www.cofc.edu/-%7Ebiology> .

We are seeking a dynamic and innovative leader with an established research program, commitment to excellence in teaching, and significant administrative experience. Applicants should send (regular mail or email) a cover letter, Curriculum vitae,and contact information for four references, at least one of whom can address the applicant's administrative skills, to:

George Pothering Biology Chair Search Committee Department of Biology College of Charleston Charleston, SC 29424

Telephone: (843) 953-5504 eMail: biology-chair@cofc.edu

For fullest consideration, nominations and applicant materials should be received by October 31, 2007, however, applications will be accepted until the position is filled.

For more information contact the committee chair via email or phone at the number above.

MurrenC@cofc.edu MurrenC@cofc.edu

CollegeWilliamMary ViralEvolution

FACULTY POSITION: VIROLOGIST

The College of William and Mary invites applications for a tenure- track position at the ASSISTANT PROFESSOR level in Virology with an anticipated start date of August 2008. Desirable areas of expertise include, but are not limited to, classical and molecular virology, viral genetics, marine virology, viral evolution and/or ecology, and plant virology. Applicants should consider whether their research is appropriate for work in a primarily undergraduate institution, with biosafety levels not to exceed BSL-2. Candidates must display scientific breadth and demonstrate the potential and motivation to achieve excellence in teaching in a broadly based biology department. Candidates must also maintain an active research program with both undergraduate and Masters-level students, and obtain external funding to support their research. Competitive start-up funds will be provided. Previous teaching experience will be advantageous, and post- doctoral experience is expected. Teaching responsibilities will include one upper-level virology course with a lab for one semester, and another course for the second semester, to be negotiated with the Chair. Review begins on November 1, 2007, and will continue until the appointment is made. For full consideration,

submit a letter of application, curriculum vitae, statements of research interests and teaching philosophy, and the names and contact information for three references, through the College's online recruitment system at http:// jobs.wm.edu.

The College of William and Mary is an equal opportunity/affirmative action university. Members of underrepresented groups (including people of color, persons with disabilities, Vietnam veterans, and women) are encouraged to apply.

George W. Gilchrist Email: gwgilc@wm.edu Director of Graduate Studies Phone: (757) 221-7751 Department of Biology, Box 8795 Fax: (757) 221-6483 College of William & Mary Williamsburg, VA 23187-8795 http://gwgilc.people.wm.edu/ gwgilc@wm.edu gwgilc@wm.edu

ColoradoStateU EvolEcol

VERTEBRATE EVOLUTIONARY ECOLOGIST ASSISTANT PROFESSOR, TENURE-TRACK DEPARTMENT OF BIOLOGY COLORADO STATE UNIVERSITY

POSITION: The Biology Department at Colorado State University requests applications for a Vertebrate Evolutionary Ecologist at the rank of Assistant Professor, to add to a growing group of ecologists and evolutionary biologists. We seek a broadly trained vertebrate biologist who addresses fundamental and integrative questions at the interface of ecology and evolutionary biology. Examples of potential research interests could include studies of adaptation, invasive species, life history strategies, mating systems, phylogeography, speciation, species interactions, or other areas that explore evolutionary processes in natural populations. Competitive candidates would perform interdisciplinary research, with the possibility of applying genomic tools to organismal questions.

This tenure-track position involves undergraduate and graduate teaching (approximately 45 percent), research involving undergraduates and graduate students (approximately 45 percent), and service/outreach (approximately 10 percent). Colorado State University provides a highly collaborative and supportive environment with opportunities to interact with faculty in other colleges on campus and to participate in the Graduate Degree Program in Ecology (www.colostate.edu/Depts/GDPE/), the Graduate Degree Program in Cell and Molecular Biology (http://www.colostate.edu/Depts/CMB/), the Program of Interdisciplinary Mathematics, Ecology, and Statistics (http://www.primes.colostate.edu/-), and the Program in Molecular Plant Biology (http:/-/plant.biology.colostate.edu/),. CSU is also home of the Natural Resource Ecology Laboratory (http://-www.nrel.colostate.edu/). For more information about CSU in general and the Biology Department in particular, please visit the Biology Department website: http://www.colostate.edu/Depts/Biology/ . RESPONSIBILITIES: The successful candidate will develop an extramurally funded and innovative research program that interfaces with evolutionary biologists, ecologists, geneticists, molecular biologists and/or physiologists within the department and across the CSU community. Teaching may include courses in evolution, ecology, population biology, conservation biology, and organismal animal biology. Candidates who can enhance the departments commitment to diversity through research, teaching, and outreach are encouraged to apply.

QUALIFICATIONS: Ph.D. in animal ecology and/or evolutionary biology or related field by the time of appointment. Postdoctoral experience preferred.

SALARY: Commensurate with education and experience at the rank of Assistant Professor.

POSITION AVAILABLE: as early as August 15, 2008

UNIVERSITY AND LOCAL ENVIRONMENT: Colorado State University, which has a total enrollment of over 25,000 full-time students, is located in Fort Collins, 60 miles north of Denver. The community of about 125,000 is situated along the beautiful front range of the Rocky Mountains. Other major employers in the community are Hewlett-Packard, LSI Logic, Agilent Technologies, Advanced Energy, Kodak, Anheuser-Busch, and Poudre Valley Hospital. There are also several state and federal research agencies in Fort Collins that contribute to the intellectual environment of the university. These include the State Forest Service, the US Forest Service, the US Geological Survey, the National Wildlife Research Center, the USDA-Agricultural Research Service, the National Park Service and the BLM. The University of Colorado in Boulder, the University of Colorado Health Science Center and Denver University in Denver, and the University of Wyoming in Laramie, are all within a one-hour drive. In addition to the many and varied cultural activities sponsored by the University, the community offers a center for performing arts, a symphony orchestra, repertory theater, choral society, and dance company. The city operates an indoor Olympic-size pool and ice arena, other indoor

and outdoor pools, five public golf courses, and sponsors, through its Parks and Recreation Department, a cornucopia of leisure-time activities. Rocky Mountain National Park and Roosevelt National Forest are within 30 miles of Fort Collins. Finally, Fort Collins was recently identified as the best city to live in by Money Magazine.

To apply, submit application material (cover letter, C.V., statements of research & teaching interests, contact information for three referees, and up to three representative publications) on-line at

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EastCarolinaU ChairBiol

Please note website address for online application given below. My apologies for ommitting this from the previous version. Kyle Summers

Chair, Biology Department, East Carolina University

The Department of Biology at East Carolina University seeks an energetic, well-established investigator to lead the department's expanding research and teaching programs beginning on or before August 11, 2008. The Biology Department offers undergraduate degrees in Biology and Biochemistry, masters degrees in Biology and Biotechnology/Molecular Biology, and participates in interdisciplinary doctoral programs in the Biological Sciences and Coastal Resources Management. The 40 member faculty has research strengths in ecology, evolutionary biology, and cell and molecular biology, and collaborates with other Departments in the Harriot College of Arts and Sciences, the Schools of Medicine and Allied Health Sciences, and the College of Technology and Computer Science. The Chair will provide leadership in the context of shared governance for the continued growth of the department's research programs, hiring of new faculty, development of undergraduate and graduate curricula, professi onal service, and other departmental activities. East Carolina University, the third largest university in the UNC system, is a rapidly growing institution of over 23,000 students committed to excellence in research and teaching.

The successful candidate must have a Ph.D. or equivalent research degree in one of the Biological Sciences, administrative and teaching experience, and a record of distinguished scholarly achievements and funded research appropriate for appointment at the rank of Professor. Applicants must complete a candidate profile and submit statements of research interests and future plans, administrative philosophy, educational philosophy, a curriculum vitae, and contact information for four current references online. Please log on to http://-ecu.peopleadmin.com/hr for job posting and online application.

Address specific inquiries to Dr. John Sutherland (sutherlandj@ecu.edu); for information about the Biology Department see http://www.ecu.edu/biology. Screening of applications will begin on November 1, 2007 and continue until the position is filled.

SUMMERSK@ecu.edu SUMMERSK@ecu.edu

EmoryU LabTech HostParasite

Laboratory/Research Technician

Position available at Emory University in the laboratory of Nicole Gerardo starting in January 2008.

Emory sits in the heart of Atlanta, Georgia, a diverse city of 5 million people. The Department of Biology at Emory has a strong focus in host-parasite interactions, and shares strong ties to the Center for Disease Control (CDC), which is less than a block away.

The lab focuses on the evolutionary ecology of host-parasite interactions in insect systems. Initial work will be on interactions of aphids, their bacterial mutualists and bacterial pathogens. For more information about the lab's research, go to http://www.biology.emory.edu/research/Gerard/-Gerardohome.html Candidates should have a minimum of a B.A or B.S., previous experience in biological research, and strong personal communication skills. It is critical that the candidate be organized, able to pay attention to detail, and good at working with others. As the lab is starting up, patience will be a must. Experience with molecular techniques and in insect/plant rearing are strongly preferred. Both part time and full time applicants will be considered. Minimum salary is 14.04/hr, or 29,210 annual salary for a fulltime position and will be commensurate with experience. If interested in the position, please send a CV, cover letter and 2 letters of reference to Nicole

Gerardo at ngerardo@email.arizona.edu by October 15th, 2007.

Nicole Gerardo PERT Postdoctoral Fellow University of Arizona Ecology and Evolutionary Biology PO Box 210088 Tucson, Arizona 85721 USA (520)626-8661 (office) (520)626-8344 (lab)

ngerardo@email.arizona.edu ngerardo@email.arizona.edu

ETHZurich InsectChemicalEcology

Scientist with postdoc experience in chemical ecology of insects

The ETH Applied Entomology Group investigates insect-plant relationships from the molecular to the agroecosystem level, in particular as a basis for more sustainable pest and crop management (www.em.ipw.agrl.ethz.ch). A position with a several years perspective is open for a creative and cooperative scientist with strong postdoc experience in multitrophic insect-plant interactions and chemical ecology.

Responsibilities include (1) research together with graduate and undergraduate students using state-of-the-art techniques, and (2) participation in teaching and administration.

Languages spoken in the group are mainly English and German.

The position will remain open until filled.

Please send curriculum vitae, a list of methods, and addresses with phone numbers of three references to:

Prof. Dr. Silvia Dorn Subject: Position Chem.-Ecol. ETH Zurich Institute of Plant Sciences / Applied Entomology Schmelzbergstrasse 9 CH - 8092 Zurich, Switzerland

silvia.dorn@ipw.agrl.ethz.ch

FrankfurtU EvolEcol

Postdoctoral position (3+3 years) in Evolutionary Ecology

A University's postdoctoral position is available for three years, extendable for another three years, in the group of Bruno Streit, Frankfurt University, Department of Ecology and Evolution. The salary corresponds to "A13" according to the German salary system; teaching duties are 4 hours a week. The position starts February 1, 2008.

The scientific focus should be on any freshwater organisms or on soil invertebrates. The position is suitable to prepare for a Habilitation" (qualification for later professorship applications). Prerequisites: PhD, extensive knowledge of evolutionary biology as well as either ecology or limnology (theories & concepts, molecular & statistical/mathematical techniques). The successful candidate should work successfully in a modern field and be willing to cooperate in joint projects. An adequate knowledge of German is required.

Further information on the research group: www.bio.uni-frankfurt.de/ee . Send detailed CV and referee names (closing date October 15, 2007) to: Prof. Dr. Bruno Streit, Universität Frankfurt, Biologie-Campus, Siesmayerstrasse 70-72, D-60054 Frankfurt, Germany.

With kind regards

Bruno Streit

Prof. Dr. Bruno Streit Frankfurt University Executive Director of the Institute of Ecology, Evolution and Diversity Siesmayerstrasse 70-72 D-60325 Frankfurt am Main Germany

Phone: 049-69-798-24711 Fax: 049-69-798-24910 Internet: http://www.bio.uni-frankfurt.de/ee streit@bio.uni-frankfurt.de streit@bio.uni-frankfurt.de

GeorgiaInstTech ComputationalBiol

Georgia Institute of Technology

Faculty Position in Computational Biology

We are interested in both senior and junior level investigators who employ computational and quantitative approaches to the analysis of integrated biological systems across multiple levels of scale. Specific research areas include the analysis of cellular networks, such as gene regulatory networks and biochemical pathways, the integration of heterogeneous sources of biological data, the study of genome variation within and between species, evolutionary dynamics and the many scale computational modeling of biological sys-

tems. Candidates should forward a letter of application, a full curriculum vitae and the contact information for four references. Review of applications will begin October 1, 2007.

Contact: I. King Jordan Associate Professor School of Biology Georgia Institute of Technology 310 Ferst Drive Atlanta, GA 30332-0230 404-385-2224 http://esbg.gatech.edu King Jordan <king.jordan@biology.gatech.edu>

InstZoo London ResTech

INSTITUTE OF ZOOLOGY ZOOLOGICAL SOCIETY OF LONDON

TWO RESEARCH TECHNICIAN POSTS CONSERVATION GENETICS AND MOLECULAR ECOLOGY Starting salary GBP18,978 to GBP20.827 (including London Weighting) pro-rata Dependent on relevant experience

Applications are invited for two posts as research technician on a DEFRA-funded project to investigate the effect of habitat restoration in agricultural landscapes on bumblebees. Molecular genetic techniques will be used to estimate the number of bumblebee colonies utilising patches of wildflowers. Experience in molecular biology techniques, particularly microsatellite genotyping, will be an advantage.

Each post is for six months and both are available from 1st October 2007.

For informal enquiries contact: Dr W.C. Jordan (bill.jordan@ioz.ac.uk Tel: 020 7449 6631).

Applications, with a current CV and names and full contact details of three referees, should be sent to Human Resources, Zoological Society of London, Regent's Park, London NW1 4RY, UK (email HR@zsl.org), from whom further details are available.

CLOSING DATE: 14th September 2007

Read about the Institute of Zoology on http://-www.zoo.cam.ac.uk/ioz/ and ZSL's work on http://-www.zsl.org

REGISTERED CHARITY NO. 208728

w.jordan@ucl.ac.uk w.jordan@ucl.ac.uk

Invermay NewZealand Bioinformatics

Bioinformatician

AgResearch - Applied Biotechnologies

Utilise your bioinformatics consulting experience to contribute to science discovery in New Zealand. This position is based at our Invermay campus, situated in beautiful and inspiring rural surroundings, with easy access to Dunedin city on the South Island of New Zealand.

You will be an advocate for bioinformatics within AgResearch; you will work collaboratively on projects and will provide bioinformatics consultancy, training and advice to science staff working in the biotechnology area.

You would be Postgraduate qualified in Biological, Computational Biology or Mathematical discipline and possess the following skills:

* Experience with the use of bioinformatics applications * Knowledge of necessary biological databases * Experience in tools for genomic research * Experience with Perl or any other scripting language * Sound knowledge and well developed IT technical skills with emphasis on Unix and web based technologies * Experience in the area of Systems Biology would be an advantage * Experience in a training environment * Excellent writing, speaking and interpersonal skills * Ability to prioritise and cope with competing demands.

We will value your ability to work both co-operatively in a team environment, and independently. You will be one of five bioinformaticians at Invermay, and part of a larger nationwide team.

AgResearch offers excellent working conditions, ongoing support and superb training and professional development opportunities.

To find out more about this position please contact Nauman Maqbool nauman.maqbool@agresearch.co.nz or phone +64 3 489 9031.

For a job description and application form visit www.agresearch.co.nz, or contact Linda Murray, Phone +64 3 489 9011 or email linda.murray@agresearch.co.nz

Applications close 28th September 2007.

S. Anette Becher, D.Phil. Section Manager Bioinfor-

matics, Mathematics & Statistics T +64 3 489 9028 M +64 29 489 9081 E Anette.becher@agresearch.co.nz E Anette.becher@agresearch.co.nz

IowaStateU PlantEvol

Plant Biology

The Department of Ecology, Evolution, & Organismal Biology (EEOB) at Iowa State University seeks a tenure-track Assistant Professor in evolutionary or ecological plant biology and whose research interests complement those of our department. The successful candidate will join a dynamic department of 30 faculty (<http://www.eeob.iastate.edu>http://-www.eeob.iastate.edu) who use integrative approaches that bridge disciplines and span multiple levels of biological organization. Applicants must have a Ph.D. in a biological science or related field and are expected to develop a nationally recognized research program and skillfully contribute to undergraduate and graduate teaching. Following the instructions on <http://www.iastatejobs.com/->www.iastatejobs.com, submit cover letter, CV, and research and teaching statements as a single pdf file plus up to three reprints as individual pdfs by 19 Oct 2007 (see <http://www.eeob.iastate.edu/>http:/-/www.eeob.iastate.edu/search.html for additional information). In addition, arrange to have three letters of recommendation sent by e-mail as pdf files to Jacki R. Hayes (searches@iastate.edu). Iowa State University values diversity and is an AA/EEO employer with NSF ADVANCE funding to enhance the success of women faculty in science and engineering.

Dr. Nicole Valenzuela Assistant Professor Dept. of Ecology, Evolution, and Organismal Biology Iowa State University 239 Bessey Hall Ames, IA 50011 (515) 294-1285 http://www.public.iastate.edu/~nvalenzu/ Nicole Valenzuela <nvalenzu@iastate.edu>

Lehigh MicrobialGenomics

ASSISTANT PROFESSOR MICROBIAL GENOMICS

Lehigh Universityâs Department of Biological Sciences invites applications for a tenure-track Assistant Professor position in Microbial Genomics to begin in fall 2008. Applicants with expertise in evolutionary genomics, functional genetics, or systems biology as applied to microbes are particularly encouraged to apply. The successful candidate will have the potential or demonstrated ability to generate extramural funding and a commitment to instructional excellence at the undergraduate and graduate levels. The College of Arts and Sciences at Lehigh is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community. Applications should be directed to: Prof. L. Cassimeris, Chair, Microbial Genomics Search Committee. E-mail: inbios@lehigh.edu. Send curriculum vitae, representative publications, description of research and teaching interests, and four letters of reference to the search committee chair electronically or to: Department of Biological Sciences, 111 Research Drive, Lehigh University, Bethlehem, PA 18015. Deadline for submission is December 1, 2007. Lehigh University is an Equal Opportunity Affirmative Action Employer. Lehigh University provides comprehensive benefits including partner benefits.

Posted by: Sean P. Mullen, Ph.D. Assistant Professor of Evolutionary Genetics Dept. of Biological Sciences 111 Research Drive, D216 Iacocca Hall Lehigh University Bethlehem, PA 18015 sem307@lehigh.edu 610.758.55

sem307@lehigh.edu sem307@lehigh.edu

MNHN Paris PlantSystematics

The Muséum National dHistoire Naturelle de Paris (France) will be recruiting, during the next few years, several Professors of different levels in the fields of Systematics, Phylogeny, Biogeography and Evolution of Plants. These positions will be located at the Paris Museum with a strong link to the herbarium. No teaching will be required (although it is possible) but part of the Professors activities will be devoted to the management of the herbarium. As is usual in France, these positions offer direct tenure. Any person interested please contact us rapidly as the process of recruitment in France is quite complex and includes an a priori national procedure (to be completed before 16^th October).

Pierre-Henri Gouyon <gouyon@mnhn.fr> <mailto:gouyon@mnhn.fr> & Jean-Noel Labat <labat@mnhn.fr> <mailto:labat@mnhn.fr>

Muséum National d'Histoire Naturelle Département de Systématique et Évolution Botanique CP39 12 rue Buffon

F-75005 Paris tel : 33 (0) 140 793 194 (P-H Gouyon) or 33 (0) 140 793 381 (J-N Labat)

gaudeul@mnhn.fr gaudeul@mnhn.fr

NatlInstHorticulture France PlantPopBiol 2

ASSISTANT PROFESSOR IN ECOLOGY National Institute of Horticulture (INH) Angers, France

The National Institute of Horticulture in Angers (France) invites applications for a tenure track position in plant community ecology or plant population biology. The position is at the Assistant Professor level. Expected starting date is January 1, 2008.

For complete job description, visit http://www.emploi-scientifique.info/-esf_view_offre.php?id_offre55&retour_cand=1 The candidate is expected to teach and to contribute to the education and training of undergraduate and graduate students. Research will be conducted in collaboration with the UMR BiO3P. Our team is interested in the evolution of plant-animal interactions as a basis for more sustainable pest and crop management.

Ph.D. required and a post-doctoral experience is desirable.

Deadline for application is September 21, 2007.

Please direct questions to: Josiane.LeCorff@inh.fr

Josiane.LeCorff@inh.fr

Newport Oregon LabManager ShellfishGenetics

LAB MANAGER POSITION

I am expecting to have a vacancy for a LABORATORY MANAGER within the next few months and am solicting informal inquiries at this time in order to facilitate a quicker search when the current incumbent moves to Wisconsin for love. The position is best suited for someone with a Masters degree who is familiar with a wide range of molecular genetics techniques (DNA and RNA extraction, PCR, reverse transcription, quantitative real tim PCR, microsatellite markers, AFLP markers, RFLP markers, gel electrophoresis, DNA cloning and sequencing); equipment (ABI 3730XL sequencer, ABI 7500 RT-PCR, Biomek FX pipetting robot, gel image analysis etc.); and data management and analysis methods. Duties include conducting research under the supervision of the PI (me); working closely with and training graduate students, postdocs, and technicians; performing routine maintenance and calibrations on lab equipment; and maintaining inventories of reagents, buffers, etc.

The research in the lab focuses on genetic improvement of cultured shellfish, mainly oysters, using QTL mapping, gene expression assays, population genetics, and parentage analysis.

The position in located at the Hatfield Marine Science Center in Newport, Oregon which is about 1 hour west of Corvallis on Yaquina Bay. Newport is a small but vibrant coastal community with a mixed economy based on tourism, fishing, and scientific research. It rains a lot in the winter here. This is permanent position with the federal government, and as such is only open to US citizens by law. Ideally, the chosen candidate would be seeking a long-term situation.

Pleae email me directly. I will compile a list for direct contact when the position is officially available.

Best-

Mark D. Camara USDA/ARS Shellfish Genetics OSU - Hatfield Marine Science Center 2030 SE Marine Science Dr. Newport, OR 97365

Office: 541-867-0296 Fax: 541-867-0138 Mailto: Mark.Camara@oregonstate.edu

Mark Camara <Mark.Camara@oregonstate.edu>

Philadelphia SystematicBotany

Curator of Botany Academy of Natural Sciences of Philadelphia

The Center for Systematic Biology and Evolution at the Academy of Natural Sciences seeks a botanist to fill a career-track appointment as Curator in the Department of Botany. Rank of the appointment is open. Candidates must have a Ph.D. and a proven record of scien-

tific achievement in collections-based research, and success in attracting external funding. In addition to taxonomic focus, we seek excellence in evolutionary biology in such areas as phylogenetics, comparative morphology, molecular evolution, biogeography, coevolution, or conservation. Beyond research, responsibilities include curation of the collections in the Academys Herbarium, participation in public exhibit and education programs, and administration. The herbarium (PH) has about 1.4 million specimens including some of the oldest and most important plant collections in the Americas.

Applications should include: (1) curriculum vitae, (2) statement of research and curatorial interests, (3) names and contact information for three referees, and (4) copies of up to 5 relevant publications. Review of applications will begin November 1. Send materials in pdf form to: botanysearch@ansp.org.

For information about the Academy, the Center, and the Department, see www.ansp.org, www.ansp.org, and www.ansp.org/research/biodiv/botany. The Academy of Natural Sciences is an Equal Opportunity Employer, and encourages applications from women and minorities.

lundberg@ansp.org

Portugal FieldAssist OtterEvol

I'm seeking enthusiastic undergraduates and recent college graduates who are interested in a field research in Portugal. The overall objective of my research program is to study the behavioural ecology of the European Otter (Lutra lutra). More in detail, I'm trying to understand the relationships between the use of space of this species and the availability and dispersion of the resources, mainly freshwater. 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 I'm collaborating with the Prof Antόnio Mira, the head of the Conservation Biology Unit of the University of ï¿½vora (http://www.ubc.uevora.pt/). The field work started at the end of June 2007, I'm already tracking three otters, and many others will be hopefully caught and followed soon. Successful applicants will assist with fieldwork (consisting of trapping sessions, radiotracking, preys samplings and collection of environmental data) in our Study Area (Alentejo, South of Portugal), and with data entry. In addition, successful applicants 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 Thesis, and, if particularly motivated, to be involved in the publications. Successful applicants should provide by theirself for the logistic (accommodations and living expenses), with the only lucky that here the cost of life it is not prohibitive. Strong motivation to work in extreme environmental conditions, during both nights (mainly) and days, and a valid European Driver's 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! For more information, contact Lorenzo Quaglietta (PhD student): lorenzo.quaglietta@uniroma1.it

Lorenzo Quaglietta PhD student Department of Animal and Human Biology University of Rome La Sapienza Viale dell'Universitï¿½, 32 00185, Roma, Italy (0039) 06-49914763 phone (0039) 06-49914763 fax lorenzo.quaglietta@uniroma1.it

giaguarenzo@yahoo.it

PurdueU EvolBiol

Faculty Position in Evolutionary Ecology

Department of Biological Sciences Purdue University

The Department of Biological Sciences invites applications for a tenure-track faculty position in Evolutionary Ecology. We seek candidates whose research integrates the fields of ecology and evolution with those of neuroscience, developmental biology, physiology, or comparative genomics. We expect to fill an academic-year appointment at the Assistant Professor level; however, appointment at a higher rank will be considered for qualified applicants.

The Department of Biological Sciences (http://-www.bio.purdue.edu/) has over fifty faculty members directing research in a wide range of fields including bioinformatics, neurobiology, molecular, cellular and developmental biology, and ecology. Descriptions of research programs in the ecology area can be located at http://bilbo.bio.purdue.edu/www-ecology/-

index.html. In addition to several faculty positions anticipated for the Department, the College of Science at Purdue is hiring faculty in interdisciplinary areas that span multiple departments, including Biological Sciences (http://www.science.purdue.edu/hiring/). Faculty across campus with ecological interests can be found at http://www.purdue.edu/pices/index.htm.

The successful Evolutionary Ecologist applicant must have a Ph.D. or equivalent in an appropriate discipline; postdoctoral experience is strongly preferred. Applicants are expected to develop a well-funded research program and to be committed to excellence in undergraduate- and graduate-level teaching. Applications must be submitted electronically, using links found at (http://www.bio.purdue.edu/) and should include a detailed curriculum vitae, the names and addresses of three referees, a summary of the candidate's research interests, and a one-page teaching statement. Inquiries should be directed to Prof. Jeffrey Lucas, Chair, Evolutionary Ecology Search Committee, Department of Biological Sciences, Purdue University, 915 W. State St., West Lafayette, IN 47907-2054 (jlucas@purdue.edu). Review of applications will begin on October 15, 2007, and will continue until a suitable pool of applicants had been identified.

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer and is committed to building a diverse faculty of excellence.

J. Andrew DeWoody 1159 Forestry Building Purdue University West Lafayette, IN 47907 765-496-6109 765-496-2422 (fax)

dewoody@purdue.edu dewoody@purdue.edu

RiceU LabFieldTech

Job: Lab/Field Technician Rice University Job, Lab/Field Technician, Ecology and Evolution of Plant-Animal & Plant-Microbe Interactions

The Rudgers & Whitney Labs at Rice University (http://www.ruf.rice.edu/%7Eplanteco/index.html) are looking for a technician, effective immediately (position open until filled). Duties will include both labwork and fieldwork on two separate NSF-funded projects examining the ecology and evolution of plant-animal and plant-microbe interactions. Candidates should have B.A./B.S. in biology and some hands-on field and/or lab experience. Training will be provided, but experience with DNA techniques (PCR, sequencing) and/or microbial methods (endophytic or mycorrhizal fungi) is a bonus. The position is classified as full-time, temporary (6-24 months). This position would be an excellent fit for someone planning on graduate study in ecology & evolutionary biology, as there will be the opportunity to gain experience in a number of research areas and to co-author papers. Please send a resume and contact information for three references by email (kwhitney@rice.edu) or by post (K. Whitney/J. Rudgers, Dept. of Ecology and Evolutionary Biology, MS 170, Rice University, Houston TX 77251-1892).

Ken Whitney Asst. Professor Dept. of Ecology and Evolutionary Biology, MS 170 Rice University 6100 Main St. Houston, TX 77005 (713) 348-3057 ph. (713) 438-5232 fax kwhitney@rice.edu

http://www.ruf.rice.edu/%7Ekwhitney/index.htm
Ken Whitney <kwhitney@rice.edu>

SanDiegoStateU EvolBiol

Faculty Position in Comparative Animal Physiology/Functional Biology

The Department of Biology at San Diego State University offers a tenure-track position in its Evolutionary Biology Program Area, to begin fall 2008 at the assistant professor level in Comparative Animal Physiology/Functional Biology. Desired research interests should center on addressing evolutionary and/or ecological questions in whole-animal physiology/functional biology using modern comparative/phylogenetic approaches. Teaching will include an upper-division course in comparative animal physiology, participation in other undergraduate courses, and a course in an area of expertise.

Candidates for this position must have a Ph.D. and an active research program. Postdoctoral experience and external funding is expected. Successful candidates will interact with a diverse student body and an active group of biology faculty interested in population, systematic and evolutionary biology, ecosystem/global change, conservation biology, and cell/molecular biology. Consideration will include the candidate's match to programmatic strengths including research emphases, teaching, and student mentoring. High quality teaching is an important responsibility of the SDSU faculty, and candidates will be evaluated based on their

ability to contribute to the teaching program.

Evidence of research productivity is essential. The successful candidate is expected to maintain an externally-funded research program that includes both undergraduate and graduate students. The Evolutionary Biology Program Area offers a research-oriented master's program, and is currently in the process of establishing a joint doctoral program with the University of California, Riverside. The successful candidate is expected to participate in both of these programs. Depending on research focus, participation in doctoral programs in Ecology or Cellular and Molecular Biology is also possible.

Send curriculum vitae, statement of research and teaching interests, three representative publications, and have three letters of reference sent to:

Comparative Animal Physiology/Functional Biology Search Committee

Department of Biology

San Diego State University

San Diego, CA 92182-4614

Applications accepted until position is filled, with review of applications beginning after October 8th, 2007 and continue until the position is filled. More information available at http://www.sci.sdsu.edu/fac-recruitment .

SDSU is a Title IX, equal opportunity employer and does not discriminate against individuals on the basis of race, religion, national origin, sexual orientation, gender, marital status, age, disability, or veteran status, including veterans of the Vietnam era.

If you have any further questions regarding this position, additional information can be found at http://-www.bio.sdsu.edu/ or you can contact:

Dr. Tod W. Reeder

Dept. Biology, SDSU

treeder@sunstroke.sdsu.edu

treeder@sunstroke.sdsu.edu

Smithsonian GeneticsLabManager

Genetics Laboratory Manager, Smithsonian Institution

We are recruiting a Laboratory Manager [Biologist] for the Genetics Program of the Smithsonian Institution in Washington, DC. The Genetics Program conducts research and service for both the Center for Conservation and Evolutionary Genetics of the National Zoological Park and the National Museum of Natural History in the fields of population and conservation genetics, and molecular evolution, systematics and ecology. Starting salary range is a GS-9, $46,041-$59,852 per annum (salary is subject to salary level increase pending FY08 Federal budget allocation). The position entails laboratory management and research, and the ideal applicant will have had experience managing a genetics laboratory (i.e., maintenance of laboratory equipment, facilities and frozen tissue collections, and purchasing of supplies and equipment) and conducting and training students and technicians in various molecular genetic methods (including, for example, PCR, DNA sequencing using capillary sequencers, construction of genomic libraries, development of microsatellite and SNP markers, ancient and non-invasive DNA extraction, and microarray procedures). Specific application procedures are available in the position announcement (number 07-JW-293445-JNT-NZP) available from http://www.sihr.si.edu/job.htm. Announcement will open 30 August 2007. Applications must be received by 21 September 2007, and must reference announcement number 07-JW-293445-JNT-NZP. All applicants will be notified by email or phone when their application is received. The Smithsonian Institution is an Equal Opportunity Employer. For more detailed information about the position please contact Rob Fleischer (fleischerr@si.edu).

Robert C. Fleischer Center for Conservation and Evolutionary Genetics National Zoological Park National Museum of Natural History Smithsonian Institution PO BOX 37012 MRC 5503 Washington, DC 20013-7012

phone 202-633-4190

"Fleischer, Robert" <FleischerR@si.edu>

Smithsonian LabManager EvolGenetics

Genetics Laboratory Manager, Smithsonian Institution

We are recruiting a Laboratory Manager [Biologist] for the Genetics Program of the Smithsonian Institution in Washington, DC. The Genetics Program conducts research and service for both the Center for Conservation and Evolutionary Genetics of the National Zoological Park and the National Museum of Natural His-

tory in the fields of population and conservation genetics, and molecular evolution, systematics and ecology. Starting salary range is a GS-9, $46,041-$59,852 per annum (salary is subject to salary level increase pending FY08 Federal budget allocation). The position entails laboratory management and research, and the ideal applicant will have had experience managing a genetics laboratory (i.e., maintenance of laboratory equipment, facilities and frozen tissue collections, and purchasing of supplies and equipment) and conducting and training students and technicians in various molecular genetic methods (including, for example, PCR, DNA sequencing using capillary sequencers, construction of genomic libraries, development of microsatellite and SNP markers, ancient and non-invasive DNA extraction, and microarray procedures). Specific application procedures are available in the position announcement (number 07-JW-293445-JNT-NZP) available from http://www.sihr.si.edu/job.htm .Announcement will open 30 August 2007. Applications must be received by 21 September 2007, and must reference announcement number 07-JW-293445-JNT-NZP. All applicants will be notified by email or phone when their application is received. The Smithsonian Institution is an Equal Opportunity Employer. For more detailed information about the position please contact Rob Fleischer (fleischerr@si.edu).

Robert C. Fleischer Center for Conservation and Evolutionary Genetics National Zoological Park National Museum of Natural History Smithsonian Institution PO BOX 37012 MRC 5503 Washington, DC 20013-7012

phone 202-633-4190

“Fleischer, Robert” <fleischerr@si.edu>

StKilda FieldAssit SoaySheep

Please could this be placed on your web site -

SOAY SHEEP RESEARCH - ST KILDA RUT 2007

FIELDWORK ASSISTANT

We are currently looking for a volunteer for this year's Soay sheep rut expedition to St. Kilda, a group of islands 180 km of the coast of north-west Scotland. The expedition runs from mid October till the end of November.

Activities:

- Censusing sheep with telescopes and hand-held computers - Mortality searches - Observation of rutting behaviour

Requirements:

. Must be available for the full period stated . Must be fit, St Kilda has a very demanding terrain . A background in Biological Sciences

Travel to the island will be by helicopter from Benbecula (Outer Hebrides) and the team will stay in cottages built by the original inhabitants of St. Kilda (since restored by the National Trust for Scotland). Expenses incurred whilst travelling will be reimbursed and food/accommodation on island are provided. This is an ideal opportunity to gain field experience in large mammal research and to visit St. Kilda, the remotest of British islands.

If you wish to apply for this work then please send a CV with covering letter, contact phone number and details of two referees than can be contacted immediately by email.

CONTACT: Jill Pilkington EMAIL: j.pilkington@ed.ac.uk

j.pilkington@zoom.co.uk

UAberdeen PopulationDynamics

UNIVERSITY OF ABERDEEN

SCHOOL OF BIOLOGICAL SCIENCES

RESEARCH FELLOW IN ECOLOGICAL MODELLING

We are seeking a highly motivated Research Fellow to develop novel modelling approaches in population ecology. Building on new experimental data and long-term research on red grouse population ecology, you will develop a diverse range of models to explore how interactions between biotic factors influence behaviour, abundance and population dynamics. You will work with a team of empiricists and theoreticians at Aberdeen (Redpath & Mougeot), Glasgow (Haydon), Exeter-in-Cornwall (Dall) and St. Andrews (Matthiopolous) to explore how interactions between biotic factors influence behaviour, abundance and population dynamics.

We seek a mathematical / theoretical ecologist with a PhD in a relevant subject, and a proven ability to conduct and publish your own research, strong modelling and communication skills and an ability and eagerness

to work in a multi-disciplinary team. You will have an enthusiasm to learn and develop new techniques, and experience in some or all of the following: game theory, time-series analysis, analytical and computational modelling. You will work closely with all members of the project team in advancing the field of population ecology.

The position is available for three years. Salary will be at the appropriate point on the Grade 6 scale (£27,857 - £33,262 per annum), with placement according to qualifications and experience.

Informal enquiries to Professor Steve Redpath (tel: 01224 273651 or e-mail: s.redpath@abdn.ac.uk).

Online application forms and further particulars are available from www.abdn.ac.uk/jobs. Alternatively telephone (01224) 272727 (24-hour answering service) quoting reference number YBS027RX for an application pack.

The closing date for the receipt of applications is 14th October 2007.

Promoting Diversity and Equal Opportunities throughout the University

Lesley Sangster l.sangster@abdn.ac.uk Recruitment Co-ordinator College of Life Sciences and Medicine University of Aberdeen Tel: +44 (0) 1224 551249

"Sangster, Lesley" <l.sangster@abdn.ac.uk>

UAlabama LabManager MolSystematics

Please post the following job announcement to EvoDir:

The Department of Biological Sciences at The University of Alabama seeks a Laboratory Research Specialist to manage and supervise the Steven Johnson Molecular Systematics Laboratory. The Laboratory Research Specialist will provide day-to-day management and supervision of the Steven Johnson Molecular Systematics Laboratory, including maintenance and running of ABI DNA sequencers, and will assist faculty in basic research in an essentially independent manner. Assist Director of the Molecular Systematics Laboratory in grant writing to procure funds for additional instrumentation and research. The Laboratory Research Specialist will also provide training to faculty, staff, and students in basic molecular biology techniques commonly used in the Molecular Systematics Laboratory

Required minimum qualifications: a Masters degree in Biological Sciences or a relevant field and 3 years of relevant work experience OR a Ph.D. in Biological Sciences or a relevant field.

Preferred Qualifications: experience with high-throughput molecular data collection, as well as data management and analysis, are essential. Applicants must have demonstrated proficiency with up-to- date molecular biology approaches, including standard and alternative methods of DNA extraction, standard laboratory skills for PCR and cloning, gel electrophoresis, DNA sequencing and microsatellite optimization and analysis. Knowledge of automated DNA sequencer usage and troubleshooting is preferred. Must demonstrate familiarity with genetic analyses of sequence and/or microsatellite data and the ability to learn computer analysis programs. Mac and PC platform proficiency required.

For more information see http://www.as.ua.edu/-biology/ and http://www.as.ua.edu/biology/-www.as.ua.edu/biology/scf/index.html. To have questions addressed, please contact Dr. Phillip Harris at pharris@bama.ua.edu. Closing date is 20 Sept. 2007.

Visit Employment Opportunities at jobs.ua.edu for more information and to apply.

Phillip M. Harris, Ph.D. Assistant Professor and Curator of Fishes Dept. of Biological Sciences Box 870345 The University of Alabama Tuscaloosa, AL 35487-0345

Phone: 205-348-1831 FAX: 205-348-6460

pharris@bama.ua.edu

http://bama.ua.edu/ ~ pharris/lab pharris@bama.ua.edu

UAlbany LabManager PopGenetics

A laboratory manager (staff assistant) to be based in the Department of Biological Sciences at the University at Albany-State University of New York is sought to work on evolutionary and population genetics projects beginning in mid-September. Experience with high-throughput molecular data collection, as well as data management and analysis, are essential. Applicants must have demonstrated proficiency with wet bench methods in population genetics, including standard and alternative methods of DNA extraction from degraded

tissues such as scat, hair, bone and historical samples, standard skills for PCR and cloning, DNA sequencing and microsatellite optimization and analysis, and SNP analysis. Knowledge of automated DNA sequencer usage and troubleshooting is preferred. Applicants must hold a bachelors or masters degree(s) in biology, zoology, anthropology or related field. Degrees must be from a college or university accredited by a US Department of Education or internationally recognized accrediting organization. Preference will be given to applicants with work experience (2-5 yrs.), data management skills, and proficiency with analytical software programs.

The initial appointment will be for six months. Salary and benefits are competitive. Interested applicants should send a cover letter detailing their experience and interests, CV and contact information for 3 references to Dr. Katy Gonder (gonder@albany.edu). Applicants must address in their applications their abilities to work with and instruct a culturally diverse population. Initial review of applications will begin immediately and will continue until the position is filled. The University at Albany is an EO/AA/IRCA/ADA employer.

mg375378@albany.edu mg375378@albany.edu

UAlgarve 6 GenomicsBioinformatics

The following researcher positions are available at CCMAR - Center of Marine Sciences, at the University of Algarve, in Faro, Portugal

Metagenomics http://www.ccmar.ualg.pt/-ver_pdf.php?c=3&i Environmental Genomics http:/-/www.ccmar.ualg.pt/ver_pdf.php?c=3&i Bioinformatics http://www.ccmar.ualg.pt/ver_pdf.php?c=3&i Functional Genomics of Fish Behaviour http://-www.ccmar.ualg.pt/ver_pdf.php?c=3&i Functional Genomics of Endocrine Factors and Their Targets http://www.ccmar.ualg.pt/ver_pdf.php?c=3&i Ecology and Evolution of Marine Populations http://www.ccmar.ualg.pt/ver_pdf.php?c=3&i eserrao@ualg.pt

UAlgarve 6 GenomicsBioinformatics 2

Correction on the links for the 6 researcher positions available at CCMAR - Center of Marine Sciences, at the University of Algarve, in Faro, Portugal

please enter into: > > http://www.ccmar.ualg.pt/-instit_bolsas.htm > and then select research scientist positions

Metagenomics

Environmental Genomics

Bioinformatics

Functional Genomics of Fish Behaviour

Functional Genomics of Endocrine Factors and Their Targets

Ecology and Evolution of Marine Populations

eserrao@ualg.pt

UArkansasFayetteville BiodiversityChanges

Endowed Chair, Global Change Biology

University of Arkansas, Fayetteville

The Department of Biological Sciences is continuing its search for an energetic leader in Global Change Biology. We seek to expand our department's core areas of research to include the biotic and evolutionary consequences of environmental change, effects of climate change on biodiversity, and through leadership of the Endowed Chair, continue to build the department's mission in research and training, and establish an international reputation in global change biology.

Rank is open, and candidates must have a Ph.D., postdoctoral experience, and a demonstrated record of research evident from significant extramural funding and publications in recognized, peer- reviewed scientific journals and books. We envision hiring an accomplished and creative scientist who can work with department faculty whose interests range from molecular

biology to ecology and evolutionary biology, as well as faculty across campus, to help focus local, national, and international attention on the causes and consequences of global climate change.

The University of Arkansas is a land grant institution and the state's main Ph.D. granting institution with an enrollment of over 18,000 students. Department facilities include the university's Stable Isotope Laboratory, the USGS Cooperative Fish and Wildlife Research Unit, a recently constructed 40,000 ft2 research building, a recently renovated green house, and a modern, renovated office and classroom building. The department is a sustaining member of the Organization for Tropical Studies (OTS). Allied campus facilities include the DNA Resource Center, advanced resources for geospatial analysis at the Center for Advanced Spatial Technologies, the Department of Geosciences' Tree-Ring Laboratory, and water and soil analyses at the Arkansas Water Resources Center.

This Endowed Chair was made possible by a generous gift of $300 million in 2002 from the Walton Family Foundation that has helped increase the overall university endowment to near $1 billion. In addition to a number of endowed chair positions across campus, these funds were also dedicated to establishing a new Honors College, increasing funding for Mullins Library, and significantly increasing funds for graduate student stipends. The endowment for the Chair in Global Change Biology is $1.5 million.

The University of Arkansas is located in Fayetteville on the western edge of the Ozark plateau. Proximity to the Ozark National Forest and many natural areas, as well as many nearby streams, rivers, and lakes has made northwest Arkansas a popular tourist destination as well as an attractive and affordable place to live. A progressive city government, a thriving economy, and a host of cultural amenities in a small town atmosphere have contributed to Fayetteville's reputation as one of the most livable cities in the country.

Application review is ongoing and will continue until the position is filled. Send a curriculum vitae, statements of research and teaching interests, specific plans for advancing the department's focus in global change biology, and at least three letters of recommendation to Dr. Steven J. Beaupre, GCB Search Committee Chair, Department of Biological Sciences, SCEN 632, 1 University of Arkansas, Fayetteville, AR 72701. Please visit http://biology.uark.edu/ . The University of Arkansas is an Equal Opportunity/Affirmative Action Employer. Applicants must have proof of legal authority to work in the United States at the time of hire.

wetges@uark.edu wetges@uark.edu

UBath QuayleChair EvolBiol

UNIVERSITY OF BATH

Department of Biology and Biochemistry

Quayle Chair of Biosciences

Candidates for this senior established Chair should have a track record of world-leading research and the potential to sustain this at Bath. The appointment package will include two additional junior appointments to be made in an area chosen by the person appointed.

The appointment will be made in an area of existing Departmental research strength (see http://-www.bath.ac.uk/bio-sci/index.htm) with the person appointed expected to establish and sustain an independent, world-leading and rigorous externally funded research programme.

Informal enquiries for this post may be made to the Head of Department, Dr Richard Hooley (email r.a.hooley@bath.ac.uk).

Salary level will be by negotiation.

Closing date for application: 4 October 2007.

Further details of the posts can be found at http://-www.bath.ac.uk/ jobs or from the Department of Human Resources, University of Bath, Claverton Down, Bath BA2 7AY, email jobs@bath.ac.uk, tel 01225 386026 or the 24-hour answerphone service on 01225 386924 quoting reference given above.

http://www.bath.ac.uk/jobs Laurence D. Hurst Professor of Evolutionary Genetics Department of Biology and Biochemistry University of Bath Bath Somerset, UK BA2 7AY

tel: +44 (0)1225 386424 fax: +44 (0)1225 386779 email: l.d.hurst@bath.ac.uk

Laurence Hurst <l.d.hurst@bath.ac.uk>

UCaliforniaMerced Evolution of Development Mechanisms

Area: Developmental Biology

Position Title: Assistant, Associate or Full Professor

Position Codes: ASNS1235A (assistant), ASNS1236A (associate or Full)

Description: The University of California is creating a dynamic new university campus and campus community in Merced, California, which opened in September 2005 as the tenth campus of the University of California and the first American research university built in the 21st century. In keeping with the mission of the University to provide teaching, research and public service of the highest quality, UC Merced provides new educational opportunities at the undergraduate, masters and doctoral levels through three academic schools: Engineering, Natural Sciences and Social Sciences/Humanities/Arts.

The School of Natural Sciences at the University of California, Merced invites applications from exceptional scholars and teachers at the Assistant, Associate or Full Professor level in Developmental Biology. Developmental biology is a highly interdisciplinary field including, but not limited to the observation of embryonic development from the single cell to mature organism, gene regulation, intercellular communication, intracellular signaling, cell fate decisions, organization of body plans and evolution of developmental mechanisms, in traditional as well as novel model organisms.

The University of California at Merced is an affirmative action/equal opportunity employer with a strong institutional commitment to the achievement of diversity among its faculty, staff, and students. The University is supportive of dual career couples.

Qualifications: We seek distinguished scholars with a keen interest in founding a new university, who will establish a creative, vigorous research program in a multidisciplinary environment, and teach effectively at both the undergraduate and graduate levels. We require a commitment to excellence, and a commitment to education and outreach for students of diverse backgrounds, particularly disadvantaged students.

Salary: Salary is negotiable, based on University of California pay scale

Closing Date: 11/30/2007

To Apply: Interested applicants are required to submit 1) a cover letter 2) curriculum vitae 3) statement of research 4) statement of teaching and 5) a list of three references with contact information including mailing address, phone number and e-mail address (for associate or full professor level). Assistant professor level pplicants should also arrange to have three letters of recommendation sent to Dev_Biology@ucmerced.edu before the closing date.

Apply Online:

Associate or Full professor level:

http://jobs.ucmerced.edu/n/academic/-position.jsf?positionId36 Assistant professor level:

http://jobs.ucmerced.edu/n/academic/-position.jsf?positionId35 For more information: Please contact Professor Michael Colvin (mcolvin@ucmerced.edu), Search Committee Chair

Monica Medina Assistant Professor and Founding Faculty School of Natural Sciences University of California, Merced mailing address: 4225 Hospital Rd, Atwater CA 95301-5142 tel: 209-228-7863 fax: 209-228-4053 mmedina@ucmerced.edu http://-/qsb.ucmerced.edu/faculty/mmedina/lab/ Monica Medina <mmedina@ucmerced.edu>

UCopenhagen EvolutionaryMedicine

Temporary Associate Professorship in Evolutionary Medicine, Department of Biology, University of Copenhagen

As part of a special initiative by the Danish National Research Foundation for recruiting top talent from abroad, a position as temporary Associate Professor in Evolutionary Medicine is available with 1 May 2008 as preferred starting date. The position will be located within the Centre for Social Evolution (http://www.bi.ku.dk/cse/) at the Department of Biology of the University of Copenhagen. Information about the Department can be found at http://-www.bi.ku.dk. Inquiries concerning the position can be made to Professor Jacobus J. Boomsma, Department of Biology, Universitetsparken 15, DK - 2100 Copenhagen Ø, Denmark; Phone (+45 35321340; E-mail: JJ-Boomsma@bi.ku.dk.

The appointee is expected to pursue a vigorous research program in a cutting edge area of Evolutionary Medicine, based on personal expertise developed during relevant PhD and postdoctoral work. Potential to initiate collaborative research with other Copenhagen centers of excellence, e.g. The Center for Comparative Genomics (http://www.evolutionarygenomics.dk/-comparativegenomics/), The Wilhelm Johannsen Centre for Functional Genome Research (http://-www.wjc.ku.dk/), The Centre for Medical Parasitology

(http://www.cmp.dk/), or The Center for Macroecology (http://www.macroecology.ku.dk/) will be considered an asset.

The successful candidate will play a key role in developing Evolutionary Medicine as an interdisciplinary field in connection to a wider program that is currently being promoted by the International Association of Research Universities (http://ageing.iaru.ku.dk/) as part of an 'Ageing, Longevity and Health' initiative.

The position will be for 3 years, with the possibility for prolongation, depending on the appointee's achievements and the external funding situation. The successful candidate is expected to develop an MSc-level course in Evolutionary Medicine and to make contributions to PhD-level courses in related fields.

Terms of appointment and payment accord to the agreement between the Ministry of Finance and The Danish Confederation of Professional Associations on Academics in the State. Salary will be about 33,000 Dkr per month with an additional 17.1% pension allowance. Foreign nationals employed in research positions are likely to be entitled to a flat rate taxation of 25% during their first three years of residence in Denmark.

Applications must be in English and include in the following order: Curriculum vitae Description (max. 5 pages) of current and proposed research including its possible interfaces with other research programs at the University Documentation of teaching experience and other qualifications Full contact details (name, address, telephone & email) of 2 referees Complete list of publications with indication of which papers (max. 10) the applicant considers particularly relevant

The university welcomes applications from qualified candidates regardless of age, gender, race, religion or ethnicity. The original application must be sent to: Rector of the University of Copenhagen, Faculty of Science, Attn: 211-0123, Voldgade 3, DK-1350 Copenhagen K. Three copies of the application, including three copies of each of the papers (max. 10) the applicant considers particularly relevant, must simultaneously be sent to Lone K. J, Department of Biology, Universitetsparken 15, DK - 2100 Copenhagen Ø, Denmark, Attn: 211-123.

Deadline for applications is October 2, 2007 at 12:00 a.m. Applications received thereafter will not be considered.

Application materials will not be returned and will be destroyed after the evaluation has been completed.

Evaluation of applicants will primarily consider their level of documented, original scientific production at an international level, including contributions to developments in their field. The managerial and teaching qualifications of applicants will also be considered. Evaluation guidelines subject to revisions, are available in English and Danish and includes the following: Applicants will be notified of the composition of the Evaluation Committee. Applicants must provide supplementary documentation if requested by the committee. Applicants may be summoned for an interview and/or requested to give a trial lecture. Each applicant will receive the part of the written evaluation relating to him/herself.

"D'Ettorre, Patrizia" <PDEttorre@bi.ku.dk>

UGuelph ExecDirector BarcodeOfLife

Executive Director, International Barcode of Life Project(temporary full-time, initially for two years)

Canadian leaders in DNA barcoding of animals, fungi, plants and protists are partnering with out-standing scientists in 25 other nations to pursue the goals of the International Barcode of Life (iBOL) Project.The project, which has a planned budget of $150M over 5 years, builds on $30M of prior investments in DNA barcoding,largely within Canada and the United States.The iBOL project is now entering a phase in which its participating researchers will assemble a proposal which will seek funding commitments from member nations and other organizations.Within Canada,iBOL is being proposed as an International Consortium Initiative to Canadian federal and provincial agencies with interests in genomics and/or biodiversity.

Position Description:Located at the Biodiversity Institute of Ontario in Guelph,ON,and report-ing to the iBOL Scientific Director, the Executive Director will coordinate the administrative and operational activities required for iBOL to achieve formal designation as an International Consortium Initiative and to position the project for success once funding is awarded. Specific responsibilities will be to: oversee the administrative and operational activities and obligations of the iBOL corporation,including budget,governance,staffing,internal and external reporting,communications,and cultivation as well as development of international relationships;coordinate com-

plex and critical funding propos-als; build participative buy-in among already committed and prospective funding sources; promote communication and collaboration among the participating international research groups; support ar-ticulation by the scientific leadership of iBOL of an over-arching vision that leverages the combined members' expertise to create novel results and research resources for the scientific community; and other associated duties.

Required Qualifications, Skills & Abilities:Graduate education in life sciences or equivalent;MBA or equivalent;10+ years of related professional experience,preferably with 5+ years in a life sci-ences or biomedical research organization in the public or private sector, and 5+ years as a manager;excellent verbal and written communication skills;strong organizational and management skills;ability to work independently, prioritize and multitask efficiently; strong interpersonal skills; background in financial management; leadership skills and the capacity to stimulate enthusiasm for the project and the organization; event planning.

Those interested should view the full advertisement at www.uoguelph.ca/hr/jobpost. Further information on the International Barcode of Life Project, is available at www.DNAbarcoding.org . Submit your resumé in confidence to: smannhar@uoguelph.ca by September 30, 2007.We thank all applicants for their interest, but wish to advise that only those selected for an interview will be contacted.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Guelph is committed to an employment equity program that includes special measures to achieve diversity among its faculty and staff. We therefore particularly encourage applications from qualified aboriginal Canadians, persons with disabilities, members of visible minorities and women.

M. Alex Smith PhD Research Program Coordinator Biodiversity Institute of Ontario 579 Gordon Street University of Guelph Guelph, Ontario, Canada N1G 2W1 phone - 519-824-4120 ex 52007 fax - 519-824-5703 www.biodiversity.ca www.barcodinglife.org

UHawaii Temporary EvolBiol

University of Hawaii

3 TEMPORARY FACULTY POSITIONS: Animal Physiology, Developmental Biology, and Animal Behavior

The Department of Zoology at the University of Hawaii seeks temporary faculty to teach upper-division courses in Animal Physiology, Developmental Biology, and Animal Behavior for Spring 2008. Duties will include teaching one course and coordinating labs with TAs. Applicants may apply to teach more than one course. A completed Ph.D. and college or university teaching experience are required (TA experience is acceptable for junior applicants). Research and collaboration with members of the UH community is possible for interested applicants. Applications should include a cover letter, teaching statement, curriculum vitae, and the names and contact information for three referees. Inquiries and applications may be sent via e-mail to zsearch@hawaii.edu.

Review of applicants will begin October 8 and will continue until filled. UH Manoa is a public, land- space- and sea- grant research institution committed to basic and applied research, teaching and service. Located in the lovely Manoa valley, it is minutes from downtown Honolulu and Waikiki. Faculty maintain labs on the Manoa campus, Kewalo Marine labs, and the Hawaii Institute of Marine Biology.

Marguerite A. Butler Department of Zoology University of Hawaii 2538 McCarthy Mall, Edmondson 259 Honolulu, HI 96822

Phone: 808-956-4713 Lab: 808-956-5867 FAX: 808-956-9812 Dept: 808-956-8617 http://www2.hawaii.edu/-˜ mbutler http://www.hawaii.edu/zoology/ mbutler@hawaii.edu mbutler@hawaii.edu

UKansas EvolGenomics

EVOLUTIONARY GENOMICS SCIENTIST

The Department of Ecology and Evolutionary Biology at the University of Kansas invites applications for a tenure-track faculty position at the Assistant Professor level. Position is expected to start August 18, 2008. The successful candidate will maintain a strong, extramurally funded research program, teach undergraduate and graduate courses in genetics and/or evolutionary biology and areas of expertise, mentor graduate and undergraduate student research, collaborate widely, and contribute to service activities of the department, the university, and the national/international scientific

community. Duties: conduct experimental research in the field of evolutionary genomics. Preference will be given to candidates with a research program that (1) combines molecular and classical genetic approaches to study a genetically tractable organism, and (2) develops theory in relation to his/her experimental work. Required qualifications: Ph.D. or terminal degree in an appropriate field expected by start date of appointment; postdoctoral experience in genomics or a related field; demonstrated excellence in research in evolutionary genetics/genomics; commitment to service and to undergraduate and graduate student education; and commitment to seeking extramural research funding. Women, minorities, and candidates who will contribute to the climate of diversity in the College, including diversity of scholarly approaches, are especially encouraged to apply. For a complete position announcement and requirements, please see the KU College of Liberal Arts & Sciences website at www.clas.ku.edu. To apply: submit curriculum vitae (with e- mail address), reprints of key papers, statements of current and future research plans and teaching philosophy that includes course- development interests, and have at least three letters of recommendation sent to: Dorothy Johanning, Dept. of Ecology & Evolutionary Biology, University of Kansas, 1200 Sunnyside Ave., Lawrence, KS 66045-7534 (e-mail: jdorothy@ku.edu). Review of applications begins 15 October 2007 and continues until position is filled. For more information, visit http://-www.ku.edu/˜eeb. EO/AA Employer.

Dr. Stuart J. Macdonald

Department of Ecology and Evolutionary Biology Department of Molecular Biosciences 1030 Haworth Hall 1200 Sunnyside Avenue University of Kansas Lawrence KS 66045 ### tel: 785-864-5362 fax: 785-864-5321 email: sjmac@ku.edu web: http://web.ku.edu/sjmac/ ###

sjmac@ku.edu sjmac@ku.edu

ULosAndes Columbia EvoDevo

UNIVERSIDAD DE LOS ANDES, Bogotï¿½

TROPICAL PARASITLOGY The Department of Biological Sciences at the Universidad de los Andes (Bogotï¿½, Colombia) seeks to fill a position for a full time assistant or associate professor with formal training and research experience in Tropical Parasitology. Applicants must have a Ph.D. degree, preferably with postdoctoral research and teaching experience. Researchers with experience in the biology and population genetics of parasites, neotropical insect vectors, and entomology are especially encouraged to apply.

EVOLUTIONARY DEVELOPMENTAL BIOLOGY The Department of Biological Sciences at the Universidad de los Andes (Bogotï¿½, Colombia) seeks to fill a position for a full time assistant or associate professor with formal training and research experience in Evolutionary Developmental Biology. Applicants must have a Ph.D. degree, preferably with postdoctoral research and teaching experience. Researchers with experience in the use of molecular tools to study Evolutionary Developmental Biology are especially encouraged to apply.

PALENTOLOGY The Department of Biological Sciences at the Universidad de los Andes (Bogotï¿½, 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 15, 2008 to:

Faculty Search Committee Departamento de Ciencias Bioliï¿½gicas Universidad de Los Andes Carrera 1 No. 18A-10 P.O. Box 4976 Bogotï¿½, Colombia ccontbio@uniandes.edu.co

UNIVERSIDAD DE LOS ANDES, Bogotï¿½

PARASITOLOGï¿½A TROPICAL El Departamento de Ciencias Bioliï¿½gicas de la Universidad de los Andes (Bogotï¿½, Colombia) requiere un profesor de tiempo completo con formaciï¿½n y experiencia de investigaciï¿½n en Parasitologï¿½a Tropical. Los aspirantes deben poseer tiï¿½tulo de Ph.D., preferiblemente con experiencia posdoctoral en docencia e investigaciï¿½n. El candidato debe estar en disposiciï¿½n de promover y realizar proyectos de investigaciï¿½n. Son especialmente bienvenidos investigadores con experiencia en biologï¿½a y genï¿½tica poblacional de parï¿½sitos e insectos vectores del neotrï¿½pico.

BIOLOLGï¿½A EVOLUTIVA DEL DESARROLLO El Departamento de Ciencias Bioliï¿½gicas de la Universidad de los Andes (Bogotï¿½, Colombia) requiere un

profesor de tiempo completo con formaciï¿½n y experiencia de investigaciï¿½n en Biologï¿½a Evolutiva del Desarrollo. Los aspirantes deben poseer tï¿½tulo de Ph.D., preferiblemente con experiencia posdoctoral en docencia e investigaciï¿½n. El candidato debe estar en disposiciï¿½n de promover y realizar proyectos de investigaciï¿½n. Son especialmente bienvenidos investigadores con experiencia en aplicaciï¿½n de herramientas moleculares para el estudio de la evoluciï¿½n del desarrollo.

PALENTOLOGï¿½A El Departamento de Ciencias Bioliï¿½gicas de la Universidad de los Andes (Bogotï¿½, Colombia) requiere un profesor de tiempo completo con formaciï¿½n y experiencia de investigaciï¿½n en Paleontologï¿½a. Los aspirantes deben poseer tï¿½tulo de Ph.D., preferiblemente con experiencia posdoctoral en docencia e investigaciï¿½n. El candidato debe estar en disposiciï¿½n de promover y realizar proyectos de investigaciï¿½n. Son especialmente bienvenidos investigadores con experiencia en biologï¿½a evolutiva y paleontologï¿½a neotropical.

Se espera que el candidato seleccionado interactï¿½e como profesor y orientador de estudiantes de pregrado y postgrado, y que lidere una lï¿½nea de investigaciï¿½n en el campo propuesto.

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ULouisianaMonroe HeadEvolBiol

Please post.

The University of Louisiana at Monroe invites applications for the position of Head of the Department of Biology. This is a position at the associate or full professor rank with a contract starting date of August 2008 (contingent on funding). The head is expected to have a strong commitment to advancing the research and teaching missions of the undergraduate and MS programs. The department includes 19 faculty, over 300 undergraduate majors, and ~ 30 MS students. The successful candidate will possess a Ph.D. in the biological sciences, demonstrated administrative experience, significant accomplishments in teaching, research productivity, external funding experience, and excellent communication skills. Additional information can be found at www.ulm.edu/biology . Review of applicants will begin immediately and continue until the position is filled. Applicants should send a letter of application, curriculum vitae, summary of teaching, research, and administrative philosophies, and the names and contact information for three references to: Biology Search Committee, College of Arts and Sciences, University of Louisiana at Monroe, 700 University Ave., Monroe, LA 71209.

Russ Minton, Ph.D. Assistant Professor, Department of Biology University of Louisiana at Monroe Monroe, LA 71209-0520 ph: 318-342-1795 fax: 318-342-3312 http://www.ulm.edu/ ~ minton Russ Minton <minton@ulm.edu>

UMemphis PlantEvolBiol

PLANT EVOLUTIONARY BIOLOGIST

Applications are invited for a tenure-track Plant Evolutionary Biologist position, at the Assistant Professor level, in the Department of Biology at The University of Memphis. We are looking for candidates who have botany training, address questions at the organismal level, and show potential to collaborate with existing faculty, but research interests are open. The successful applicant will be expected to develop an externally funded research program, supervise PhD and MS students, and contribute to the teaching curriculum. Candidates must have a PhD and post-doctoral experience, a record of peer-reviewed publication and scholarly accomplishments, and evidence of funding potential are desirable. Anticipated start date is in August 2008.

The University of Memphis is a comprehensive state university with an enrollment of approximately 21,000 students. The Department of Biology offers B.S., M.S., and Ph.D. degrees in Biology. There are approximately 30 faculty, 14 staff, 50 full-time graduate students, and over 700 majors in the department. The department administers the Meeman Biological Field Station, the Ecological Research Center, and is closely affiliated with the Integrated Microscopy Center, the interdisciplinary Bioinformatics Program, and the W. Harry Feinstone Center for Genomic Research.

Additional information: Departmental information (http://biology.memphis.edu), University information (http://www.memphis.edu), or contact Diane Mittelmeier (search coordinator) (901) 678-4469 (dmittlmr@memphis.edu <mailto:dmittlmr@memphis.edu>

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Applicants should submit a letter of application, curriculum vitae, and a concise description of research and teaching interests. Also please send the names, phone numbers and email addresses of at least four references (do not send reference letters) to: Chair, Plant Evolution Search Committee, Department of Biology, The University of Memphis, Memphis, TN 38152. Review of applications will begin October 15, 2007 and may continue until the position is filled. Appointments will be based on merit as it relates to position requirements. Women and minority candidates are encouraged to apply. The University of Memphis is an Affirmative Action/Equal Opportunity Employer.

Dr. Randall J. Bayer, Professor and Chair, Department of Biology, University of Memphis, 3700 Walker Avenue, Memphis, TN 38152

rbayer@memphis.edu rbayer@memphis.edu

UNorthCarolinaGreensboro HeadBiol

Professor and Head

Department of Biology The Department of Biology at the University of North Carolina at Greensboro invites applications and nominations for the position of Department Head. The appointment will be at the rank of Professor with tenure and will be effective August 1, 2008. The Head is expected to provide effective administrative and intellectual leadership for the department, to support the faculty in their work as researchers and teachers, and to build connections for the department with the region and the state. The department has strong faculty research programs, which are supported by funding from agencies such as NIH, EPA, NSF and USDA. The department is currently planning a Ph.D. program, and the Head will work with the faculty to complete its planning and implementation. The department welcomes applications from individuals pursuing research in any area of biology, and particularly encourages those from applicants whose research would enhance the department?s existing strengths. The applicant should have a strong record of research and teaching, including a history of obtaining competitively awarded external grants, and must also be committed to advancing the department?s goal of building upon its nationally visible research profile. Previous administrative experience in a Ph.D.-granting department will be an advantage.

The Department of Biology (http://www.uncg.edu/-bio) is one of 21 departments in the College of Arts & Sciences and has approximately 760 undergraduate majors and 35 Master?s students. The department has 23 tenured/tenure-track faculty positions and 15 full-time lecturers. It is anticipated that additional positions will be allocated to the department following the establishment of the planned Ph.D. program.

UNC Greensboro, one of 16 campuses in the University of North Carolina system, is classified by the Carnegie Foundation as a research university with high research activity. Enrollment is approximately 17,000 students, including 4,000 graduate students, in the College and six professional schools. Greensboro is a city of about 240,000 in the Piedmont Triad region of North Carolina, a location providing easy access to the Research Triangle and to recreational opportunities at the coast and the mountains. The local metropolitan area (which includes the cities of High Point and Winston-Salem) has a population of almost one million and offers an excellent quality of life.

UNC Greensboro is especially proud of the diversity of its student body, and it seeks to attract an equally diverse applicant pool for this position, including women and members of minority groups. It is an AA/EEO employer with a strong commitment to increasing faculty diversity and will respond creatively to the needs of dual-career couples. Review of applications will begin on November 1, 2007, and will continue until the position is filled.

Applicants should submit their vita with a letter explaining their interest in the position, a description of their research program, a description of

their approach to the responsibilities of a Department Head, and contact information for four references. Electronic submission of application materials is preferred and should be directed to TANILE@UNCG.EDU. Mailing address: Dr. Terence A. Nile, Chair, Biology Headship Search Committee, Office of the Dean, 105 Foust Building, UNC Greensboro, Greensboro, NC 27402. Inquiries and applications will be treated confidentially on request.

olav_rueppell@uncg.edu olav_rueppell@uncg.edu

UOtago ConservationBiol

UNIVERSITY OF OTAGO Te Whare Wananga o Otago Dunedin, New Zealand

Lecturer / Senior Lecturer / Associate Professor (Two Positions) http://www.otago.ac.nz/jobs Wildlife Management/Conservation Biology, and Behavioural Ecology/Evolutionary Biology

DEPARTMENT OF ZOOLOGY

Wildlife / Conservation Biologist: Applications are invited from Wildlife and Conservation Biologists and Population / Behavioural Ecologists, with a Conservation Biology focus to teach and develop a research program in population ecology for conservation, pest control and/or harvest management. Evidence of engagement with governmental agencies, NGOs, and/or community groups in the application of research to conservation management would be an advantage.

Behavioural Ecologist / Evolutionary Biologist: Applications are invited from Behavioural Ecologists and Evolutionary Biologists to teach and develop a research program in behavioural ecology/evolutionary biology. The successful applicant will contribute to teaching behavioural ecology at undergraduate and postgraduate levels.

One position will be offered as a fixed-term (three-year) appointment at the level of Senior Lecturer/Associate Professor, and the other as a confirmation-path (tenure track) position at the level of Lecturer/Senior Lecturer. The successful candidates are expected to take up duties by 1 February 2008.

Further information may be obtained from: http://www.otago.ac.nz/zoology/ Specific enquiries may be directed to Professor Alison Mercer, Head of Department: Tel 64 3 479 7961, Fax 64 3 479 7584, Email alison.mercer@stonebow.otago.ac.nz

Reference Number: A07/111. Closing Date: Friday 28 September 2007.

APPLICATION INFORMATION

With each application you must include an application form, an EEO Information Statement, a covering letter, contact details for three referees and one copy of your full curriculum vitae. For an application form, EEO Information Statement and a full job description go to: http://www.otago.ac.nz/jobs Alternatively, contact the Human Resources Division, Tel 03 479 8269, Fax 03 479 8279, Email job.applications@otago.ac.nz

Equal opportunity in employment is University policy.

E tautoko ana Te Whare Wananga o Otago i te kaupapa whakaorite whiwhinga mahi.

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Graham Wallis office +64 3 479 7984 Department of Zoology fax +64 3 479 7584 University of Otago home +64 3 455 4048 PO Box 56, Dunedin g.wallis@otago.ac.nz Aotearoa-New Zealand courier 340 Great King St

Assoc Prof, Genetics http://www.otago.ac.nz/Zoology/staff/academic/wallis.html Assoc Ed, Molecular Ecology http://www.blackwellpublishing.com/journals/mec graham.wallis@stonebow.otago.ac.nz

UPuertoRico Bioinformatics

FACULTY POSITION AT THE UNIVERSITY OF PUERTO RICO

The Department of Biology of the University of Puerto Rico at Río Piedras (http://biology.uprrp.edu) invites applications for a tenure-track position in Bioinformatics. Candidates with expertise in evolution, proteomics/genomics, physiological systems are preferred. Applicants must hold a Ph.D. or equivalent and have postdoctoral experience. Candidates are expected to develop active research programs and to teach at the graduate and undergraduate levels. Interested persons should send résumé, a statement of current and future research and teaching goals, representative publications and 3 letters of reference to: Dr. James Ackerman, Box 23360, UPR Station, San Juan, PR 00931-3360 or email: ackerman.upr@gmail.com. Applications will be reviewed from November 1, 2007, until the position is filled. University of Puerto Rico is an Equal Opportunity Employer. This add appears at http://aaas.sciencecareers.org . The University of Puerto Rico at Río Piedras is the largest campus in the UPR system with approximately 20,000 undergraduate students. The strength of the biology department is in areas focusing on tropical systems/organisms. The department has over 100 graduate students at the Masters and Ph.D. levels, and at the undergraduate level, approximately 10% of our undergraduates continue on to graduate education which is twice the US average. With the department is associated the Institute of Tropical Ecosystems Studies (ITES http://ites.upr.edu/) which is housed on campus and most of the faculty have appointments in biology. We also have close collaborations with the Department of Natural Resources and the US Forest Service.

Department facilities include an herbarium (http://herbario.uprr.pr/), a museum collection, Genotyping and Sequencing facility with an ABI3730xl sequencer

(http://dnaseq.hpcf.upr.edu/), a Bioinformatics satellite laboratory with a 4 terabyte Linux server, a Functional Genomics Research center focusing on microarray technology, a Proteomic Mass Spectrometry facility, a Confocal Microscope facility, and an animal facility. Additionally two GIS laboratories are located within the department. The department maintains a research house in the Luqillo mountains within the El Yunque National Forest, and a research house on the island of Culebra. We are also a short distance from the UPR Botanical Garden where the UPR High Performance Computing Facility (http://www.hpcf.upr.edu/-) is located. The department is a sustaining member of the Organization for Tropical Studies (OTS). Within the department is located the Center for Applied Tropical Ecology and Conservation (http://www.crest-catec.upr.edu/) in which a number of faculty participate.

The University of Puerto Rico is officially bilingual (Spanish/English). Puerto Rico is a commonwealth of the United States, and therefore eligible for full US federal funding support from NSF, NIH, NOAA, USDA, EPA, etc.

Tomas Hrbek <hrbek@uprrp.edu>

UPuertoRico Systematics

FACULTY POSITION AT THE UNIVERSITY OF PUERTO RICO

The Department of Biology of the University of Puerto Rico at Río Piedras (http://biology.uprrp.edu) invites applications for a tenure-track position in Systematics/Biodiversity/Macroecology. The candidate is expected to curate and improve the zoological collection and to implement museum database programs (research interest in invertebrates and strong collections management and curatorial background are desirable). Applicants must hold a Ph.D. or equivalent and have postdoctoral experience. The candidate is expected to develop an active research program and to teach at the graduate and undergraduate levels. Interested persons should send résumé, a statement of current and future research and teaching goals, representative publications and 3 letters of reference to: Dr. James Ackerman, Box 23360, UPR Station, San Juan, PR 00931-3360 or email: ackerman.upr@gmail.com. Applications will be reviewed from November 1, 2007, until the position is filled. University of Puerto Rico is an Equal Opportunity Employer. This add appears at http://-/aaas.sciencecareers.org . The University of Puerto Rico at Río Piedras is the largest campus in the UPR system with approximately 20,000 undergraduate students. The strength of the biology department is in areas focusing on tropical systems/organisms. The department has over 100 graduate students at the Masters and Ph.D. levels, and at the undergraduate level, approximately 10% of our undergraduates continue on to graduate education which is twice the US average. With the department is associated the Institute of Tropical Ecosystems Studies (ITES http://-ites.upr.edu/) which is housed on campus and most of the faculty have appointments in biology. We also have close collaborations with the Department of Natural Resources and the US Forest Service.

Department facilities include an herbarium (http://-herbario.uprr.pr/), a museum collection, Genotyping and Sequencing facility with an ABI3730xl sequencer (http://dnaseq.hpcf.upr.edu/), a Bioinformatics satellite laboratory with a 4 terabyte Linux server, a Functional Genomics Research center focusing on microarray technology, a Proteomic Mass Spectrometry facility, a Confocal Microscope facility, and an animal facility. Additionally two GIS laboratories are located within the department. The department maintains a research house in the Luqillo mountains within the El Yunque National Forest, and a research house on the island of Culebra. We are also a short distance from the UPR Botanical Garden where the UPR High Performance Computing Facility (http://www.hpcf.upr.edu/-) is located. The department is a sustaining member of the Organization for Tropical Studies (OTS). Within the department is located the Center for Applied Tropical Ecology and Conservation (http://www.crest-catec.upr.edu/) in which a number of faculty participate.

The University of Puerto Rico is officially bilingual (Spanish/English). Puerto Rico is a commonwealth of the United States, and therefore eligible for full US federal funding support from NSF, NIH, NOAA, USDA, EPA, etc.

Tomas Hrbek <hrbek@uprrp.edu>

URochester EvolGenomics

FACULTY POSITION in Evolutionary/Comparative Genomics Assistant/Associate Professor of Biology

The Department of Biology at the University of Rochester invites applications for a tenure-track faculty position in evolutionary/ comparative genomics. This position is one of four new faculty positions in genomics to be filled this year as part of a large interdepartmental Initiative in Genomics and Systems Biology (http://-/ aaas.sciencecareers.org/texis/jobsearch/details.html?idFe6c3284a01610&q).

Highly qualified candidates pursuing research in any of the following or related areas are encouraged to apply: genome-scale analysis of population variation; the evolution of genome organization, including gene duplications and non-coding DNA; evolutionary approaches to the study of gene structure, function, regulation, and networks; and phylogenomics. The successful candidate will benefit from the Department's existing strengths in evolutionary genetics (http:// www.rochester.edu/College/BIO/professors/-dept/Ecology+and+Evolutionary +Biology.html), a multidisciplinary research community, and state of the art infrastructure and core facilities at the University of Rochester.

Candidates with a strong record of accomplishment should submit a CV, statement of research interests/plans, pdfs of two publications, and arrange to have three letters of recommendation sent to: Gensys@rochester.edu. As this is one of four new hires this year, please indicate that the application is intended for Position Number 2.

Review of applications will start October 15th.

The University of Rochester is an Equal Opportunity Employer and has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education.

dvnp@mail.rochester.edu

USouthCarolina AquaticGenomics

FACULTY POSITION: MOLECULAR ENVIRONMENTAL GENOMICS IN AQUATIC SYSTEMS

As part of the Water Initiative at the University of South Carolina, applicants are being sought for a tenure track Assistant Professor position in the broad area of gene-environment interactions and the assessment of environmental water quality and impacts of contaminants on patterns of gene expression. This position is part of a cluster of faculty hires with an emphasis on environmental genomics as applied to freshwater ecosystems. Interests may include, but are not limited to, modern genomic approaches to assessing impacts of environmental stressors, e.g. pollutants, on aquatic life or human users of aquatic resources, as well as research related to remediation strategies and water-treatment technologies. This is a joint search involving the School of the Environment and the Department of Biological Sciences in the College of Arts and Sciences and the Department of Environmental Health Sciences in the Arnold School of Public Health.

Applicants should submit a letter of application, a vita, statements of research and teaching interests, contact information for three references, and copies of selected publications to the Chair of the Molecular Environmental Genomics Search Committee, School of the Environment, University of South Carolina, Columbia SC 29208. To ensure consideration, submit an application by 19 October, 2007.

The University of South Carolina is an affirmative action, equal opportunity employer. Women and minorities are encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation or veteran status.

Madilyn Fletcher, Ph.D. Director, School of the Environment Professor, Marine and Biological Sciences University of South Carolina Columbia, SC 29208 Tel: 803-777-9153 Fax: 803-777-5715

"Dr. Madilyn Fletcher" <fletcher@biol.sc.edu>

UTArlington GeneticsGenomics

Tenure-track faculty position GENETICS/GENOMICS The University of Texas at Arlington

As part of its continuing expansion in the areas of Genetics and Genomics, the Department of Biology invites applications for a new tenure-track position at the rank of Assistant Professor. Applications at other ranks will also be considered. Salaries and start-ups are highly competitive.

We are interested in applicants whose research addresses fundamental biological processes and/or evolutionary questions using genetic, genomic and/or computational approaches. There is no preference as to the

organisms under study and applicants working with either model or non-model species, including microbial eukaryotes and viruses, are encouraged to apply.

Applicants must have a Ph.D. and a demonstrated record of research productivity. Successful candidates will be expected to establish vigorous, extramurally funded research labs and participate in both graduate and undergraduate programs. Participation in the Quantitative Biology doctoral program is expected.

Located in the Dallas/Fort Worth metropolitan area, UT Arlington is a large and fast-growing, comprehensive university in The University of Texas System. Information about our dynamic Genome Biology Group at UT Arlington and the Department is available at http://biology.uta.edu/genome_group/ and http://www.uta.edu/biology/. Applicants should submit curriculum vitae; copies of up to five publications; statements of research and teaching interests; and the names, e-mail addresses, and telephone numbers of four persons who can provide letters of reference. Send applications to Dr. Esther Betran, Chair of Genetics/Genomics Search at Department of Biology, University of Texas at Arlington, Box 19498, Arlington, TX 76019-0498. Electronic applications will not be accepted. Review of completed applications will begin 5 November 2007, and will continue until the position is filled.

Hiring will be contingent on the completion of a satisfactory criminal background investigation for security sensitive positions. UT Arlington is an Equal Opportunity/Affirmative Action Employer.

BETRAN@uta.edu BETRAN@uta.edu

UTennessee FungalEvolution

Assistant Professor - Fungal evolution, ecology and/or systematics

The Department of Ecology and Evolutionary Biology at the University of Tennessee, Knoxville, seeks to fill a tenure-track position in evolution, ecology and/or systematics of fungi at the Assistant Professor level, to start August 1, 2008. Areas of interest include fungal evolutionary and/or ecological patterns and processes. Teaching duties will include participation in both undergraduate and graduate courses with opportunity for development of a course in mycology. This position includes supervision and continued development of the excellent UT fungal herbarium. An earned Ph.D. and refereed publications in a relevant field are required. For more information visit the department web site http://eeb.bio.utk.edu and the herbarium web site http://tenn.bio.utk.edu/fungus/fungus.html. Candidates should apply to: Dr. Randall Small, Department of Ecology and Evolutionary Biology, 569 Dabney Hall, University of Tennessee, Knoxville, TN 37996. Applicants should send a curriculum vitae, statements of research and teaching experience and goals, and arrange for three reference letters to be submitted. Applications will be reviewed beginning 8 October 2007 and will continue until the position is filled.

All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, age, physical or mental disability, or covered veteran status.

Eligibility and other terms and conditions of employment benefits at The University of Tennessee are governed by laws and regulations of the State of Tennessee, and this non-discrimination statement is intended to be consistent with those laws and regulations.

In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, The University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the University.

Inquiries and charges of violation of Title VI (race, color, national origin), Title IX (sex), Section 504 (disability), A.D.A. (disability), Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity (OED), 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone (865) 974-2498 (V/TTY available) or 974-2440. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.

rsmall@utk.edu rsmall@utk.edu

UTennessee PlantSoilInteractions

Assistant Professor - Ecosystem Ecologist

The Department of Ecology and Evolutionary Biology

at the University of Tennessee seeks to fill a tenure-track Assistant Professor position in terrestrial ecosystem ecology to start August 1, 2008. We seek candidates who work on interactions and feedbacks between plants, soil, and soil biota in a global change context. Applicants are sought who (1) will develop strong collaborations with scientists at Oak Ridge National Lab and at the University of Tennessee, (2) show evidence of the ability to secure external research funding, and (3) have a demonstrated interest in mentoring undergraduate and graduate students. An earned Ph.D. and refereed publications in a relevant field are required. Teaching will include courses in ecology and advanced courses in the applicant's specialty. Internal applicants are welcome. For more information visit the department web site http://eeb.bio.utk.edu . Candidates should apply to:

Dr. Susan E. Riechert Department of Ecology and Evolutionary Biology 569 Dabney Hall University of Tennessee Knoxville, TN 37996-1610.

Applicants should send a curriculum vitae, statements of research and teaching experience and goals, and arrange for three reference letters to be submitted. Applications will be reviewed beginning October 8, 2007 and will continue until the position is filled.

All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, age, physical or mental disability, or covered veteran status.

Eligibility and other terms and conditions of employment benefits at The University of Tennessee are governed by laws and regulations of the State of Tennessee, and this non-discrimination statement is intended to be consistent with those laws and regulations.

In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, The University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the University.

Inquiries and charges of violation of Title VI (race, color, national origin), Title IX (sex), Section 504 (disability), A.D.A. (disability), Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity (OED), 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone (865) 974-2498 (V/TTY available) or 974-2440. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.

rsmall@utk.edu rsmall@utk.edu

UTexasAustin LabTech HumanEvol

Research Technician University of Texas at Austin

The laboratory of Dr. Deborah Bolnick at the University of Texas at Austin has an opening for a full-time research technician. We use molecular/population genetics to address anthropological questions about human population history, and we analyze both ancient and modern DNA samples. Job responsibilities will include DNA extraction, sequencing, and genotyping, as well as database management, general lab maintenance (ordering supplies, maintaining equipment, etc.), and some supervision of undergraduate researchers. Training will be provided.

Required Qualifications: Bachelors degree or higher in anthropology, biology, or related field.

Preferred Qualifications: Familiarity with the techniques used in anthropological genetics and/or molecular genetics research. Previous experience in a genetics laboratory, including experience with DNA extraction, PCR, gel electrophoresis, and DNA sequencing. Preference will be given to candidates who pay attention to detail, have good organizational skills, produce high-quality results with minimal supervision, and can work collaboratively with others.

This is a full-time position with funding for three years (assuming satisfactory job performance). Salary commensurate with experience and will include benefits.

Please send a cover letter describing your qualifications and interest in the position, your CV, and contact information for three references to deborah.bolnick@mail.utexas.edu. Informal inquiries are also welcome.

Contact Information:

Deborah A. Bolnick Assistant Professor Department of Anthropology University of Texas at Austin 1 University Station C3200 Austin, TX 78712

E-mail: deborah.bolnick@mail.utexas.edu Phone: (512) 471-8514

deborah.bolnick@mail.utexas.edu deborah.bolnick@mail.utexas.edu

UVienna LabTech PopGenetics

Technical Assistant

Position available at the Department of Population Ecology, University of Vienna, Austria http://-/www.univie.ac.at/population-ecology/ Candidates should have a minimum of a highschool with B.S. / BTA (biological technical assistance) or similar qualifications, previous experience in molecular techniques, good data management skills, and fluency in German and English. She/he should work well together with students and a small team but also be able to work independently. Knowledge of biology/ecology is preferred.

Responsibilities include lab support for phylogenetic and molecular ecological studies, field work and insect rearing.

The official job description can be found at http://-/personalabteilung.univie.ac.at/index.php?id=-15786&tx_ttnews[tt_news]A10&tx_ttnews[backPid]580&cHash597347cd7 This is a full time position with an indefinite employment contract commencing on/after 1 November 2007. Annual gross salary is EUR 26,073.

The application deadline is on 11 October 2007. All applications have to be submitted to the following address and stating the code number 22/28-2007/CB:

Personalabteilung der Universitï¿½t Wien Dr. Karl Lueger-Ring 1 1010 Wien Austria

Information on the application procedure, necessary documents and forms are available at http://-/personalabteilung.univie.ac.at/index.php?id=10896
Dr. Martin Wiemers Department of Population Ecology Faculty of Life Sciences University of Vienna Althanstrasse 14 A-1090 Wien Austria Tel. +43 1 4277 57403 http://www.univie.ac.at/population-ecology/
martin.wiemers@univie.ac.at

VictoriaU PlantEvolution

Lecturer/Senior Lecturer/Associate Professor in Plant Biology (A338-07M) School of Biological Sciences - Academic, Faculty of Science, Victoria University of Wellington

We are seeking applicants who are active and productive researchers in disciplines that strengthen or compliment our expanding research and teaching programmes in Ecology and Biodiversity. We are particularly keen to attract candidates in disciplines such as integrated plant structure and function (especially ecophysiology) or in plant evolutionary ecology. Appointees would have the opportunity to contribute to teaching in Ecology and Biodiversity, Marine Biology, Cell and Molecular Biosciences, and Conservation Biology.

Candidates will be expected to undertake research, obtain external funding to support their research activities, and be committed to excellent and innovative teaching. The ideal candidate would form productive research relationships with other members of the School and with scientists at other institutions.

This is a full-time permanent position targeted at the L/SL level an exceptional candidate may be offered an A/P position. A modest amount of consultancy within the University guidelines is allowed to help maintain a staff member's creative and professional skills and to provide experience to enrich the teaching and research activities of the School.

Academic staff share various administrative tasks. Senior academics are expected to assume the more complex and challenging administrative tasks and leadership responsibilities.

For further information about the School refer to: http://www.vuw.ac.nz/sbs/ –

Dr. Giuseppe C. Zuccarello School of Biological Sciences Victoria University of Wellington PO Box 600 Wellington, 6140 New Zealand T:(+64) 4-463-6414; F: (+64) 4-463-5331

Joe Zuccarello <joe.zuccarello@vuw.ac.nz>

VillanovaU MicrobialEvolution

Villanova University Faculty Vacancy: Prokaryotic Microbiology

Tenuretrack Assistant Professor, to begin August 2008. We are considering applicants whose research interests are in any sub-discipline of prokaryotic microbiology including, but not limited to, Microbial Evolution, molecular microbiology, bacterial structure, pathogen-

esis, signal transduction, extremophiles, cell-cell communication, or biofilms. The successful candidate will teach or co-teach an undergraduate laboratory course in Microbiology and additional courses at the undergraduate or masters level related to area of interest. The successful candidate will develop an active research program to involve undergraduate and Masters level students. The faculty member will be expected to direct thesis research by undergraduate seniors and Masters students. Submit application letter, CV, research plans, statement of teaching philosophy and ideas for potential courses, and official undergraduate and graduate transcripts, and have three letters of recommendations sent, to:

Dr. Janice Knepper Chair, Microbiologist Search Committee Department of Biology, Villanova University 800 East Lancaster Avenue Villanova, PA 19085 email: janice.knepper@villanova.edu Phone: (610) 519-7338 Fax: (610) 519-7863

http://www.villanova.edu/artsci/biology/micro/-micro/index.html

Consideration of applications begins 15 October 2007. Villanova is a Roman Catholic university sponsored by the Augustinian order. AA/EEEO employer, Villanova seeks a faculty committed to scholarship, service, and especially teaching. We seek colleagues who understand, respect, and contribute to the university's mission and values. We consider diversity to be essential for advancing our department's educational goals.

Submitted by: Todd Jackman Associate Professor Department of Biology Villanova University 800 Lancaster Ave. Villanova, PA 19085 todd.jackman@villanova.edu 610-519-5502 office, 5503, lab

todd.jackman@villanova.edu
todd.jackman@villanova.edu

WesternWashingtonU EvolGeneticist

Assistant Professorships in Biology

Western Washington University

The Biology Department at Western Washington University, a regional comprehensive university located between Seattle and Vancouver B.C., invites applications for three tenure track, assistant professor positions, beginning September 2008. We seek individuals committed to undergraduate and MS education who will establish vigorous research programs that involve students. Ecological Geneticist: Ph.D. and postdoctoral experience in genetics, ecology, or evolutionary biology required. Applicants must have training in ecological genetics and provide evidence of the ability to teach upper-level courses in general genetics and evolutionary biology. Applicants who are broadly trained with expertise in quantitative genetics and/or genomics and with strong statistical skills are of particular interest. Review begins 10/22/07. Eukaryotic Cellular Molecular Biologist: Ph.D. and postdoctoral experience in eukaryotic cellular and molecular biology required. Applicants must provide evidence of the ability to teach introductory and advanced courses in cell biology or genetics and in molecular biology techniques. We are interested in applicants with expertise in eukaryotic systems at the cellular level, who use molecular and/or genetic methods to address fundamental research questions. Review begins 11/1/07. Neurobiologist: Ph.D. and postdoctoral experience in neurobiology required. Applicants who can contribute a molecular and cellular approach to an emerging Behavioral Neurosciences program are of particular interest. The applicant must provide evidence of the ability to teach introductory animal physiology and advanced courses in neurobiology and in cell biology or genetics. Review begins 11/1/07. See full position announcements, including all required qualifications, at http:// biol.wwu.edu/biology/. To apply, submit curriculum vitae, statements of teaching and research interests, and three letters of reference. All materials should be sent to the attention of Dr. Merrill Peterson, Chair: Ecological Genetics Search Committee; Dr. Jeffrey Young, Chair: Eukaryotic Cellular Molecular Biology Search Committee; Dr. David Leaf, Chair: Neurobiology Search Committee; Biology Department, Western Washington University, 516 High St., Bellingham, WA 98225-9160. AA/EOE

Merrill A. Peterson Associate Professor Biology Department Western Washington University Bellingham, WA 98225 ph: 360-650-3636 fax: 360-650-3148

Merrill Peterson <peterson@biol.wwu.edu>

WillametteU MolGenetEvol

Willamette University's Biology Department welcomes applications for a tenure-track assistant professor of molecular biology and genetics. A PhD and postdoctoral experience with a commensurate record of

publication and scholarly achievement are required. The successful candidate is expected to develop a vigorous research program with undergraduates in an area of molecular genetics and to apply for external grants. Preference will be given to candidates working with model systems that complement existing faculty research programs in molecular development, plant signal transduction or speciation, and that will lend themselves to research at a small liberal arts college. Interdisciplinary interests in biochemistry or computational biology are also highly desirable.

Commitment to excellent undergraduate teaching and experience working with students from diverse ethnic and cultural backgrounds are essential. Responsibilities include courses in introductory level molecular/cell biology & genetics, intermediate level molecular biology, and a research-focused course in the individual's area of interest. Integration of a bioinformatics component is expected. The successful candidate will occasionally coordinate the biology seminar series and contribute to the non-majors general education program.

Applications should include a cover letter describing the candidate's interest in the position, curriculum vitae, research statement (research plans including undergraduate participation), and a teaching statement (experience with and approach to student learning, courses of interest). Candidates must solicit 3 reference letters that address both research and teaching potential. For full consideration, applications should be received by October 15, 2007. Review will continue until the position is filled. Send applications in PDF or Word by email attachment to: molgen@willamette.edu. Inquiries may be addressed to: Barbara Stebbins-Boaz, Search Chair, Biology Department, Willamette University, 900 State St., Salem, OR 97301, bstebbin@willamette.edu.

Willamette University is an institution with a residential College of Liberal Arts of about 1800 undergraduates, as well as schools of law, management and education. It resides across from the capitol in Salem, OR (population 143,000) and is about an hour's drive from the Pacific coast, the Cascades, Portland, Corvallis and Eugene. The academic undergraduate profile is competitive, with a GPA of 3.84 and average composite SAT scores of 1260. Willamette students are recipients of prestigious national awards annually, such as NSF, Watson, Truman, Fulbright and Goldwater fellowships. The Biology Department has 8 full-time faculty and a laboratory educator to assist staff. Faculty research is in part supported through an endowed Science Collaborative Research Program. For more information about the Department of Biology, please visit http://www.willamette.edu/cla/biology/ . 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, Ph.D. Post-doctoral Research Fellow University of Idaho - Department of Biological Sciences Moscow, ID 83844 ph: 208 885 4229 fax: 208 885 7905

csmith@uidaho.edu http://-www.webpages.uidaho.edu/ ˜ csmith/ChrisSmith.htm Beginning Fall 2008:

Assistant Professor Department of Biology Willamette University Salem, OR 97301 503-370-6013

csmith@uidaho.edu csmith@uidaho.edu

YorkU LabTech MolEvol

Job: York University Molecular Ecology Lab Technician

York Universitys Molecular Ecology Lab (YUMEL) has a fulltime, paid lab technician position starting October 2007. Lab research will involve working on an exciting new project examining evolutionary patterns of extrapair paternity and impacts of blood parasites on reproduction (via realtime PCR genetic screening) in purple martins (Progne subis), a migratory songbird.

Skill set will include (but not be limited to) DNA extractions, running gels, DNA quantification, PCR, and microsatellite analyses using an automated DNA sequencer. Molecular lab experience is preferred. The successful candidate must also have excellent interpersonal communication skills, be very responsible, willing to pay close attention to detail and accuracy, have strong computer skills, be very organized, have high regard for working safely with chemicals and equipment, and enjoy working in a collegial environment. The successful candidate will work closely with the YUMEL manager and lead researcher.

Salary will be approximately $2,000/mo (plus health benefits), commensurate with lab experience. This is an excellent opportunity for a recent B.Sc or molecular biotechnology graduate with molecular ecology lab experience to obtain fulltime employment in a comfortable and supportive university research environment,

while also gaining valuable lab research experience and exposure to cutting edge techniques.

Please submit (via email) three separate attachments: (1) a cover letter summarizing your suitability for this position; (2) a research statement thoroughly detailing your relevant research interests and experience; and (3) a current resume/curriculum vitae. Please include e-mail and telephone contact information for three (3) appropriate references at the end of your resume/curriculum vitae.

Application deadline is 21 September 2007 to:

Dr. Scott Tarof, Ph.D. 203H Lumbers Building Dept. of Biology York University Toronto, ON M3J 1P3 (starof@yorku.ca)

Other

ABI upgrade

Dear Evoldir members,

our lab is since 4 years in the possession of an ABI 3130 AVANT (4 capillaries) and very happy with it. Now, we received new funding to have some more genotyping capacity. After having informed at ABI, we heard that the price for an upgrade from 4 to 16 capillaries is the same as a brand new machine with 4 capillaries.

My question is thus, what experienced ABI users would suggest to do: buying a new machine (8 capillaries would be enough for our planned work) or do an upgrade to 16 capillaries, considering that the rest (laser, camera, etc) is already 4 years old. If anybody had to deal with the same decision, I would be happy to hear the reason(s) for their choice.

Any comment/suggestion welcome !

thanks you

Gregory Maes

Gregory.Maes@bio.kuleuven.be

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/eco/index.php Disclaimer: http://-www.kuleuven.be/cwis/email_disclaimer.htm Gregory Maes <Gregory.Maes@bio.kuleuven.be>

Alternative mating phenotypes

Dear Evoldir members!

Could anybody advise me a book or an article concerning on alternative mating phenotypes (and not simple alternative strategies) within female animals? Many thanks in advance!

Yours sincerely: Robert Enyedi

robert enyedi <aphelorrhina@yahoo.com>

Arabidopsis stocks

As part of my dissertation on global population genetic patterns in Arabidopsis thaliana, either I or my collaborators collected silica-dried leaves or seed from over 500 individuals representing over 50 new Arabidopsis thaliana populations. Most of these were in areas for which few or no populations were available, such as the Caucasus region and the Balkan peninsula. Additionally, multiple individuals (usually 8) were collected from most of these new populations.

I recently made 261 of these newly collected lines available through the Arabidopsis Biological Resource Center (ABRC), and I'm maintaining a set of webpages describing each population. These provide details including latitude/longitude, elevation, habitat, approximate population size, and collector. Images from the collection site are often also provided.

These pages can be viewed by following the link to "Arabidopsis thaliana seed stock information" on my website:

http://www.duke.edu/~jbb31/ It is my hope that these new lines continue to spur research involving this model organism, particularly in previously under-studied geographic areas. Please feel free to email me with any comments/questions.

Sincerely, James

– James Beck Department of Biology Duke University Durham, NC 27708 http://www.duke.edu/ ~ jbb31/ "Midnight is where the day begins..." -U2 "Lemon" (2003)

jbb31@duke.edu jbb31@duke.edu

Clone or sequence

Dear Collegues,

I would like to ask you a very simple question. After amplifying a PCR product on an agarose gel and obtaining a very clear unique band, is it necesary to clon into a plasmid and then sequence, or could be the PCR product directly sequenced? If it should be cloned into the plasmid, what is the reason?

Best regards,

Iruka

iruka_kin@yahoo.com

CombiningLoci NetworkAnalysis

Dear community,

Here a question on the use of Nested Clade (Phylogeographic) Analysis.

I'm trying to reconstruct the phylogenetic history of my study organisms (and that are plants). Therefore I sequenced some chloroplast, ribosomal and nuclear regions, but found little variation. Because of this I tested whether these loci gave significantly different phylogenetic signals, which they didn't, so I combined them in my further traditional phylogenetic analysis.

Because of several reasons I also want to construct a network and do some NCPA, but I'm afraid that (just as in the "traditional" method) the individual loci will not contain enough information. So I'm looking for some advice on why I should or shouldn't combine these loci? And is the earlier mentioned partition homogeneity test useful in this respect?

Best regards and thanks in advance,

Philippe Helsen

Philippe Helsen University of Antwerp - Campus Groenenborger Dept. of Biology - Evolutionary Biology Group Groenenborgerlaan 171 B-2020 Antwerp Belgium

philippe.helsen@ua.ac.be phone: xx-32-3-265.34.70 fax: xx-32-3-265.34.74

Creation museum

The Northern Kentucky Visitor's bureau is touting the new "Creation Museum" on its website with the addendum that regular natural history museums turn children's minds against God. The newspaper article about this (from the Cincinnati Enquirer) is below. If you want to protest this, simply go to the webpage of the NKVB and leave a comment. I suggest that evolutionists write them en masse. The space for living comments is at this URL:

http://www.staynky.com/contact_us.aspx Thanks, Jerry Coyne

Museum fight bites bureau Scientist calls Creation Museum plug 'inflammatory' BY MIKE RUTLEDGE | MRUTLEDGE@NKY.COM

*

PETERSBURG - The head of the Kentucky Paleontological Society is criticizing local tourism officials for promoting the Creation Museum using inflammatory language from the museum's Web site.

The Northern Kentucky Convention & Visitors Bureau on its Web site says of the controversial museum: "This 'walk through history' museum will counter evolutionary natural history museums that turn countless minds against Christ and Scripture."

Natural history museums don't turn people against religion, counters Daniel Phelps, paleontology society president. If they did, there would be regular protests outside those museums. "There's many people who are very religious, and they don't have a problem with evolution," Phelps said.

"If the creationists want to say things like that on their own Web site, that's their business," he said.

"I was pretty shocked that a tax-supported entity would do anything like that," Phelps said.

The 60,000-square-foot, $27 million museum has sparked national controversy with assertions that go against the grain of scientific consensus.

The museum declares that Earth is 6,000 years old, rather than about 4.5 billion. It also depicts humans as living at the same time as dinosaurs, which scientists say never happened.

"We do list attractions on our Web site, and the attractions provide the content, because they know the venues best," said Pat Frew, spokesman for the bureau. "We simply provide a listing and description on the Web site as a service to them."

Jerry Coyne <j-coyne@uchicago.edu>

Creation museum multiple more

Date: Wed, 05 Sep 2007 09:57:45 +0300 From: "Anon." <bob.ohara@helsinki.fi> Subject: Other: Creation.museum

evoldir@evol.biology.mcmaster.ca wrote: > The Northern Kentucky Visitor's bureau is touting the new "Creation > Museum" on its website with the addendum that regular natural history > museums turn children's minds against God. The newspaper article > about this (from the Cincinnati Enquirer) is below. If you want to > protest this, simply go to the webpage of the NKVB and leave a > comment. I suggest that evolutionists write them en masse. The space > for living comments is at this URL: > > http://www.staynky.com/-contact_us.aspx > > According to the Panda's Thumb (<http://www.pandasthumb.org/archives/2007/-09/visitors_bureau.html>), they have changed it. See the article here: <http://news.enquirer.com/-apps/pbcs.dll/article?AID=/20070901/NEWS01/-709010361>

And the webpage now says "A walk through history via the pages of the Bible - exploring how scripture provides an eye-witness account of the beginning of all things." (<http://www.staynky.com/-attractions.aspx#museums>)

Which is, at least, better.

Bob

– Bob O'Hara Department of Mathematics and Statistics P.O. Box 68 (Gustaf Hällströmin katu 2b) FIN-00014 University of Helsinki Finland

Telephone: +358-9-191 51479 Mobile: +358 50 599 0540 Fax: +358-9-191 51400 WWW: http://www.RNI.Helsinki.FI/ ~ boh/ Blog: http://deepthoughtsandsilliness.blogspot.com/ Journal of Negative Results - EEB: www.jnr-eeb.org ———-

Date: Wed, 05 Sep 2007 10:12:17 -0400 From: "Reed A. Cartwright" <racartwr@ncsu.edu> Subject: Other: Creation Museum

As a follow up to Dr. Coyne's request yesterday, I will point out that the description of the Creation Museum was changed last weekend after public pressure.

The visitors bureau now describes the creation museum as

"A walk through history via the pages of the Bible exploring how scripture provides an eye-witness account of the beginning of all things."

See http://www.staynky.com/attractions.aspx#museums . For more information you can read what I wrote on the Panda's Thumb about this.

http://www.pandasthumb.org/archives/2007/09/visitors_bureau.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

Cuiusvis hominis est errare, nullius nisi insipientis in errore perserverare. –Cicero

———-

Date: Wed, 5 Sep 2007 07:07:32 -0500 (CDT) From: Jeffrey Marcus <jeffrey.marcus@wku.edu> Subject: Other: Creation.museum

The current listing for the Creation Museum on the Northern Kentucky Visitor's Bureau is as follows:

Creation Museum 2800 Bullittsburg Church Rd Petersburg, KY 41080 (888) 582-4253 (800) 778-3390 www.creationmuseum.org A walk through history via the pages of the Bible—exploring how scripture provides an eye-witness account of the beginning of all things.

One might disagree with the description on a number of levels, but it is not nearly as inflamatory as what was mentioned mentioned in the Cincinnati Enquirer. I suspect the listing was changed after the first emails complaining about it were received. I recommend that all future critiques of the description be focused on the modified text rather than the original text to show that the modified version is also unacceptable. Thanks to Dr. Coyne for bringing this issue to our attention.

Best regards to all, Jeff

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

jeffrey.marcus@wku.edu Office (270) 745-2043 FAX (270) 745-6856

———-

Date: Wed, 5 Sep 2007 08:56:42 -0400 From: Dmitry Musolin <musolin@gmail.com> Subject: Other: Creation.museum.2

Before protesting I tried to check whether there are any 'addendum that regular natural history museums turn children's minds against God' or whether the Bureau on its Web site

— / —

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

DarwinDayPetition

Greetings,

I am a Ph.D. candidate at Portland State University. Our biology graduate student association developed a petition to be signed by scientists requesting libraries and bookstores to reclassify intelligent design (id) books from science shelves to more appropriate places in the library/bookstore. (We call it the "Darwin Day Petition" because it was part of the celebration of Darwin's Birthday 2007.)

We are requesting you to read (and of course sign) the petition, giving your support to our efforts. You can find the petition at: http://sciencea2z.com/z_petition_1/ For more information about the petition: http://www.sciencea2z.com/z_etomite/ There are a couple of points that have been made about our petition. First, our intent to submit the petition to the Library of Congress is for their support and information. Second, the petition can be separately submitted to libraries and bookstores that do classify some of their id books in with evolution, requesting that they

are reshelved to more appropriate areas.

Thank you.

Barbara J. Shaw (for the Darwin Day Petition Committee) Ruedas Lab Department of Biology Portland State University PO Box 751 Portland, OR 97207-0751 503-725-8004 (lab phone)

edmunds@pdx.edu

Estimating Ne

Dear EvolDir,

I am looking for some advice on calculating effective population size from demographic data, specifically, the number of breeding pairs of a colony of birds. I am comparing this estimate to a genetic estimate of (female) long-term effective population size.

Specifically, I was hoping someone might be able to clarify how to calculate Ne from Nb taking into account reproductive success, generation time, meta-population structure, and population fluctuations. All the formulas I have found refer to estimating Ne from Nc (census size), not directly from breeding pairs.

The species in question as a generation time of approximately 6 years, each pair fledges on average 1 chick in a breeding season. I have some data on survivorship of adults as well.

Any input would be most appreciated,

Gabrielle Beans Picon PhD Student Allan Wilson Centre for Molecular Ecology and Evolution Massey University at Auckland New Zealand G.Beans-Picon@massey.ac.nz

– Gabrielle Beans Picon PhD Student

Allan Wilson Centre Institute of Molecular Biosciences Te Kura Putaiao Koiora-a-Ngota Massey University Te Kunenga ki Purehuroa Albany

Building 11 Oteha Rohe Private Bag 102904 North Shore Mail Centre Auckland

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G.Beans-Picon@massey.ac.nz G.Beans-Picon@massey.ac.nz

Free MacClade

Dear Evoldir members:

I'm interested on having MacClade software. Does anyone know if a free full-version of the program does exist?

Javier Sanchez-M. Fontenla Departament of Aquatic Ecology Center for Advanced Studies of Blanes (CEAB-CSIC) C/ Accï¿½s a Cala St. Francesc, 14 17300 Blanes (Girona) - SPAIN Phone: +34 972336101 Fax: +34 972337806 Mail: javisan@ceab.csic.es

javisan@ceab.csic.es

Genetix software questions

Dear Evol Dir!!

The use of Factorial Corresponce Analysis (FCA) in the program Genetix* as become increasingly popular for depicting genotypic relationships among individuals scored at a number of microsatellite loci. I consider this approach nice for exploratory analysis as well as presentations, especially to audiences not necessarily receptive to discussing or viewing Fst-values, trees-of-individuals, or Bayesian assignment probabilities. I do not think this approach should be used as a surrogate for more rigorouse quantitative analysis.

In any case, I have two questions concerning the procedure.

First, the program Genetix limits the size of the data set that can be analysed, and my data sets far exceed this limit. I have written the authors of the program but have received no response. Does anybody know how to increase the data limits of this procedure in Genetix?

Second, and relatedly, can someone explain to me the exact data input structure used to carry out the FCA in Genetix (that is, how are the alleles or genotypes arranged as variables and objects), because if I knew this I should be able to carry out the analysis in any standard statistical package (such as SPSS or SAS), and thus gain both more control and understanding of the analysis and output.

Thanks in advance,

Steve

*Belkhir, K. & Borsa, P. (1998). GENETIX, logiciel-sous WindowsTM pour la genetique des populations. Laboratoire Genome et Populations, CNRS UPR 9060, Universite Montpellier II, Montpellier, France. Available at http://univ-montp2.fr/;genetix/ genetix.htm

steven.weiss@uni-graz.at

Haldane figures

Re: J.B.S. Haldane

Dear Evoldir members:

I am preparing a chapter concerning genetic cartography (in the sense of geographical mapping of population differences) in the frame of a book adressing a linguistic audience. The book will be published by Mouton de Gruyter in 2008.

I this chapter I would like to include one of the gene frequency maps published by J.B.S. Haldane. 1940 ≪The blood-group frequencies of European peoples, and racial origins≫ Human Biology, 12:457-480 since they have an historical interest in the way to represent, geographically, genetic variability.

Unfortunately, I am unable to access the original publication because in France, because of WW2, the issues of those years were not received.

Can you help me to get one of such figures, possibly as a high quality scanning? As a 'reward' I will send to those helping me a copy of the chapter, once it is finished :)

I know this is somewhat an unusual request but I didnt find another solution.

With best regards,

Franz Manni <manni@mnhn.fr> Lecturer National Museum of Natural History Musée de l'Homme 17, Place du Trocadéro 75016 Paris - France

Franz Manni <manni@mnhn.fr>

HTGU sequencing

I would like to hear from anyone that uses the High Throughput Genomics Unit (htSEQ - http://www.htseq.org/) in Seattle, particularly those that have had problems with them. I am having problems at the moment and wish to know if it is a common occurrence with this company.

Thank you

Mark McMullan

Molecular Ecology and Evolution Group Department of Biological Science University of Hull Cottingham Road HU6 7RX Tel. Lab: +44 (0) 1482 465536 M.Mc-Mullan@biosci.hull.ac.uk

M.Mc-Mullan@biosci.hull.ac.uk M.Mc-Mullan@biosci.hull.ac.uk

Important phylogenies answers

Dear Colleagues,

Many thanks to all of you who responded to my query about important phylogenies for my undergraduate seminar. The ideas were excellent, and I've included many of them in my syllabus.

I've compiled a list of papers nominated and the number of votes they received. For formatting reasons, I've stuck it on the web: http://www.facstaff.bucknell.edu/sdjordan/phylogenies.html Best,

Steve

Steve Jordan Department of Biology Bucknell University Lewisburg, PA 17837 Office: 310 Bio. Bldg. +1 570-577-1254 Lab: 331 Bio. Bldg. +1 570-524-3816 Fax: +1 570-577-3537 http://www.facstaff.bucknell.edu/sdjordan/jordan.html

steve.jordan@bucknell.edu steve.jordan@bucknell.edu

L neoniger Question

Dear all at EvolDir:

Hello, We are doing some research regarding mating in Ants specifically Lasis neoniger. We are trying to find some information about female genitalia (exter-

nal) and genital openings. We have been having difficulties obtaining information on Lasius queens' genital anatomy. We can only find some information stating that all openings (Vaginal, Anal) are found within the acidopore. If you can give us some advice or direct us in the direction where one could find more information it would be greatly appreciated. Thanks in advance for your time.

Randy Alessio

Queens College

RAlessio100@qc.cuny.edu

Negative spatial autocorrelation

Hi all.

I am using Genalex to test for spatial autocorrelation in my sample of D-loop DNA sequences. Several of the references of the program say that under a scenario of restricted gene flow one should expect positive spatial autocorrelation at short distances, no autocorrelation at medium distances and negative autocorrelation at large distances (Peakall et al, 2003, Smouse and Peakal 1999, see below). I can understand why the first two would be expected but cannot grasp why pairs of individuals separated by larger distances should be genetically more similar than would be expected under the null hypothesis of no restrictions to gene flow. References given for this statement are for articles that have found that to be the case via computer simulations. Biologically however (or maybe just logically) I don't see a reason for this. Can anyone help me understand?

Many thanks in advance,

Gisselle

Gisselle Perdomo Laboratorio de Ecologï¿½a del Comportamiento Departamento de Estudios Ambientales Divisi?n de Ciencias Biolï¿½gicas Universidad Simï¿½n Bolï¿½var Apdo. 89.000, Caracas 1080-A, Venezuela Telf: (58-212) 906 3043 Fax: (58-212) 906 3039 email: gisselle_p@yahoo.com

Peakall et al 2003 "Under restricted gene flow, and in the absence of selection, such populations will be characterized by positive spatial genetic autocorrelation at short distance classes, subsequently declining through zero and becoming negative (e.g., Turner et al. 1982; Sokal and Wartenberg 1983; Epperson 1990; Smouse and Peakall 1999)."

Smouse and Peakall, 1999 "Subsequent computer studies haver confirmed that positive spatial autocorrelation, declining with distance, develops quickly under restricted gene flow (Sokal and Wartenberg 1983; Sokal et al, 1989; Epperson 1990,1995a,b; Sokal & Jacquez, 1991).

gisselle_p@yahoo.com

Negative spatial autocorrelation answers

Hello everyone.

I received requests for the answers to my negative spatial autocorrelation question so below I have summarised them. I thank everyone (Suzanne Sadedin, Craig Streatfield, Filipe Alberto, Kathryn Elmer, Heribert Hofer, Paul Sunnucks, Ross Croizer and Xavier Turon) very much for their kind attention to it.

It seems I had simply gotten mixed up in a jumble of words (more similar, less dissimilar, more genetic distance: more difference, less distance..). The term negative spatial autocorrelation refers to individuals being less similar (more different) than expected, not the other way around as I said in the past email. Now things do make biological sense to me! I am glad I sent the question not only because this has been made clear to me but because some of the answers, including one from an email sent directly to Genalex authors Peter Smouse and Rod Peakall, have turned my attention to the fact that because of the way calculations are made, a see-saw effect comes into play: if you push up on one side (positive autocorrelation) the opposite side goes down (negative autocorrelation). No pushing on either side makes for a flat see-saw (no autocorrelation, no restrictions to gene flow at the scale that is being measured). I incorporated the see-saw analogy myself and it's not without its imperfections so please see Smouse's explanation below.

Thanks again,

Gisselle

Gisselle Perdomo Laboratorio de Ecologï¿½a del Comportamiento Departamento de Estudios Ambientales Divisiï¿½n de Ciencias Biol?gicas Universidad Simï¿½n Bolï¿½var Apdo. 89.000, Caracas 1080-A, Venezuela Telf: (58-212) 906 3043 Fax: (58-212) 906 3039 email: gisselle_p@yahoo.com

—

Peter Smouse quote:

The correlation of two individuals is defined, relative to what would happen for the average pair in the study, which average is (by virtue of the way the autocorrelation is computed from the covariance matrix) precisely zero. If the average autocorrelation (over the whole data set) is centered at zero (and it is), then if some of the N(N-1)/2 pairs are positively autocorrelated, others must be negatively autocorrelated. Otherwise, the whole set would not average out to zero! If the close neighbors are positively autocorrelated, and they typically are, then those that are more distant will be negatively autocorrelated. As I said, not profound, just a matter of having the algebra add up properly. Another way to say it, in less algebraic terms, is that if some individuals are more correlated (related) than average, others must be less correlated (related) than average, since the average is defined to be "uncorrelated".

gisselle_p@yahoo.com

NematodeEvol survey

Conference on Nematode Evolution — Survey

We are conducting a survey to see how many people would likely attend a major conference on the Evolution & Ecology of Nematodes, which would be held in 2010 at a site in Europe (tentatively in the UK). This conference is intended as the successor to the wildly successful EMBO Workshop on the evolutionary biology of Caenorhabditis held in Portugal in May, 2006. This meeting would cover the evolution of Caenorhabditis species and also of other nematodes. Participants would include basic researchers working in the areas of population genetics, molecular evolution, genome evolution, experimental evolution, developmental evolution, biodiversity and phylogenetics, ecology, and the evolution of parasitism. The meeting would be for both bioinformaticians and wet-lab biologists. The overall goals are to bring together people from diverse fields to further develop the Caenorhabditis system for comparative biology and to better connect it to the wider context of the phylum Nematoda.

To help our application for funding for the conference, we need to know how many people would be interested in attending. . If you are inclined to attend such a conference, please email either of and let us know:

1. What is your position? (principal investigator/postdoc/graduate student/other)

2. If not a PI, with what lab are you affiliated? (give name of PI)

3. If a PI, how many people from your lab would attend?

4. If you attended the 2006 meeting, have you initiated any new collaborations or begun new programs of research as a result? [Note that we may quote some responses in our application.]

Thanks in advance,

Eric Haag (University of Maryland) ehaag@umd.edu

Avril Coghlan (Wellcome Trust Sanger Institute) alc@sanger.ac.uk

Thanks! Eric

Eric S. Haag, Ph.D. ˜ Assistant Professor ˜˜ ˜ Department of Biology ˜ 0256 Biology/Psychology Building ˜ ˜ University of Maryland ˜ ˜ College Park, MD 20742 ˜ ˜ ˜ phone: (301) 405-8534 fax: (301) 314-9358 ehaag@umd.edu http://www.life.umd.edu/-biology/faculty/haag/index.html "I'd rather be here now."

Eric Haag <ehaag@umd.edu>

Phylogenies rates of change

Hi,

A colleague asked me the following question and I'm unable to answer it. Since it sounds like something evoldirians might be familiar with, I though I'd give it a shot here.

Quoting my friend:

"I am interested in comparing rates of morphological change in continuous variables representing two different morphological systems. I've got a well-resolved, dated phylogeny and tons of data, but I'm stumped by two issues.

For one morphological system I can easily define two characters with different functional implications. No problem there. The second system is quite complex and contains seven functionally divergent groups, but I would like to summarize it in a single character in order to compare the two systems in a straightforward manner. I am considering using discriminant function

scores from a classification analysis of the seven groups. Can anyone recommend papers that have done that or, alternatively, reasons why it is a particularly bad idea? I am a little concerned because the first discriminant function describes only 47% of the variation among the groups (DF2 = 25% and DF3 = 18%). I've tried pruning the input variables and trying slightly different groupings but it doesn't get much better than that.

The second issue is associated with comparing rates of evolution. The interesting question for these data is whether one system evolved first and the other later (i.e. did one lead and the other follow) or did they evolve together. I am familiar with Barton and Nunn (Proc. R. Soc. 1999) and will try that method. Since the characters are on much different scales, should I transform them so they have the same range of values before doing the analyses? Also, are there other methods out there that I might try?"

Thanks for any ideas you can share,

Sean

Sean F. Werle, Ph.D. <swerle@bio.umass.edu> Axarus Environmental Consulting and Department of Biology (Adjunct) Morrill Science Center University of Massachusetts Amherst, MA 01003 Cell: 413-348-0032

swerle@ent.umass.edu swerle@ent.umass.edu

Population structure software

HI, can anyone recommend software (or papers) for using selected genetic markers to quantify population structuring? This appears to be an increasingly popular concept, but certainly not routine. Thanks, Bill

Dr Bill Hutchinson Molecular Ecology & Evolution, Biological Sciences, Hull University, HULL HU6 7RX United Kingdom

Tel:- 01482 465804 office 01482 465536 lab Fax:- 01482 465458 http://www.hull.ac.uk/biosci/-staff/academic/MolecularEcologyandEvolution/-Bil lHutchinson.html http://www.hull.ac.uk/-GAS/ http://www.microchecker.hull.ac.uk/ w.f.hutchinson@hull.ac.uk w.f.hutchinson@hull.ac.uk

ReverseTranscription controls

Dear EvolDir members,

I am planing to do quantitative PCR analyses of my gene of interest (GOI) relative to three or more house keeping genes (HGK). Right now I started to validate my HKGs against 1 μg of total RNA I used in my reverse transcription (RT) reaction. I run a two step design with three RT replicates for each RNA sample and two replicates for each during qPCR. The efficiency of my RT reactions varies in extreme up to +/- 20%. So far I realised if the RT has been insufficient, but if all three replicates are equally insufficient I would detect this as an expression difference in this potential HKG. That is why I would like to use an endogenous internal RNA standard as a control of my RT efficiencies. This method is referred as the method of choice in being most accurate but unfortunatly does not seemed to be very common in use. Does someone know if there are RNA standards commercially available and where I can get? Or do I have to produce them by my own? In this case I would kindly ask if someone has a protocol about this.

Would be great if someone could help me out or give me a hint where to find further information about this topic.

Thanks a lot and all the best!

Jan Axtner

Evolutionary Genetics Leibniz-Institute for Zoo- and Wildlife Research (IZW) Alfred-Kowalke-Str. 17 10315 Berlin -Germany-

axtner@izw-berlin.de tel.: +49 (0)30 5168-711 fax.: +49 (0)30 5126-104

"Axtner, Jan" <axtner@izw-berlin.de>

Rodent microsatellites

Dear EvolDir members:

I'm part of a research team in Mexico and we are starting two research projects about population genetics of two mouse species: Liomys irroratus (Heteromyidae)

and Baiomys musculus (Muridae) at a tropical dry forest in central Mexico.

As part of our methods we will use microsatellite analysis, however we haven't found yet any publication or are aware of someone who has obtained so far microsatellite primers for this species, and even for this two rodent genera.

We want to know if any EvolDir member can give us some clue about if someone is working on that and therefore is not yet published or if someone knows a publication (even a technical report) about microsatellite primers for any of this two rodent genera.

Asides, seems it looks highly probable that we'll have to do the microsatellite primers, we want to ask to EvolDir members, if someone can give us insight about potential costs for do this or if, alternatively, it can be done as a payable service and where (e.g. any commercial or non-commercial research lab that can offer this sort of service).

Also, we are open to potential collaborative work with our research project, which can happen through this particular research need of doing the microsatellite primers for both species.

We'll appreciate any help or answer you might be able to provide us.

Best wishes,

David

Dr. David Valenzuela Galvï¿½n Profesor e Investigador Titular "A" Departamento de Ecologï¿½a y Conservaciï¿½n de los Recursos Naturales Centro de Educaciï¿½n Ambiental e Investigaciï¿½n Sierra de Huautla (CEAMISH), UAEM Av. Universidad No. 1001, Col. Chamilpa, Cuernavaca, Morelos, Mï¿½xico, CP 62210 Tel. y Fax: (52) (777) 329 7019. e-mail: dvalen@buzon.uaem.mx

dvalen@buzon.uaem.mx

Sample exchange intertidal zone

Dear all,

I am looking for scientists working in the intertidal zone who could send me marine chironomid larvae or their substrates (I can give detailed instructions for sampling). In turn I could of course look for your respective organism of interest in the places I sample (upcoming: Atlantic coast in southern and northern France).

Please contact me at: tkaiser@ice.mpg.de

Best regards - Tobias Kaiser

Software BAli-Phy 2 0 0

BAli-Phy is a computer program for co-estimating alignments and phylogenies in a Bayesian statistical framework. It avoids bias towards a guide tree by merging alignment estimation and phylogeny estimation into a single step and summing over all alignments weighted by their posterior probability. BAli-Phy understands DNA, RNA, protein, and codon data, and can account for rate heterogeneity among sites using either a log-normal or gamma distribution. http://-www.biomath.ucla.edu/msuchard/bali-phy/ We have recently released version BAli-Phy 2.0.0 with many improvements. It is available on Linux, Windows, and Mac, and the source code is freely available. Improvements include: * Ease of use - and the User's Guide is much improved. * Use Tracer for visualizing MCMC output and results. * Additional plots to visualize alignment uncertainty. * Implement the GTR model for nucleotides. * Handle R,Y,W,S nucleotide patterns in DNA/RNA and codon alphabets. * Easier (optional) compilation [autoconf] * Improved SPR proposals for jointly proposing tree & alignment.

A larger, but still incomplete, list of improvements is here:

http://www.biomath.ucla.edu/msuchard/bali-phy/-news.php To download the software:

http://www.biomath.ucla.edu/msuchard/bali-phy/-download.php To view the User's Guide:

http://www.biomath.ucla.edu/msuchard/bali-phy/-help.php – Benjamin Redelings I <><

benjamin_redelings@ncsu.edu benjamin_redelings@ncsu.edu

Software TreeRot v3

NEW version of TreeRot now available:

http://people.bu.edu/msoren/TreeRot.html Descrip-

tion: TreeRot aids in the determination of decay indices (a.k.a. Bremer support, Bremer 1988 Evolution) by generating a command file for PAUP or PAUP* (Swofford 1993, 2002). The command file includes 1) a constraint statement for each node in a given shortest or strict consensus tree and 2) commands to search for trees inconsistent with each of these constraint statements in turn. TreeRot also automates the determination of partitioned Bremer support values. Although generally used in parsimony analyses, partitioned support indices may also be of interest in a likelihood framework (e.g., Lee & Hugall 2003 Sys. Bio.).

New features in version 3: 1.) TreeRot.v3 has been recoded in Perl and should now run on any operating system! 2.) TreeRot.v3 provides added functionality in the context of partitioned analyses (see Lambkin et al. 2002 Cladistics). 3). TreeRot.v3 outputs decay indices embedded in a NEXUS format tree for easy viewing/formatting in FigTree (http://tree.bio.ed.ac.uk/-software/figtree/).

The code for the new version is all new, so please let me know if you run into any difficulties.

Michael Sorenson Associate Professor Department of Biology Boston University 5 Cummington St. Boston, MA 02215

(617) 353-6983 FAX: (617) 353-6340

msoren@bu.edu msoren@bu.edu

Squirrel textbooks

Dear readers of EvolDir,

Can anyone suggest me good books about squirels? I would like to learn and collect more information about squirels.

Many thanks

Katalin

katalin varga <varg.kata@gmail.com>

Tree algorithm patent

I stumbled onto this patent listing on BioInform and, well, was taken aback by it:

US Patent 7,254,489. Systems, methods and apparatus for reconstructing phylogentic trees. Inventor: Elchanan Mossel. Assignee: Microsoft.

Covers a method for reconstructing a tree data structure by reconstructing a local topology from samples of data of known nodes, and estimating the data value of each node in the reconstructed local topology. The reconstructing and estimating are performed iteratively.

More details at: http://www.freepatentsonline.com/-7254489.html I don't know enough about patents to know if this is even something to worry about. The disclosure of the algorithm is quite difficult to read... It references a Hendy et al article in 1994 but surely there's work that predates 1994 that might be considered prior art...

-jennifer

stein@cgb.indiana.edu

US Federal Funds Earmarked For CreationScienceEducation

For those of you in the US or with ties to the US:

Sen. David Vitter, R-La, has earmarked $100,000 in federal money to go to a religious group, the Louisiana Family Forum, "to develop a plan to promote better science education." This is the same group that successfully lobbied the Ouachita (La) School Board to adopt an anti-evolution education policy.

According to the Times-Picayune: "The group's stated mission is to 'persuasively present biblical principles in the centers of influence on issues affecting the family through research, communication and networking.' Until recently, its Web site contained a 'battle plan to combat evolution,' which called the theory a 'dangerous' concept that 'has no place in the classroom.' The document was removed after a reporter's inquiry."

It looks like the Louisiana Family Forum knows that getting tax-payer money to promote religion in public schools and corrupt science education is unconstitutional and illegal. They are trying to cover their tracks.

The earmark is on page 238 of the report of the "Departments of Labor, Health and Human Services, and Education, and Related Agencies Appropriation Bill, 2008" [link: http://tinyurl.com/yp24ff] . The bill

hasn't been acted on yet, and there is time to remove the earmark. Please contact your senators asking them to remove the earmark and/or redirect the money to an organization in Louisiana that could actually improve science education in the state.

Thank you.

Links to more information:

http://blog.nola.com/times-picayune/2007/09/-vitter_earmarked_federal_money.html http://-austringer.net/wp/index.php/2007/09/23/pork-barrel-antievolution/ http://pandasthumb.org/-archives/2007/09/porkbarrel-anti.html http:/-/scienceblogs.com/dispatches/2007/09/-vitter_gives_federal_money_to.php –

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

Cuiusvis hominis est errare, nullius nisi insipientis in errore perserverare. –Cicero

racartwr@ncsu.edu

US Federal Funds Earmarked For CreationScienceEducation 2

To U.S. citizens who want to do something about the Vitter earmark: It is important to include the number of the Senate Bill to which the earmark is attached (S 1710). Also, be sure to state the purpose of the letter first, with the arguments after. This helps the staff categorize the letter appropriately by topic and by your position is on the issue.

Here is an example (with thanks to Reed Cartwright for most of the text):

Honorable Senator Feinstein:

Sen. David Vitter, R-La, has earmarked $100,000 in federal money to go to a religious group, the Louisiana Family Forum, "to develop a plan to promote better science education." This is the same group that successfully lobbied the Ouachita (La) School Board to adopt an anti-evolution education policy.

Please remove the earmark and/or redirect the money to an organization in Louisiana that could actually improve science education in the state. The earmark is on page 238 of the report of the "Departments of Labor, Health and Human Services, and Education, and Related Agencies Appropriation Bill, 2008 Report on the Committee on Appropriations U.S. Senate on S 1710" [link: http://tinyurl.com/yp24ff] . According to the Times-Picayune: "The group's stated mission is to 'persuasively present biblical principles in the centers of influence on issues affecting the family through research, communication and networking.' Until recently, its Web site contained a 'battle plan to combat evolution,' which called the theory a 'dangerous' concept that 'has no place in the classroom.' The document was removed after a reporter's inquiry."

It appears that the Louisiana Family Forum knows that getting tax-payer money to promote religion in public schools and corrupt science education is unconstitutional and illegal. They are trying to cover their tracks.

It is important for the security of the United States that students in Louisiana and the United States as a whole not have their science education corrupted and diluted by introduction of religious doctrine in the form of "creation science," "intelligent design," or other dogma-driven formulas that fail to use the scientific method.

Sincerely, Ellen L. Simms Professor and Co-Chair Department of Integrative Biology University of California, Berkeley 3060 Valley Life Sciences #3140 Berkeley, CA 94720-3140

Ellen Simms <esimms@berkeley.edu>

USLibraryCongress petition

All:

The graduate students at my institution have created an online petition to reclassify non-science books from science categories in bookstores and libraries. To quote from the first paragraph of their petition:

"As scientists, we feel strongly that categorizing Intelligent Design ("ID") as science is both inappropriate and misleading. Local bookstores and libraries unintentionally exacerbate this misleading categorization when they shelve ID books and legitimate science texts in the same section . Our goal is to convince the U.S. Library of Congress to re-classify ID books into sections other than the science section."

If this is something about which you feel strongly (or even are lukewarm!), I urge you to support their

petition. Check URL: http:// www.sciencea2z.com/-z_etomite/ Sincerely

Luis A. Ruedas Associate Professor, Department of Biology Director, Museum of Vertebrate Biology Portland State University

mfish@pdx.edu mfish@pdx.edu

PostDocs

ATER EcolePratiquedesHautes Genomics

Title: Post-doctoral position / teaching assistant (ATER) Department: Ecole Pratique des Hautes Etudes, UMR5244 CNRS-EPHE-UPVD ï¿½ Ecologie Tropicale et Mï¿½diterranï¿½enne ï¿½, Based on the campus of the University of Perpignan City: Perpignan Country: France

Position available immediately Net salary: 1300 euros/month

Job description: The candidate will be responsible for a genomic project on a marine bivalve. Research is directed according to two principal axes: - Axis 1: Protein study constitutive of the shell, identified beforehand in other mollusc species - Axis 2: Comparison of gene expression in wild and albino individuals

Duties/Responsibilities: - Comparison and alignment of multiple sequences, search for homologous genes - Extraction of DNA and RNA - Designing of primers, PCR - Quantitative PCR - Purification of mRNA, construction of cDNA library - Construction of a subtractive library of cDNA - Cloning, sequences analyzes - There will be some hours of teaching in French so that French speaking applicants will be favored.

Contact: Serge Planes planes@univ-perp.fr +33 4 68 66 17 11

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Version franï¿½aise :

ATER - Ecole Pratique des Hautes Etudes L'UMR5244 CNRS-EPHE-UPVD ï¿½ Ecologie Tropicale et Mï¿½diterranï¿½enne ï¿½ Basï¿½ sur le campus de l'universitï¿½ de Perpignan

Poste ï¿½ pourvoir immï¿½diatement Salaire net: 1300 euros/mois

Thï¿½matique de recherche : Le candidat sera responsable d'un projet de gï¿½nomique sur du mollusque marin bivalve.

Les recherches sont orientï¿½es selon deux axes principaux : - Axe 1 : Etude de protï¿½ines constitutives de la coquille prï¿½alablement identifiï¿½es chez d'autres espï¿½ces de mollusques - Axe 2 : Comparaison des gï¿½nes exprimï¿½s chez les individus sauvages et albinos

Compï¿½tences - Comparaison et alignement de sï¿½quences multiples, recherche de gï¿½nes homologues - Extraction d'ADN et d'ARN - Dessin de primers, PCR - PCR quantitative - Purification des ARNm, construction d'une banque d'ADNc - Rï¿½alisation d'une banque soustractive d'ADNc - Clonage, analyse de sï¿½quences

Contact : Serge Planes planes@univ-perp.fr Tel: +33(0)4 68 66 17 11

cecile.fauvelot@unibo.it

CornellU MaizeDiversity

Research Associate - Institute for Genomic Diversity

This position is an integral part of a research program aimed at characterizing and quantifying genetic variation in the maize genome and genepool. The goal of this project is to identify genes underlying plant and inflorescence architecture in maize. Principal duties include analysis of phenotypic and genotypic data, publication of the data, presentation of results in scientific journals and at meetings, and necessary training of graduate students and research fellows.

Qualifications: Ph.D. and research experience in quantitative genetic theory, statistical genetics, population genetics relevant to the characterization of population subdivision and other levels of shared ancestries using information from molecular markers; must be familiar with the use of the 'Henderson mixed model' in association mapping (LD mapping) as well as other association mapping methodologies suitable in plant genetics, with SAS programming, with molecular genetics techniques (sequencing and genotyping), and with gene annotation; should have experience in grass genetics. The appointee will be key to the effective operation of an independent research project characterizing maize inflorescence and plant architecture through association mapping as well as the development of corresponding methodologies in quantitative genetics. The appointee must be well-trained and organized and have the ability to work well with staff, visiting scientists, and students. Excellent verbal and writing skills are necessary. Please send cover letter, cv and list of references to: Dianna Smith, Cornell University, 130 Biotechnology Building., Ithaca, NY 14853 or e-mail to dle1@cornell.edu.

Informal inquiries about the position can be directed to Sharon Mitchell at sem30@cornell.edu.

mth3@cornell.edu mth3@cornell.edu

EmoryU HostParasite

Postdoc in Evolutionary Ecology of Host-Parasite Interactions

Position available at Emory University in the laboratory of Nicole Gerardo. Emory sits in the heart of Atlanta, Georgia, a diverse city of 5 million people. The Department of Biology at Emory has a strong focus in host-parasite interactions, and shares strong ties to the Center for Disease Control (CDC), which is less than a block away.

The lab focuses on the evolutionary ecology of host-parasite interactions in insect systems. Initial work will be on interactions of aphids, their bacterial mutualists and bacterial pathogens. For more information about the lab's research, go to http://www.biology.emory.edu/research/Gerard/-Gerardohome.html Candidates should have a background in host-parasite interactions or symbioses, as well as an interest in research combining experimental and molecular approaches to understanding species interactions. Background in experimental biology of insects and/or microbes, molecular ecology, and/or bioinformatics strongly preferred. Postdocs must have strong communication skills and be willing to

help with lab set-up, lab maintenance, and training of undergraduate students. Applicants must have their Ph.D. completed and be able to start between January and September 2008. Salary will start at $35000 for a one year postion with the possibility of continuing on at the NIH payscale thereafter. If interested in the position, please send a CV, cover letter and 3 letters of reference to Nicole Gerardo at ngerardo@email.arizona.edu by October 15th, 2007.

Nicole Gerardo PERT Postdoctoral Fellow University of Arizona Ecology and Evolutionary Biology PO Box 210088 Tucson, Arizona 85721 USA (520)626-8661 (office) (520)626-8344 (lab)

ngerardo@email.arizona.edu ngerardo@email.arizona.edu

ErasmusU Netherlands HumQuantGenetics

Post-doc and/or Ph.D. student positions in

Human Quantitative Genetics

Department of Forensic Molecular Biology Erasmus University Medical Center, Rotterdam, Netherlands

We are interested in the genetic basis of human visible traits and other genetic differences between human individuals and populations for basic research but also for potential future applications to forensics using latest R/DNA incl. genome-wide technologies.

For further departmental interests see www.erasmusmc.nl/fmb We are looking for highly motivated PhD students and/or Postdocs with theoretical and/or practical experiences in molecular and quantitative genetics, populations genetics, association studies etc. Skills in D/RNA technologies and/or statistical data analyses (incl. computer programming) are required.

We offer university positions with all social benefits (PhD students for 4 years: EUR 2295 p/m, Post-docs for max. 5 years max EUR 3584) in a highly international research environment at Erasmus MC.

Applications incl. usual documentation and 3 reference addresses plus motivation letter to Prof. M. Kayser, e-mail: m.kayser@erasmusmc.nl

Deadline: 3 weeks after apperance

Prof. Dr. Manfred Kayser Head, Department of Forensic Molecular Biology Erasmus University Medical Centre Rotterdam PO Box 2040, 3000 CA Rotterdam, Netherlands tel. ++31-10-4638073, fax. ++31-10-4089300 web http://-www.erasmusmc.nl/fmb/ m.kayser@erasmusmc.nl

ETHZurich InsectPlantInteractions

The ETH Applied Entomology Group investigates insect-plant relationships from the molecular to the agroecosystem level, in particular as a basis for more sustainable pest and crop management (www.em.ipw.agrl.ethz.ch). A position with a several years perspective is open for a creative and cooperative scientist with strong Postdoc experience in multitrophic insect-plant interactions and chemical ecology.

Responsibilities include (1) research together with graduate and undergraduate students using state-of-the-art techniques, and (2) participation in teaching and administration.

Languages spoken in the group are mainly English and German.

The position will remain open until filled.

Please send curriculum vitae, a list of methods, and addresses with phone numbers of three references to:

Professor Dr. Silvia Dorn Subject: Position Chem.-Ecol. ETH Zurich Institute of Plant Sciences / Applied Entomology Schmelzbergstrasse 9 CH - 8092 Zurich, Switzerland silvia.dorn@ipw.agrl.ethz.ch

dominique.mazzi@ipw.agrl.ethz.ch

GroningenU NasoniaEvolution

Postdoc position available on Nasonia diapause at Groningen University (Netherlands) For more information http://www.rug.nl/corporate/vacatures/index or Leo Beukeboom

l.w.beukeboom@rug.nl

Leo Beukeboom <l.w.Beukeboom@rug.nl>

IllinoisStateU SexualConflict

POSTDOCTORAL FELLOWSHIP IN BEHAVIORAL EVOLUTION

Illinois State University

A 2-year postdoctoral position is available January 1, 2008 to conduct research on an NSF-supported study focused on sexual conflict in gift-giving insects or a collaborative project investigating reproductive allocation in house wrens. Responsibilities include independent research, some supervision of graduate and undergraduate students, and mentored teaching of one course per year. Salary: $36,000 plus applicable benefits. Applicants seeking more information should contact Scott Sakaluk (sksakal@ilstu.edu). Applications must be submitted at <http://www.illinoisstate.edu/jobs> www.IllinoisState.edu/jobs. Applicant review will begin immediately.

An equal opportunity / affirmative action University encouraging diversity

Scott Sakaluk Professor Phone: 309-438-2161 Department of Biological Sciences Fax: 309-438-3722 Illinois State University email: sksakal@ilstu.edu Normal, IL 61790-4120

<http://www.bio.ilstu.edu/sakaluk> http://-www.bio.ilstu.edu/sakaluk>

Scott Sakaluk <sksakal@ilstu.edu>

INRA Bordeaux OakGenomics

The postdoctoral fellow will explore pangenomic approaches for deciphering species delineation in the case of white oak species (Quercus petraea and Quercus robur). The study will combine systematic genomic scans of nucleotide differentiation between the two species, and QTL mapping of phenotypic traits showing species variation. A major contribution will consist in the bioinformatic analysis of 2000 amplicons that will be resequenced in samples of the two species. The amplicons are selected within the transcribed fraction of the genome, obtained from existing EST libraries (50 000 sequences) corresponding to bud, leaf, root and xylem tissues. Microsynteny with other woody plant genomes (Populus and Vitis) may allow to identify the homologous counterpart of chromosomal regions corresponding to hot spots of differentiation, and focus the scan within these regions. Similarly existing data of QTL for traits exhibiting high level of species differentiation (interspecific Qst) will be compiled. A final comparison of QTL position and scans of nucleotide differentiation will allow to refine the distribution of species differentiation at the whole genome level. The position is opened for one year, starting January 1st 2008. The fellowship is granted by the ANR project $B!H(BTranspecific functional and neutral diversity in model species$B!I(B. The salary will be around 2000 euros net/month. The postdoctoral fellow will be mainly located at the Joint Research Unit $B!H(BBiodiversity, Genes &Communities$B!I(B (http://www.pierroton.inra.fr/-biogeco/genetique/index.html) at INRA Cestas (near Bordeaux, South west of France), in strong interactions with CBIB (Centre de Bioinformatique de Bordeaux) (http://cbi.labri.fr/).

A strong background in population genetics, bioinformatics, and computer science is requested for this position.

Interested candidates are invited to submit by email their application to Antoine Kremer (Antoine.kremer@pierroton.inra.fr) consisting of : - a CV with a list of publications - two or three relevant publications - an application letter - the names and e-mail addresses of three referees.

Sophie Gerber <sophie.gerber@pierroton.inra.fr>

KewGardens Populus HybridZones

Postdoctoral Researcher

Three year fixed term appointment from January 2008

A postdoctoral position is available in the Jodrell Laboratory to study the genomic architecture of reproductive isolation in replicate hybrid zones of European Populus species. Topics include population genomics work using mapped PCR-based molecular markers, sequence analysis of candidate genes identified by a related functional genomics project, and admixture mapping of genome regions associated with morphological species differences. The successful candidate will be expected to write up research results for publication

in peer-reviewed journals. He/she will also provide training for postgraduate students and short-term visitors to the laboratory, give lectures and write scientific reports. The position is supported by a project grant from the Natural Environment Research Council (NERC) to Christian Lexer.

With a PhD, or PhD thesis submitted by date of appointment, in a biological subject with molecular evolutionary biology, you will have previously worked in a medium- to high-throughput molecular genetics laboratory. You will have experience in the development and application of PCR-based molecular markers and molecular biology techniques along with familiarity with concepts of transcriptomics/functional genomics and semi-automated and/or automated DNA sequencers. An excellent communicator at all levels, you will also have up-to-date knowledge of/experience with the statistical analysis of population genetic data.

Salary is £24,785 per annum pro rata and benefits include a choice of final salary or stakeholder pension, generous annual leave and a stunning and prestigious work environment.

Application packs are available form our website { HYPERLINK "http://www.kew.org" }www.kew.org (click on the link at the bottom of the homepage). Alternatively, please contact the HR Department, RBG Kew, on 020 8332 5184/5150 (24 hour answerphone). Please quote reference NERC.

Closing date: 9am, 12 October 2007. Interview date: 15 November 2007.

a.le.poer.trench@kew.org

NorthCarolinaStateU HeliconiusConvergentEvol

Postdoc Position- Developmental architecture of convergent evolution in Heliconius wing patterns

Project Description: A one-year postdoctoral fellowship is available to conduct microarray experiments examining the developmental architecture of phenotypic convergence in Heliconius. This is an exciting opportunity to use newly created oligonucleotide microarrays to study temporal and spatial variation in gene expression during the development of convergent wing pattern phenotypes in H. erato and H. melpomene. The two co-mimics are distantly related, yet possess nearly identical wing patterns and have undergone parallel and congruent radiations into over 20 geographic races. The combination of fantastic natural variation, strong history of ecological, behavioral, and evolutionary research, and growing genomic resources makes Heliconius ideal for integrative research studying the interface between genomes, development, and the ecology and evolution of adaptive phenotypes

The research is a collaboration between Owen McMillan at North Carolina State University, Chris Jiggins at Cambridge University, Fred Nijhout at Duke University and Bob Reed at UC-Irvine. The postdoc will be responsible for conducting and analyzing microarray experiments. In addition, the researcher can expect to spend time collecting butterflies in South America and conducting experiments at our Heliconius Rearing Facility located at the Smithsonian Tropical Research Institute in Panama.

Job Period: 1 November 2007 - 30 October 2008.

Salary: $36,000/year.

Qualifications: Applicants should have a Ph.D., a strong interest in evolutionary developmental biology and experience in molecular genetic techniques including RNA isolation and analysis of gene expression data.

Additional Information: Please send CV (including the names and addresses of three referees) and cover letter in PDF format to Dr. W. Owen McMillan (womcmill@ncsu.edu). Inquiries welcome. North Carolina State University is an Affirmative Action/Equal Opportunity Employer.

"W. Owen McMillan" <womcmill@ncsu.edu>

OhioStateU TranscriptionFactor phylogenetics

Post doc: Ohio State University

We seek a post doc who will perform research using existing or inferred phylogenetic information to identify clusters of orthologous and paralogous groups of transcription factors among grasses.

Salary commensurate with experience.

for more info please contact danjanies@hotmail.com

danjanies@hotmail.com

Poitiers France Wolbachia

Post-Doc position: evolutionary genetics of woodlice and its feminizing Wolbachia symbionts

One six-month postdoctoral position is available at once at Poitiers University. The preferred starting date is before December, 2007. The aim of the research is linked to the EndoSymbart program but will focus on Wolbachia genomics (gap closure and regions to polished). The two projects (host response and Wolbachia genomics) are running in parallel. Expression analysis is of course linked to genomics.

A possible extension to a 2 years post-doc position will be available in 2008.

For additional information please contact:

– Pr. D. Bouchon

Universite de Poitiers Genetique et Biologie des Populations de Crustaces, UMR CNRS 6556 40 avenue du Recteur Pineau F-86022 POITIERS Cedex tel : +33 (0)5 49 45 38 95 fax : +33 (0)5 49 45 40 15 http://ecoevol.labo.univ-poitiers.fr/ http://pbil.univ-lyon1.fr/endosymbart/ mailto:didier.bouchon@univ-poitiers.fr

didier.bouchon@univ-poitiers.fr didier.bouchon@univ-poitiers.fr

Toulouse MicrobialEvolGenomics

Post-doc (associate scientist) in microbial genomics

Applications are invited for a post-doctoral position, at the associate scientist level, in the group of Catherine Masson-Boivin at the Plant-Microbe Interaction laboratory (LIPM), INRA-CNRS of Toulouse (France) site IFR. The LIPM (http://www2.toulouse.inra.fr/-centre/lipm/index_eng.htm) has over 20 years of experience on genetic and molecular analysis of bacterial symbiosis and bacterial pathogenicity towards plants. All expertise and facilities (microscopy, image analysis and genopole platform, bioinformatic service) are present on the site. The aim of the C. Masson-Boivin group is to use genomic tools to analyse the diversity and evolution of rhizobia as well as to study the molecular basis underlying the evolution of the rhizobium-legume symbiosis.

The candidate is expected to carry out a research project on the experimental evolution of Ralstonia spp. as symbionts of the legume Mimosa pudica in close collaboration with the group "behavioral ecology and community structure" of Philipp Heeb, University of Toulouse (http://www.edb.ups-tlse.fr/). Strategies and approaches will include : molecular genetics, comparative genomics, cytology, evolutionary and experimental microbiology.

Candidates should have a strong background in microbial molecular genetics and an interest in experimental ecology and evolution. Motivation for collaboration and teamwork are essential to this position. Appointments will be based on experience and merit. Anticipated start date is beginning of 2008. The position is funded for one year and can be renewed. Due to administrative constraints, french candidates cannot apply for this position.

Applications, including a letter of application, a detailed CV, a brief summary of research interests, the names and addresses of at least three referees, should be addressed to Dr. Catherine Masson-Boivin, LIPM, INRA-CNRS, BP27, 31 326 Castanet-Tolosan cedex, e-mail: catherine.masson@toulouse.inra.fr.

heeb@cict.fr

Laboratoire Evolution & Diversité Biologique UMR 5174 CNRS/UPS UPS Toulouse III, Batiment IVR3 118 Route de Narbonne F31062 Toulouse, France

Tel: + 33(0) 561 55 64 50 Fax: + 33(0) 561 55 73 27

Philipp Heeb <heeb@cict.fr>

UAlbany ApeConservation

A post-doctoral associate is sought to carry out a population survey and non-invasive sample collection of chimpanzees in central Cameroon beginning by January 2008. Experience conducting population surveys and analyzing population survey data using up-to-date quantitative methods are essential. Preference will be given to candidates with previous field experience in Africa and a demonstrated ability to communicate in French. Applicants must hold a Ph.D. in biology, zoology, anthropology, conservation biology or related field.

Degrees must be from a college or university accredited by a US Department of Education or internationally recognized accrediting organization.

The post doc will join the lab of Dr. Katy Gonder in the Department of Biological Sciences at the University at Albany-State University of New York. The initial appointment will be for six-months with the possibility of renewal for at least an additional six-month interval. Salary and benefits are competitive. Interested applicants should send a cover letter detailing their experience and interests, CV and contact information for 3 references to Dr. Katy Gonder (gonder@albany.edu). Applicants must address in their applications their abilities to work with and instruct a culturally diverse population. Initial review of applications will begin immediately and will continue until the position is filled. The University at Albany is an EO/AA/IRCA/ADA employer.

mg375378@albany.edu mg375378@albany.edu

UAlbany ChimpPopGenetics

A post-doctoral associate to be based in the Department of Biological Sciences at the University at Albany-State University of New York is sought to work on the genetic history of chimpanzees. The candidate should hold a Ph.D. and have demonstrated experience in the theories and methodologies of evolutionary genetics, population genetics and phylogeography. Degrees must be from a college or university accredited by a US Department of Education or internationally recognized accrediting organization.

The post doc will be expected to contribute evolutionary/population genetics expertise to the project, in collaboration with other team members. Required expertise includes a thorough knowledge of molecular methods relevant to population genetics (e. g., DNA extraction, PCR amplification, cloning, multiplex high throughput sequencing, SNP analysis and fragment-size analysis, development of molecular markers (microsatellites, SNPs)). Expertise is also expected in the use of relevant statistical software and the analysis of large multi-locus genetic data sets. The post-doc will be encouraged to pursue his/her own ideas and projects.

The post doc will join the lab of Dr. Katy Gonder in the Department of Biological Sciences at the University at Albany State University of New York. The initial appointment will be for one year with the possibility of renewal. Salary and benefits are competitive. Interested applicants should send a cover letter detailing their experience and interests, CV and contact information for 3 references to Dr. Katy Gonder (gonder@albany.edu). Applicants must address in their applications their abilities to work with and instruct a culturally diverse population. Initial review of applications will begin immediately and will continue until the position is filled. The University at Albany is an EO/AA/IRCA/ADA employer.

mgonder@mail.umd.edu mgonder@mail.umd.edu

UArizona VertebrateSystematics

George Gaylord Simpson Postdoctoral Fellowships in Vertebrate Systematics and Evolution - University of Arizona

The Department of Ecology and Evolutionary Biology announces three postdoctoral fellowship positions for Fall 2008, named in honor of G. G. Simpson's long tenure at the University of Arizona. Simpson Fellows are expected to conduct an active research program that is facilitated and complemented by the Department's extensive natural history collections in ichthyology, herpetology, ornithology, and mammalogy. The EEB collections have a strong taxonomic focus on the fauna of the southwest United States, northwest Mexico, the Gulf of California and the Eastern Pacific. The positions are part of a renewed commitment to natural history collections on the University of Arizona campus and a new initiative in biodiversity informatics. Postdoctoral Fellows are encouraged to establish research collaborations with faculty in the Department of Ecology and Evolutionary Biology. Responsibilities of the positions include teaching one course per year in the Fellow's taxonomic specialty. Salary is $37,500 plus benefits. A research stipend of $5000 will also be included. The positions are renewable for at least two years based on satisfactory performance.

Applicants should submit application materials online at the University of Arizona Human Resources website (https://www.uacareertrack.com; look for job #39290), including C.V., statement of research and teaching interests and experience, and two letters of reference. Position is open until filled, but we anticipate reviewing applications beginning on Nov. 15, 2007. Contact Dr. Peter Reinthal (pnr@email.arizona.edu), Dr. Alex Badyaev (abadyaev@email.arizona.edu) or

Dr. Michael Sanderson (sanderm@email. arizona.edu) for further information.

Michael J. Sanderson

Department of Ecology and Evolutionary Biology University of Arizona Tucson, AZ 85721

sanderm@email.arizona.edu sanderm@email.arizona.edu

UBritishColumbia Others 7 FungalPhylogeny

U. British Columbia 1 position U. Minnesota 2 positions Lousiana State U. 2 positions Duke U. 2 positions

Assembling the Fungal Tree of Life (www.aftol.org)

We seek six Ph.D. level scientists to participate in a multi-investigator project to resolve the origins of major fungal lineages using genomic and morphological data (for a description of the "Assembling the Fungal Tree of Life" project see www.aftol.org).

Four positions are available in the area of fungal phylogenomics. We seek candidates with experience in molecular evolutionary genetics, including DNA sequencing methods, comparative genomics and phylogenetic analysis of fungal genome data. One position, with focus on basal fungal lineages, is located in the Botany Department, University of British Columbia, Vancouver, Canada (contact M. Berbee, berbee@interchange.ubc.ca). Two positions are in the Biology Department, Duke University, Durham, NC (contact R. Vilgalys, focus on basal lineages <fungi@duke.edu> or F. Lutzoni, focus on lichenized ascomycetes <flutzoni@duke.edu>). One position, focusing on basal Basidiomycota (rusts and smuts), is located at Louisiana State University AgCenter (contact Cathie Aime, <maime@agcenter.lsu.edu>). The other two positions in fungal comparative biology/structural evolution are located in the Department of Plant Biology, University of Minnesota, St. Paul (contact D. McLaughlin, <davem@umn.edu>) and Department of Biological Sciences, Louisiana State University (contact M. Blackwell, <mblackwell@lsu.edu>). These postdocs will work closely with other labs to expand the AFTOL structural database (aftol.umn.edu), and should have interests in comparative biology/structural evolution and phylogenetic analysis. Previous experience working with a diversity of fungal organisms is desirable for all positions. All positions offer competitive postdoc salaries with health benefits, with an appointment period of 2 years plus possibility of renewal. If interested, please send a cover letter, vita and names of references to any or all of the contact persons listed above. Applications will be considered until October 1, 2007.

Mary Berbee

Mary Berbee <berbee@interchange.ubc.ca>

UCaliforniaBerkeley ShrimpEvol

Post-doctoral Scientist Integrative Organismal Biology

A postdoctoral position is available in the Patek laboratory to examine the evolution and biomechanics of the mantis shrimp's raptorial strike. This integrative and comparative research links biomechanical analyses and field work with phylogenetic comparative analyses and modeling. We are looking for a candidate with experience in one or more of these areas in any taxonomic group. A Ph.D. is required.

The appointment will be for 12 months with the possibility for renewal. The annual salary range for this position will be commensurate with experience. The start date is flexible. The University of California, Berkeley is an Equal Opportunity Employer.

Applications are due on October 1, 2007. Please send via email an explanation of your interest/qualifications for the position, a curriculum vitae, research statement, up to three pdf reprints, and contact information for three references to:

Dr. Sheila Patek Assistant Professor patek@berkeley.edu Sheila Patek, Ph.D. Assistant Professor Department of Integrative Biology University of California, Berkeley http://socrates.berkeley.edu/~patek/ patek@berkeley.edu patek@berkeley.edu

UFlorida EvolutionOfMutationRate

Applications are invited for a postdoctoral research associate to work on an NSF-funded project on the evolution of mutation rate in the lab of Charles Baer at the University of Florida (http://www.zoo.ufl.edu/-

cbaer/). The project combines classical mutation-accumulation methods of quantitative genetics with very-high-throughput genome sequencing to investigate the relationship between current mutation load and future mutation rate, using the nematode Caenorhabditis elegans as a model system. The project additionally includes a theoretical component in collaboration with Frank Shaw (Hamline Univesity, St. Paul, MN), to which the postdoc is encouraged but not required to contribute. The successful applicant will ideally have some or all of the following skills: C. elegans biology, molecular biology, bioinformatics, theoretical population genetics. All applicants will be considered, however, and the only necessary attribute is a commitment to excellent work in an explicitly team-oriented environment. Independent side projects on the part of the postdoc are encouraged and will be supported intellectually and financially if feasible. The initial appointment is for one year, with an additional two years' funding available conditional on satisfactory performance.

Start Date: flexible (funding begins Nov. 1, 2007)

Starting Salary: $36,996/year plus competitive benefits, including family health insurance, and annual increases at the NIH-mandated rate.

Location: Gainesville, Florida, USA. Gainesville is a very pleasant, medium-sized city in north-central Florida with excellent public schools. Outstanding year-round outdoor recreational opportunities abound, as long as they don't involve snow ("This is Florida. No snow, no ice...").

The University of Florida is an equal-opportunity institution. Members of groups under-represented in the Biological Sciences are especially encouraged to apply.

Applicants please send a cover letter, CV, and contact information for three references by email to Charles Baer (cbaer@zoo.ufl.edu).

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Charles F. Baer Department of Zoology 223 Bartram Hall P. O. Box 118525 University of Florida Gainesville, FL 32611-8525 USA

Phone: 352-392-3550 Fax: 352-392-3704 Email: cbaer@zoo.ufl.edu web: http://-www.zoo.ufl.edu/faculty/baer.html cbaer@zoo.ufl.edu cbaer@zoo.ufl.edu

UFlorida HumanEvol

A NSF-funded postdoctoral position is available in Connie Mulligan's lab in the Department of Anthropology at the University of Florida in Gainesville, FL (http://www.clas.ufl.edu/users/mulligan/Webpage/-index.html <http://www.clas.ufl.edu/users/mulligan/-Webpage/index.html>). Research will contribute to our understanding of the initial dispersal of modern humans out of Africa as well as later migrations. Genetic data will be collected and analyzed on an extensive and unique collection of DNA samples from Eritrea and Yemen, thus a strong background in genetic data collection (DNA sequencing, STR analysis, SNP detection, etc.) is essential. In addition, my research group is committed to pushing the boundaries of genetic data analysis. The right candidate will help us achieve this goal with their expertise and interest in one or more of:

(1) synthesizing genetic, archaeological, linguistic, and cultural data, (2) theoretical population genetics, (3) statistical genetics, (4) bioinformatics, or (5) your specialty that doesn't quite fit into one of the prior categories. There are excellent opportunities for the successful candidate to develop new lines of research as well as productive collaborations outside the lab.

The University of Florida is a leading research institution with a university-wide commitment to genetics research. The Department of Anthropology (www.anthro.ufl.edu <outbind://133/Back-up/Lab/Personnel/www.anthro.ufl.edu>) has 36 full-time faculty with diverse interests and a strong biological subfield, with emphases on molecular, paleo, and forensic anthropology. The department is one of the top rated programs in the country (6th among public institutions, 11th overall). My lab has just moved into a new molecular genetics laboratory in the newest research building on campus, the Cancer and Genetics Research Complex. The University of Florida Genetics Institute (www.ufgi.ufl.edu <outbind://133/Back-up/Lab/Personnel/www.ufgi.ufl.edu>) is a new initiative with hires throughout the university that will enhance opportunities for collaboration. Gainesville is located in north central Florida, with average temperatures ranging from 45F to 90F. Beaches on the gulf and Atlantic coasts are only 1ï¿½ hours away.

Prospective candidates should send a letter of application including a CV, statement of research interests and experience, and the name and address (including email and phone) of three references to the address/email listed below. Review of materials will begin November 1 and will continue until the position is filled. Start date is flexible with an optimal start in Jan, 2006. Salary is commensurate with experience. Position may be extended for a second year. Informal inquiries prior to

submitting a formal application are both encouraged and welcome!

AA/EOE.

Connie J. Mulligan, PhD Associate Professor, Department of Anthropology Associate Director, UF Genetics Institute 1376 Mowry Road PO Box 103610 University of Florida Gainesville, FL 32610-3610 Office: 409 Genetics Institute Tele: (352) 273-8092 Fax: (352) 273-8284 email: mulligan@anthro.ufl.edu website:http://www.clas.ufl.edu/-users/mulligan/Webpage/index.html

cmulligan@UFL.EDU

UGeorgia ChromosomeEvolution

POSTDOCTORAL POSITION to study chromosome evolution using theoretical and/or experimental methods, available immediately.

A postdoctoral position is available to study theoretical and/or experimental aspects of chromosome evolution in the lab of Dave Hall at the University of Georgia. Projects in our lab are aimed at elucidating mechanisms leading to the evolution of chromosomal changes, including inversions, translocation, fissions and fusions. We are seeking an enthusiastic and motivated person to work on questions related to chromosome evolution by developing mathematical models and/or performing experiments using yeast. The Hall lab is located in the Genetics Department, which includes a diverse group of highly interactive faculty (www.genetics.uga.edu). The lab is also a member of the UGA Center for the Study of Evolution, which encompasses almost forty labs from across the university (www.genetics.uga.edu/-evolution/evoluga.html). There are thus numerous opportunities for professional development both within the Genetics Department and across campus.

Applicants should have a PhD, with mathematical and/or molecular experience preferred. We offer a competitive salary, with full benefits. Funding is available through June 2009. Applications should include a curriculum vitae and the names of three references. Applications and inquiries should be sent to Dave Hall at davehall@uga.edu or Life Sciences - Genetics, The University of Georgia, Athens GA 30602-7223. For more information on the Hall lab, visit: http:/-/mendel.genetics.uga.edu/ . davehall@uga.edu davehall@uga.edu

UGeorgia ViralEvol

A postdoctoral associate is sought to join a joint project between the University of Georgia and the New York Department of Health and Mental Hygiene on the population dynamics of West Nile Virus in New York City. Goals of this project are to understand the environmental drivers of transmission in heterogeneous structured environments, to develop a statistical understanding aimed at developing early warning systems for vector-borne outbreaks, and to identify strategies for containment and control. The position is for two years with a starting salary of $41,715. Start date is negotiable. The successful applicant should have a background in ecological epidemiology and ecological modeling. For more information about the Drake Lab, please see http://-dragonfly.ecology.uga.edu/drakelab/ .Questions can be addressed to John Drake at jdrake@uga.edu. Applicants should send to this address a letter of introduction, CV, and expression of interest. Review of applications will begin immediately and continue until filled.

– John M. Drake, Ph.D. Assistant Professor University of Georgia Odum School of Ecology Athens, GA 30602-2202

phone: 706.583.5539 fax: 706.542.4819 email: jdrake@uga.edu web: http:/-/dragonfly.ecology.uga.edu/drakelab
drake.biosci@gmail.com

UIowa EvolFungalSexMeiosis

AVAILABLE IMMEDIATELY (open September 2007 until filled)

Postdoctoral position to study the molecular evolution of sex and meiosis in Fungi

Laboratory of John Logsdon, Department of Biology <http://euplotes.biology.uiowa.edu/> and the Roy J. Carver Center for Comparative Genomics <http://-ccg.biology.uiowa.edu/> University of Iowa, Iowa City

Applications are invited for a postdoctoral position to work on a recently-funded research project to study the molecular evolution of sex and meiosis in Fungi. The

position is available for two years, with extension possible. The research will involve a combination of molecular biology and bioinformatic analyses. The ideal candidate will be able to conduct research using both ^{3}wet^{2} and ^{3}dry^{2} approaches; particularly strong applicants who primarily use one of these methods will also be considered. The technical and intellectual environment at the Roy J. Carver Center for Comparative Genomics (CCG) is excellent for both molecular evolutionary and evolution of sex research. The selected candidate will be part of a highly interactive group in the Logsdon lab who are studying various aspects of the origins and evolution of meiosis.

Project Summary: We will survey available fungal genomes to find and characterize homologs of all genes known to be involved in meiosis and essential for sex. For these meiotic genes, we will compare their sequences and determine their evolutionary histories. We will also isolate and analyze a subset of ~10 of these meiotic genes from ~20 additional fungal species representing key fungal groups whose genomes are not being sequenced. In several of these species, sex has not been observed. These results will provide the first comprehensive analysis of the evolution of genes needed for sex in any eukaryotic kingdom and will provide genetic evidence to determine if some fungi thought to be asexual are capable of sex.

Qualifications: PhD in Biology or related field. Experience in molecular biology. Expertise in mycology and/or bioinformatics is strongly desired.

Contact: John Logsdon, Associate Professor and CCG Director, <john-logsdon@uiowa.edu> Please send as PDFs: i) a letter of interest, ii) a CV, and iii) a list of the names, email addresses and phone numbers of 3-4 references.

The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Women and underrepresented minorities are strongly encouraged to apply.

–

John M. Logsdon, Jr., Ph.D. Associate Professor Director, Roy J. Carver Center for Comparative Genomics University of Iowa Department of Biological Sciences 319 335 1082 office 310 Biology Building 319 335 1083 lab Iowa City, IA 52242-1324 319 335 1069 FAX

email <john-logsdon@uiowa.edu> web <http://-/www.biology.uiowa.edu/ccg/> <http://-euplotes.biology.uiowa.edu> John Logsdon <john-logsdon@uiowa.edu>

ULeeds LeafCuttingAntEvol

Postdoc position: Host-parasite interactions in leaf-cutting ants

A 12 month fixed-term, NERC-funded Postdoctoral Research Assistant position is available in the research group of William Hughes at the University of Leeds using leaf-cutting ants as a model system to investigate the within-host interactions between parasites with opposing transmission strategies. You will use molecular techniques to identify infections by a cryptic parasite and to examine genotypic variation in host resistance to this parasite. You will carry out controlled infections with a virulent parasite and measure host immune response to quantify the fitness implications for both the host and other parasites of infection by the cryptic parasite.

You should have a first degree and PhD in a relevant subject, a good publication/results record for your career stage, and research experience in evolutionary biology, entomology or molecular ecology. You should be hard working, self-motivated and able to work both independently and as part of a team. Experience with molecular techniques (DNA extraction, PCR, microsatellite genotyping) would be a definite advantage. Experience with social insects or insect immunity would also be useful.

The position is to start 1 November 2007 or as soon as possible thereafter. Funding is available for a single field trip to Panama in 2008 to collect leaf-cutting ant colonies.

For further details and to apply formally see http://-www.fbs.leeds.ac.uk/jobs.php. For informal enquiries, email Dr. William Hughes at w.o.h.hughes@leeds.ac.uk

w.o.h.hughes@leeds.ac.uk w.o.h.hughes@leeds.ac.uk

UMaine MolluscSymbiosis

A Post-Doctoral Research Association position in the Dept. of Biochemistry, Microbiology and Molecular Biology at the University of Maine is available immediately to investigate the evolutionary implications

of a unique symbiosis between a marine mollusc, the sea slug Elysia chlorotica, and chloroplasts of the heterokont alga, Vaucheria litorea. The goal of this project is to identify the mechanisms which contribute to the long-term functioning of algal chloroplasts in a foreign host cell and the evolution of photosynthesis in an animal. The project will involve using integrated molecular, biochemical and microscopic approaches to study: 1) genomic and transcriptomic analysis to identify horizontal gene transfer, 2) sea slug and algal culturing, and 3) microscopic analysis. For a further description see http://biology.umaine.edu/symbio/. Qualifications: Applicants must have an earned PhD in molecular or evolutionary biology, biochemistry, cell biology, marine biology, or a related field. Excellent verbal and written communication skills are required. A strong background and demonstrated experience in molecular biology and biochemical techniques, and previous experience working in one or more of the following areas, is required: symbiotic organisms, differential gene expression, evolution, horizontal gene transfer, chloroplast biochemistry, and photosynthesis. Applicants must also be willing to work closely with graduate and undergraduate students in the laboratory. See full job ad at http://www.umaine.edu./eo/jobs. Salary: This full-time fiscal year position is for 1 year with a possible renewal up to 3 years contingent upon funding and satisfactory performance, at an annual salary of $35,000. Contact: Interested applicants should send via Email (mrumpho@umit.maine.edu) a cover letter and detailed curriculum vitae with the names and email addresses of three references to: Dr. Mary Rumpho, Dept. of Biochemistry, Microbiology & Molecular Biology, 5735 Hitchner Hall, University of Maine, Orono, ME, 04469-5735. Phone:207-581-2806. FAX: 207-581-2801. Review of applications will begin 9/15/07. The University of Maine is an equal opportunity, affirmative action employer and provides reasonable accommodations to persons with disabilities.

Mary Rumpho <mrumpho@umit.maine.edu>

UManchester MicrobialEvolution

Postdoctoral Research Associate, Microbial Evolution

Faculty of Life Sciences, University of Manchester, UK

A three year postdoctoral position is available in the lab of Dr. Daniel Rozen at the University of Manchester. This BBSRC funded project will study the evolution of natural transformation and competence in Streptococcus pneumoniae. The project aims to quantify the evolutionary costs and benefits of competence using complementary methods in order to determine how and why transformation evolved and is maintained in this species.

The successful applicant will be responsible for designing and carrying out experiments using bacteria in continuous culture, analyzing experimental results, preparing manuscripts, and helping with the supervision of students. Candidates should hold a PhD in a relevant biological discipline and have a strong background in evolutionary biology. Experience in microbial genetics is desirable.

Applications close on 4 Oct 2007.

Informal enquiries can be addressed to: Dr Daniel Rozen, Tel: +44 (0) 161 275 5094, Email: Daniel.rozen@manchester.ac.uk

Application forms and further particulars can be obtained at http://www.man.ac.uk/news/vacancies or from

Dr. Daniel E. Rozen Tel: 0161 275 5094 Email:daniel.rozen@manchester.ac.uk

Daniel Rozen University of Manchester Faculty of Life Sciences Michael Smith Building Oxford Road Manchester M13 9PT

Tel: +44161 275 5094 Fax: +44161 275 5082

Daniel.Rozen@manchester.ac.uk

UMassachusetts DeepSeaEvolution

Postdoctoral Position to Explore Evolution in the Deep Sea

Applications are invited for an NSF funded postdoctoral position in the laboratories of Ron Etter and Mike Rex at the University of Massachusetts/Boston to explore evolution in deep-sea organisms.

This project, funded by the National Science Foundation (NSF), will sample the bathyal and abyssal fauna of the Western North Atlantic along a transect from Massachusetts (USA) to Bermuda. Our aim is to quantify patterns of genetic variation in deep-sea mollusks to test several hypotheses about where and how evolution has unfolded in this remote ecosystem. During the last several decades, much has been learned about

spatial variation of species diversity and its possible ecological causes. The evolutionary origin, radiation and geographic spread of this rich and highly endemic fauna remain virtually unknown. Our work will specifically address questions on a) the geographic and bathymetric scales of population differentiation and speciation, b) the nature and scale of isolating barriers, c) the role of evolution in creating geographic and bathymetric variation in biodiversity and d) the colonization and radiations within the deep Atlantic. The successful candidate will be expected to contribute to all aspects of this project.

Applicants should have a strong history of molecular genetic work, experience with phylogenetic and population genetic tools, and experience analyzing large, multivariate data sets. Applicants who have completed or anticipate completing their Ph.D. before December 2007 are desired. Please submit by e-mail (1) a cover letter describing your background and experience in molecular genetics, (2) a curriculum vitae, (3) a statement of research interests, and (4) the names and addresses (including e-mail addresses) of three references to Ron Etter (ron.etter@umb.edu) and please put Postdoc application in the subject line). Application review will begin 1 October 2007 and will continue until the position is filled.

Ron J. Etter Professor Biology Department University of Massachusetts 100 Morrissey Blvd Boston, MA 02125 Voice 617-287-6613 FAX 617-287-6650 email ron.etter@umb.edu

Ron.Etter@umb.edu Ron.Etter@umb.edu

UMinnesota EvolOfSymbioticInteractions

Postdoctoral Research Position - Evolution of complex symbiotic interactions The goal of this research is to understand coevolutionary interactions in the context of community spatial structure. While most theoretical and empirical studies address two-species interactions, recent results demonstrate that co-occurring species can dramatically affect the outcome of such interactions. Specifically, we will examine the interactions of maize, a common pathogen (Ustilago maydis), and two endophytic fungal species (Fusarium verticillioides, F. graminearum). These fungal and plants systems are well-characterized model organisms and the methods for studying interactions have been developed. In field and greenhouse environments, we will use genomic and metabolic approaches to determine underlying mechanisms of species interactions, examine variation in those traits, and determine fitness outcomes of varying interactions. The study represents a collaboration of Dr. Georgiana May, Dr. H. Corby Kistler, and Dr. Bob Haight (modeling) at the University of Minnesota.

Inquiries for should be directed to Georgiana May (gmay@umn.edu). Start date between May - August 2007, and pay ~ $40,000/year, depending on experience.

Georgiana May Department of Ecology, Evolution and Behavior U. Minnesota 612-624-6737

gmay@umn.edu

UniCollegeCork NematodePolynucleotideRepeats

UniCollegeCork.NematodePolynucleotideRepeats

Our lab is seeking applications from highly motivated postdocs who are interested in working within our group on dynamics of polynucleotide expansions using C.elegans as a model. We seek enthusiastic and highly motivated candidates with excellent and proven molecular biology and genetics skills as applied to C.elegans or C.briggsae (as demonstrated by their publication record). We are particularly interested in candidates with significant (2 years +) prior postdoctoral experience in nematode population genetics, bioinformatics or developmental genetics. Prospective applicants should send an e-mail outlining your research interest and motivations, including; (a) your C.V. (please list publications and experimental skills) & (b) contact details and e-mail addresses for 3 referees to:

Dr. Charles Spillane, Genetics & Biotechnology Lab, Biochemistry Dept & Biosciences Institute, University College Cork, Cork, Ireland. E-mail: c.spillane@ucc.ie

Lab website: www.ucc.ie/spillane Deadline: 28th September 2007 UCC is an equal opportunities employer

Dr. Charlie SPILLANE, SFI Investigator & Senior Lecturer, Genetics & Biotechnology Lab, Dept of Biochemistry & Biosciences Institute, University College Cork (UCC), 2.10, Lee Maltings, Cork, IRELAND

[T] 00-353-21-4904124 (office) [E] c.spillane@ucc.ie [W] www.ucc.ie/spillane "Spillane, Charles"

<C.Spillane@ucc.ie>

UNorthCarolinaChapelHill EvolBiol

The Carolina Postdoctoral Program for Faculty Diversity The University of North Carolina at Chapel Hill

As part of a continuing commitment to advance scholars from underrepresented groups in higher education, The University of North Carolina at Chapel Hill Carolina Postdoctoral Program for Faculty Diversity is pleased to announce the availability of postdoctoral research appointments for a period of two years. The purpose of the Program is to develop scholars from underrepresented groups for possible tenure track appointments at the University of North Carolina. Postdoctoral scholars will be primarily research associates engaged full-time in research and may teach only one course per year. Applications for study in any discipline represented at the University are welcome. The Department of Biology at the University of North Carolina at Chapel Hill strongly encourages candidates interested in Evolution or Ecology to apply. Please see http:/-/www.bio.unc.edu/Research/ for a description of the research interests of the Biology department faculty.

The stipend will be $35,625 per calendar year. Health benefits and leave are available. Some funds are available for research expenses, including travel. Interested applicants who will have completed their doctoral degree no later than July 1, 2008, and no earlier than July 1, 2004 are eligible to apply. Preference will be given to U.S. citizens and permanent residents. This program is funded by the State of North Carolina.

A complete application will include the following: 2008 application Cover letter addressed to Vice Chancellor Tony Waldrop Curriculum Vitae Sample publications and/or dissertation chapters Three letters of recommendation A statement of research plans A statement on why you should be selected for this program

***The statements should be separate documents and not included in a cover letter. ***If recommendation letters accompany application materials, they should be in a sealed envelope.

Electronic submissions are preferred and should be emailed to Application2008@unc.edu. Only electronic submissions in PDF format will be accepted.

Please note that submitted material will not be returned to the applicant; and incomplete applications will not be accepted. All materials must be postmarked by Thursday, January 3, 2008.

servedio@email.unc.edu servedio@email.unc.edu

UOtago ParasiteEvol

A07/149

UNIVERSITY OF OTAGO

Te Whare Wananga o Otago

Dunedin, New Zealand

Postdoctoral Fellow

Evolutionary Biology of Parasites

(Fixed-term)

DEPARTMENT OF ZOOLOGY

Applications are invited from suitably qualified persons for the position of Postdoctoral Fellow in the Department of Zoology. This position is funded by a grant from the Marsden Fund to Professor Robert Poulin and Dr Devon Keeney, and is available for three years.

The appointee will have expertise in molecular ecology, particularly with microsatellite markers; experience in experimental parasitology would be an important asset but is not essential.

Our research programme aims to investigate the key factors influencing the evolution of host specificity in parasites. More specifically, the research will examine how plasticity in phenotype (morphology and behaviour) and genetic variation affect the ability of parasites to exploit novel hosts. Using a native New Zealand marine trematode (parasitic flatworm) species that infects coastal crustaceans as an experimental model, this work will combine experimental parasitology and genetic analyses to break new ground in our understanding of the factors influencing the ecology of resource utilization and the evolution of parasitic diseases.

Applicants must have completed a PhD and have previous scientific publications in a relevant field. We wish to fill this position by February 2008 or soon thereafter.

Specific enquiries may be directed to Professor Robert Poulin, Department of Zoology, Tel 03 479 7983, Fax 03 479 7584, Email robert.poulin@stonebow.otago.ac.nz

Reference Number: A07/149. Closing Date: Friday 30 November 2007.

APPLICATION INFORMATION

With each application you must include an application form, an EEO Information Statement, a covering letter, contact details for three referees and one copy of your full curriculum vitae. For an application form, EEO Information Statement and a full job description go to: www.otago.ac.nz/jobs Alternatively, contact the Human Resources Division, Tel 03 479 8269, Fax 03 479 8279, Email job.applications@otago.ac.nz

Equal opportunity in employment is University policy.

E tautoko ana Te Whare Wananga o Otago i te kaupapa

whakaorite whiwhinga mahi.

Prof. Robert Poulin, FRSNZ

Department of Zoology

University of Otago

P.O. Box 56

Dunedin 9054

New Zealand

Courier: 340 Great King Street, Dunedin, New Zealand

phone +64 3 479-7983

fax +64 3 479-7584

VISIT OUR PARASITOLOGY RESEARCH GROUP'S WEBSITE:

http://www.otago.ac.nz/parasitegroup/home.html

devon.keeney@stonebow.otago.ac.nz devon.keeney@stonebow.otago.ac.nz

UOxford GenomeStatistics

Mathematical Genetics Group, Department of Statistics, University of Oxford

Statistical Methods for the Analysis of Genome-Wide Association Studies (2 years)

Academic-related Research Staff Grade 7: Salary £26,666 to £32,796 (bar) per annum

A fixed-term research position of 2 years duration, funded by GlaxoSmithKline (GSK), is available to work in the research group of Dr Jonathan Marchini, on statistical issues in modern genetic studies, with specific application to genome-wide datasets generated by GSK. The ideal start date would be 1 December 2007, or at a later date by arrangement. The well-qualified successful applicant is likely to be appointed at or near the top of the salary scale given above.

GSK has assembled large case-control collections for many important and common diseases. These include major psychiatric, neurological, metabolic, and cardiovascular diseases. The samples are typically comprised of roughly 1000 cases and 1000 controls, and usually have rich phenotypic characterisation beyond the standard diagnosis of disease, including, for example, diagnostic subtypes, and quantitative measures derived from imaging or in-depth secondary assessment of patients. GSK has also collected epidemiological samples and a limited number of family-based samples, also with rich phenotypic assessment. Many of these collections are being, or will shortly be, genotyped genome-wide at hundreds of thousands of polymorphisms, with the aim of performing association analysis and identifying genes that modify susceptibility to these diseases. The aim of both projects will be to take advantage of the rich phenotypic characterisation of the GSK samples, together with joint analysis with other comparable datasets that are currently becoming available via the academic sector. These analyses will be more powerful for identifying genes involved in common diseases than analysing the main diagnostic classification within GSK samples alone. However, these advanced analyses will require the development of novel methodologies in statistical genetics. The successful applicant will work on developing analysis methods for distinct datasets provided by GSK. The appointee will work under the direction of Dr Jonathan Marchini.

Candidates should have: A strong background in modern statistics and its application, or a related field Good computational skills are essential An existing background in genetics A doctorate, or expect to soon have Candidates wishing to move into the genetics field are also encouraged to apply.

Informal enquiries should be directed to marchini@stats.ox.ac.uk.

Further details are available from http://-www.stats.ox.ac.uk/vacancies. Applications should comprise a curriculum vitae and a list of publications together with the names, addresses, telephone, fax and e-mail details of three referees. Applications (7 copies, one copy for candidates outside the UK) should be submitted to Personnel Administration, Department of Statistics, 1 South Parks Road, Oxford, OX1 3TG. Applications faxed to +44 1865 272595 or e-mailed to jobs@stats.ox.ac.uk are acceptable as long as they are followed by hard copy. Please always quote reference number: AM-07-003. The closing date for applications is Thursday 25 October 2007.

–

o__ Jonathan Marchini c/ /'_ Department of Statistics, University of Oxford (+) \(+) 1 South Parks Road, Oxford, OX1 3TG

tel : ++44 1865 271125 web : http://www.stats.ox.ac.uk/ ~ marchini/ marchini@stats.ox.ac.uk marchini@stats.ox.ac.uk

UParisSud TreeEvolGenetics

We are extending the deadline for this previously announced postdoc

Modelling the evolution of genetic diversity for complex traits in scenarios of environmental changes in tree species

We propose a one-year postdoctoral position on the modelling of the evolution of genetic diversity for complex traits and the genes underlying these traits in scenarios of environmental changes. This position is funded through the European Network of Excellence EVOLTREE (http://www.evoltree.org/). This postdoctoral position is opened for one year. It should start around November 1st. It is part of a joint collaboration between the following people:

- Frédéric Austerlitz, Laboratoire Ecologie, Systématique et Evolution, U.M.R. C.N.R.S./U.P.S./E.N.G.R.E.F. 8079, Université Paris-Sud, Bâtiment 360, F-91405 Orsay cedex, email: frederic.austerlitz@u-psud.fr webpage: http://www.ese.u-psud.fr/bases/upresa/pages/austerlitz/index_eng.html - Pauline Garnier-Géré, Frédéric Raspail, Antoine Kremer, UMR BIOGECO 1202, INRA-Bordeaux, Forest Genetics Group, 69 route d'Arcachon, 33612 CESTAS Cédex, FRANCE

- Sylvie Oddou-Muratorio, Christian Pichot, Unite de Recherches Forestieres Mediterraneennes, Domaine Saint Paul, Site Agroparc, 84914 Avignon Cedex 9

The postdoctoral fellow will be mainly located in the first laboratory (in Orsay, near Paris), but will be in strong interaction with the people from the two other laboratories in Avignon and Bordeaux. The position requires solid experience in computer science (in particular C programming), as well as in population and quantitative genetics. All candidates should then a motivation letter, a CV and the name and email of three references by email to Frederic Austerlitz before October 5th. Do not hesitate also to contact him in case more details are needed.

The aim of the postdoctoral work would be to develop models that account for changes in environmental conditions through time. To this extent, populations or metapopulations of individuals will be simulated. The individuals will be characterized by their phenotype for several adaptive traits, these traits being coded by several loci. The model will consider different possibilities for the relation between genotypes and phenotypes, including the possibility of pleitropy (involvement of a given gene in several traits). Different scenarios of climatic changes will be considered by allowing different model parameters to vary for one or several of the adaptive traits (e.g. variation of the optimal phenotype across time, for different intensities and time steps) or the quality of the environment. The impact of the different scenarios of climatic changes retained will be assessed on both phenotypic and genetic responses of populations.

The study will focus both on a local scale using the spatially-explicit individual-based software CAPSIS (Dreyfus et al., 2005) and a larger scale using the software METAPOP (Le Corre et al., 1997 ; Le Corre et Kremer, 2003) that considers panmictic populations connected by gene flow. Regarding the global scale, while the basic simulation framework is already implemented in METAPOP, the postdoctoral fellow will have to modify the source code in order to deal specifically with the questions addressed here, namely the implementation of scenarios of changes across time and the possibility to model several traits simultaneously. He/she will then be able to compare the results of METAPOP with the results of simulations performed at the local scale with CAPSIS, in which the expression of a phenotypic trait, and thus the relation between phenotype and fitness depends explicitly on spatial position of individuals through a demographic model. This demographic model describes explicitly how an individual with a given genotype in a given environment will survive, reproduce or disperse. The postdoctoral fellow will not be directly involved in the modification of the source code of CAPSIS but he/she will participate in the methodological choices of how introducing directional variation of the environment quality, and in the analyses of the simulations performed with this software.

The parameters of the simulations (e.g. seed and pollen dispersal curves, number of loci involved in the traits, quality of the environment) will be calibrated with data from the intensive study sites (ISS) of EVOLTREE and from the literature.

References

Dreyfus P., Pichot C., de Coligny F., Gourlet-Fleury S., Cornu G. et al. (2005) Couplage de modèles de flux de gènes et de modèles de dynamique forestière. Les Actes du BRG 5: 231-250. Le Corre V. et Kremer A. (2003) Comparative dynamics of genetic variability of an adaptive trait and its underlying genes in a subdivided population. Genetics 164: 12051219. Le Corre V., Machon N., Petit R. J. et Kremer A. (1997) Colonization

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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

UPenn Infectious Disease

A postdoctoral position is available in the group of Dustin Brisson at the University of Pennsylvania, to study the ecology and evolution of Borrelia burgdorferi, the causative agent of Lyme disease.

The project aims to address the causes of variation in host and pathogen populations and their consequences to evolution and public health. We are addressing these issues by a combination of laboratory, field, and computational studies. This study will integrate across three scales of biological complexity - molecular-level, organism-level, and population-level - to identify the molecular and ecological mechanisms maintaining the polymorphism at a protein exposed on the bacterial surface and to determine the consequences of these mechanisms on the distribution and abundance of B. burgdorferi and on human Lyme disease risk.

The position requires a highly motivated, enthusiastic, and enquiring individual with a background in evolutionary biology, ecology, statistics, or related fields. Molecular and field experience would be advantageous. Good 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 position is available as early as Jan 2008; the starting date is flexible and I am willing to wait for an outstanding candidate.

For informal enquiries and formal applications including curriculum vitae, list of publications, a one page statement of research interests and the names of three potential referees (all in a single file if applying by email), 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

dbrisson@sas.upenn.edu dbrisson@sas.upenn.edu

UPennsylvania LymeDiseaseEvol

Post Doc:

A postdoctoral position is available in the group of Dustin Brisson at the University of Pennsylvania, to study the ecology and evolution of Borrelia burgdorferi, the causative agent of Lyme disease.

The project aims to address the causes of variation in host and pathogen populations and their consequences to evolution and public health. We are addressing these issues by a combination of laboratory, field, and computational studies. This study will integrate across three scales of biological complexity - molecular-level, organism-level, and population-level - to identify the molecular and ecological mechanisms maintaining the polymorphism at a protein exposed on the bacterial surface and to determine the consequences of these mechanisms on the distribution and abundance of B. burgdorferi and on human Lyme disease risk.

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statement of research interests and the names of three potential referees (all in a single file if applying by email), 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

dbrisson@sas.upenn.edu dbrisson@sas.upenn.edu

UVictoria InsectMicrobes

Postdoc in Evolution and Ecology of Insect-Microbe Associations, U. of Victoria

I am seeking a postdoctoral researcher to work on the evolution and ecology of insect reproductive parasites (such as the intracellular bacterial symbionts Cardinium, Wolbachia, and Rickettsia), in my lab in the Biology Department at the University of Victoria, British Columbia, Canada.

I am looking for someone with a strong background in evolutionary biology, genetics, microbiology, or entomology. Candidates with a strong background in host-parasite interactions, molecular ecology, and experimental methods are preferred. Experience with microinjection, insect cell lines, quantitative PCR, or pulsed field gel electrophoresis in an asset, but not essential. For more information about the research in the lab, visit http://web.uvic.ca/%7Estevep/ The position is initially available for a year (with a salary in the range of $36-40,000 Canadian a year, depending on experience), with the possibility of renewal for a total of three years. The starting date is flexible and I will start to review applications Oct. 15. Victoria, the capital of British Columbia and the largest city on Vancouver Island, is a small vibrant city with a mild climate, and with mountains, forest, and the ocean at its doorstep. In order to apply for the position, please send by email a cover letter, CV, and the names and contact information for 3 references to stevep@uvic.ca

Steve Perlman

stevep@uvic.ca stevep@uvic.ca

UWashington StatGenetics

Three-year Postdoctoral position available. Software development skills and experience required. Department of Statistics, University of Washington, Seattle, WA.

A 100% postdoctoral research position is available, on funding expected to start December 1, 2007. Length: up to three years, subject to satisfactory performance and availability of funding.

Opportunity for a computational scientist with an interest in statistics and/or genetics to work as a postdoctoral Research Associate under the supervision of Dr. Elizabeth Thompson, on the development of statistical methods and computational software in the area of the genetic analysis of complex traits. This research is funded by NIH grant GM 46255, funded since 1991, and renewed funding is expected starting 12/01/2007. Salary and benefits will be in accordance with NIH postdoctoral scales, and University of Washington policies. Appointment as a staff research scientist may be considered for eligible candidates: such appointments are not term-limited.

The focus of our research is the development Monte Carlo likelihood methods for the analysis of genetic data on related individuals. Further information about this research can be found on the web at http://-/www.stat.washington.edu/thompson/Genepi A primary product of our research is the MORGAN software package http://www.stat.washington.edu/thompson/-Genepi/MORGAN/Morgan.shtml The successful applicant must make a 50% time-commitment to software maintenance, development, documentation, and support.

Additional information on education and research in Statistical Genetics at the University of Washington can be found at http://depts.washington.edu/statgen/ Requirements: Ph. D. in Computer Science, Computational Biology or Genomics, Statistics, Biostatistics, or a related field.

Demonstrated strong programming skills, including use of the Standard C language, C code debuggers, UNIX/Linux operating systems and version control for code and documentation (using CVS, or Subversion, e.g.)

Demonstrated experience in the development of com-

plex scientific software, including specification, design, code, maintenance, documentation, and troubleshooting.

Some knowledge/experience in complex stochastic systems, statistical genetics or computational molecular biology.

Enquiries BY PLAIN TEXT E-MAIL ONLY PLEASE, should be sent to Professor Elizabeth Thompson, (eathomp@u.washington.edu). Please do NOT send email attachments as WORD documents, HTML etc. If you wish to provide supporting information, please send a reference to a web page or PDF attachments only. If applying, please provide email addresses of 3 referees.

The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. AA/EOE.

eathomp@u.washington.edu eathomp@u.washington.edu

YaleU EvolGenetics TestseFlies

POST-Doc positions: evolutionary genetics of tsetse flies, its symbionts, and parasites

Two postdoctoral positions are available from January 2008 at Yale University. The first position is in the laboratory of Dr. Adalgisa (Gisella) Caccone to work on evolutionary genetics of the tsetse fly Glossina fuscipes and the second position is in the laboratory of Dr. Aksoy to work on the population biology and associated functions of tsetse symbionts. The aim of the research is to understand the patterns of genetic differentiation of tsetse populations on a spatial and temporal scale to help develop strategies for effective vector control. Towards this overall goal we are also interested in studying levels of genetic differentiation of the maternally transmitted symbionts (Wolbachia, Wigglesworthia and Sodalis) and parasite (Trypanosoma) and how they relate to the genetic structuring of tsetse populations. A Ph.D. demonstrated expertise in evolutionary genetics and phylogeography, phylogenetics (bacterial phylogenetics for the symbionts-focused position), including ability to collect nuclear and mitochondrial DNA sequence data, cloning and analyzing microsatellite data is required. Previous research experience in evolutionary genetics of insect populations and symbionts, with especially disease vectors, is preferred. The positions include field work in Uganda for sampling, coordination, and training at the Livestock Health Research Institute in Uganda (LIRI). Independence, good organizational ability, and the capacity to work effectively in a multidisciplinary and international team are very important traits of the successful candidate. The positions are available for at least 2 years. The preferred starting date is January 1, 2008. To apply please send your CV and 2 letters of recommendation to Gisella Caccone and Serap Aksoy at the email address listed below.

Yale University is an equal opportunity, affirmative action employer committed to multicultural diversity. Women and minorities are encouraged to apply.

For additional information please contact:

Dr Adalgisa Caccone Phone: (203) 432-5259 Email:adalgisa.caccone@yale.edu

Dr. Serap Aksoy Phone (203) 737 2180 Email: serap.aksoy@yale.edu

– Gisella Caccone YIBS-Molecular Systematics and Conservation Genetics Lab. ESC 140 Yale University 21 Sachem St., New Haven, CT, 06520-8106 USA Tel 203-432-5259 Fax 203-432-7394

adalgisa.caccone@yale.edu

YaleU TsetseEvolGenetics

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adalgisa.caccone@yale.edu

YorkU InvasiveSpeciesEvol

IRIS Post Doctoral Fellowship

Applications are invited for a two-year Post-doctoral Fellowship based at York University?s Institute for Research and Innovation in Sustainability (IRIS) to address inter-disciplinary research issues pertaining to invasive non-indigenous species (NIS). The successful candidate will have a PhD or equivalent in the social sciences, law, business or natural sciences, with a record of scholarship and communication, plus an interest in environmental issues management. York University has identified invasive species as an important area for research and innovation, and the successful candidate will be expected to enhance our capacity on this topic. There will be opportunities to collaborate with the environmental scientists that are assessing the risk of NIS in Canada, as well as government and NGO staff charged with developing relevant policies. It is anticipated that the successful candidate will advance our understanding of the inter-disciplinary nature of the NIS issue, as well as develop practical suggestions for public policy initiatives that would help ameliorate the threats they pose. Specific engineering or technical protocols to deal with individual invading species (e.g. zebra mussels, emerald ash borer, etc.) are beyond the scope of work.

This position provides a unique opportunity to explore current social, legal, political, economic and/or fiscal constraints to the wise management of Canadian ecosystems posed by the introduction and spread of NIS. We anticipate that the successful candidate will address challenges posed by Canada?s recent National Invasive Alien Species Strategy, which recognizes both the ecological and economic threats posed by NIS. Modest funds will be available to foster these collaborations.

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's website at: http://www.yorku.ca/acadjobs/-index.htm, or a copy can be obtained by calling the affirmative action office at 416-736-5713. Only Canadian citizens or Permanent Residents are eligible for this funding.

Applicants should submit a letter describing their relevant research, experiences and interests, a curriculum vitae, pertinent reprints, and arrange to have three letters of reference sent to: Dawn Bazely, Executive Director, Institute for Research & Innovation in Sustainability, York University, 347 York Lanes, 4700 Keele St., Toronto, Ontario, Canada M3J 1P3, Tel:+1.416.736.5784, Fax: +1.416.736.5837, E-mail: dbazely@yorku.ca

Deadline: Applications must be received by October 12, 2007. Interviews will be conducted at the end of October.

CVR Postdoctoral Fellowship

This postdoctoral fellowship is funded jointly by the Ontario Ministry of Research & Innovation and York Universitry. Applications in human brain imaging (fMRI), primate neurophysiology, or visual psychophysics with implications for some aspect of vision health are particularly encouraged. Applications related to the development of assistive devices for the visually impaired are also welcome. Applicants must identify a member of the Centre for Vision Research to be their mentor (see http://cvr.yorku.ca/members/-faculty/index.html for list of CVR mentors). Salary per annum will be $50,000 plus benefits, and duration will be two years. The successful applicant is expected to complete his/her Ph.D. no later than six months after

beginning the fellowship. Applicant must spend 1% of her/his time mentoring undergraduates at York.

Applicants should submit a letter describing their relevant research, experiences and interests, a curriculum vitae, pertinent reprints, and arrange to have three letters of reference sent to Dr. Hugh Wilson, Director, York Centre for Vision Research, York University, 4700 Keele Street, Toronto, Ontario, Canada, M3J 1P3; phone: (416) 736-2100 x33140, fax: (416) 736-5857, E mail: <mailto:manini@cvr.yorku.ca> manini@cvr.yorku.ca

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's website at: < http://www.yorku.ca/acadjobs/-index.htm> http://www.yorku.ca/acadjobs/-index.htm, or a copy can be obtained by calling the affirmative action office at 416-736-5713. Only Canadian citizens or Permanent Residents are eligible for this funding.

Deadline: Applications must be received by October 1, 2007. Interviews will be conducted at the end of October. It is expected that the successful applicant will begin postdoctoral research at York by January 1, 2008, although later start dates may be possible under exceptional circumstances.

laurencepacker@yahoo.com

WorkshopsCourses

BoulderCO PlantEvol Dec14-16

The MORPH Research Coordination Network is organizing a intensive minicourse entitled "Investigating the Evolution of Plant Form: Conceptual Integration from the Molecular to the Ecological" (December 14-16th, 2007) in Boulder, Colorado. This course and workshop will provide an opportunity for a select group of doctoral students and distinguished investigators in plant evolutionary developmental biology to interact. The goal will be to address current methodological and conceptual hurdles associated with the study of the evolution of plant form. In particular, participants will focus on the integration of developmental information across molecular, organismic and ecological levels of plant biology. In addition to presentations by the faculty, eacht student will outline critcal issues associated with his/her own evolutionary developmental research for discussion by all participants.

In order to apply: 1 You must be a US citizen or associated with a US institution. 2 You must be a PhD student. 3 You must fill out an application cover sheet. 4 You must submit a 2 page description of the conceptual and research questions you propose to speak about during your 15 minute presentation (in pdf format). 5 Your advisor must submit a confidential one page letter of recommendation by the application deadline (in pdf format).

For more information, please see the MORPH website: http://www.colorado.edu/eeb/MORPH The deadline for applications is September 1, 2007

Pamela.Diggle@Colorado.EDU

China EvolGenetics

Unique Opportunity for Ten Undergraduates Ecologi-

cal 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) the opportunity to participate in a unique study abroad opportunity in China this summer.

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 OTS-style 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, Taiwan and Hong Kong.

Of course, students will need to be prepared to take full advantage of this experience. Each spring semester, undergraduates will enroll at the University of Georgia (UGA) and take 3 courses; two in intensive elementary Mandarin Chinese and a laboratory course in genetics. There are no prerequisites for these courses and no prior experience with Chinese language is expected.

The cost to the student is minimal: the grant will cover travel to and within China, lodging and most meals. The student is responsible for visa costs and personal expenses.

The application deadline is November 9, but we encourage any interested students to contact us immediately. For more information, please see the program web site: "http://www.genetics.uga.edu/pire/pirehome.html" or e-mail us at "pire@uga.edu"

Rodney Mauricio 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/mauriciohome.html Evolution at UGA: http://www.genetics.uga.edu/evolution/evoluga.html mauricio@uga.edu mauricio@uga.edu

GoettingenU FrontiersInGeobiology

[apologies for cross-posting]

Dear Colleagues, we would appreciate if you could circulate the announcement below widely.

Workshop "Frontiers in Geobiology" announcement:

Within the framework of the DFG Research Unit FOR571 "Geobiology" we invite applications to attend the workshop "Frontiers in Geobiology" on 13/14 October 2007 hosted by the Department of Geobiology at the Geoscience Center of the Georg-August-Universität in Goettingen (Germany).

This workshop intends to bring together early career researchers from the fields of geobiology, geomicrobiology, animal and plant paleobiology, biogeochemistry, molecular phylogenetics, phylogenomics, evolutionary developmental biology, et al., to indentify and discuss emerging issues in Geobiology, i.e. research at the interface between geo-and biosciences.

Selection of participants will be competetive, but all travel costs, including accomodation and food, will be covered according to German regulations.

Participation is limited to early career researchers, preference will be given to applications from Post-Docs within about 2-4 years after receiving their Ph.D.

Two-page applications (maximum) should be submitted by email (PDF only) to gert.woerheide@geo.uni-goettingen.de until 15. September 2007. The subject line of the email is required to include the keywords "Workshop Frontiers in Geobiology" and the email body should include a brief cover letter of motivation.

Please comply with the following format for your two-page PDF attachment: 1) Short CV including a maximum of 5 best career publications (one page) 2) Statement of past and present achievements; Perspective for future research In the latter part you should identify emerging issues in geobiological research and how you would contribute methodologically and intellectually to address these consequential issues of broad significance. Applications that do not follow the above guidelines will not be considered.

You will be notified by 20. September 2007 about acceptance, and if accepted, you are expected to present your research and concepts during the workshop.

Information about the Department of Geobiology can be found at http:// www.geobiologie.uni-goettingen.de/index_e.shtml The University of Goettingen has a strong commitment to the principles of equal opportunity policies and practices and, in that spirit, we strongly invite women to apply. Equally qualified handicapped applicants will be given preference.

We look forward to your participation

Joachim Reitner & Gert Worheide

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Santiago ConservationGenetics Dec4-14

The Conservation Genetics Network (ReGeneC) announces the IVth Latin American Conservation Genetics Course.

The Conservation Genetics Network (ReGeneC) gathers together scientists with experience in different areas of the conservation genetics thematic who work in the region. The IVth Latin American Conservation Genetics Workshop will be held between December 4-14 2007 in Santiago, Chile. The course is given in spanish, has a postgraduate level and seeks, among other aspects, to train and favour the integration of human resources facilitating the conservation and the appropriate use of the regional biological richness. Dr. Elie Poulin, the organizer of this course, is one of the main researchers of the Institute of Ecology and Biodiversity (http://www.ieb-chile.cl/) and Assistant Professor of The University of Chile (www.lem.dm.cl). Information regarding the programme, participating lecturers and pre-inscription can be found at the web site: http://-web1.ula.ve/portales/regenec/taller/dec2007/ La Red de Genética para la Conservación (ReGeneC) anuncia el IV Taller Latinoamericano de Genética para la Conservación.

La Red de Genética para la Conservación (ReGeneC) reúne a científicos con experticias en distintas áreas de esta temática que trabajan en la región. El IV Taller Latinoamericano de Genética para la Conservación se desarrollará entre el 4 y el 14 de Diciembre de 2007 en Santiago de Chile. El curso es dictado en español, tiene nivel de postgrado y busca, entre otros aspectos, formar y favorecer la integración de recursos humanos para facilitar la conservación y el uso adecuado de la riqueza biológica de esta región. El Dr. Elie Poulin, organizador del curso, es uno de los investigadores principales del Instituto de Ecología y Biodiversidad (http://www.ieb-chile.cl/) y Profesor Asistente de la Universidad de Chile (www.lem.dm.cl). Informaciones acerca del programa, profesores participantes y modalidades de pre-inscripción se encuentran en el sitio web del Taller: http://web1.ula.ve/-portales/regenec/taller/dec2007/ Dr. Elie POULIN Laboratorio de Ecología Molecular (LEM) Instituto de Ecología y Biodiversidad (IEB) Departamento de Ciencias Ecológicas Facultad de Ciencias, Universidad de Chile Las Palmeras 3425, Casilla 653 CP 780-0024, Ñuñoa, Santiago, Chile

http://lem.dm.cl/ http://www.ieb-chile.cl/ Phone: (56)-2-9787298 Fax: (56)-2-2727363 E-mail: epoulin@uchile.cl

Elie Poulin <epoulin@uchile.cl>

Uppsala AMEGO Oct15-17

Welcome to the AMEGO workshop in Uppsala, 15-17 October!

AMEGO or the Arabidopsis Molecular Ecology Group is a network of Arabidopsis research groups from Denmark, Finland, Norway, Russia and Sweden, funded by Nordforsk. During 2007 - 2009 AMEGO will arrange international workshops and PhD courses focusing on Arabidopsis evolution and molecular ecology.

It is our pleasure to welcome you to the first workshop of AMEGO, which will be held 15 - 17 October 2007 at Odalgarden not far from Uppsala (Sweden). The purpose of the workshop is to stimulate contacts and collaboration between labs, and contribute to the training of graduate students working on the ecology and evolution of Arabidopsis and related species.

The workshop will consist of a PhD student course in QTL mapping on Monday the 15th, and two days of workshop on Arabidopsis ecology and evolution. The

one-day course will be taught by Helmi Kuittinen and Outi Savolainen from Oulu, Finland. The rest of the workshop (Tuesday and Wednesday) will be devoted to short talks and poster presentations to which we hope you will contribute. Oral presentations are planned to be 20 minutes including 5 minutes for discussions. As it is our first meeting it will provide a good opportunity to bring the participants up to date with each other's research.

The preliminary schedule for the workshop "Arabidopsis ecology and evolution" is as follows: Sunday 14 Oct Evening Arrival and registration for PhD course Monday 15 Oct 9.00 - 17.00 PhD course in QTL-mapping Breaks for lunch and morning and afternoon coffee/tea Afternoon Arrival and registration for participants not taking part in PhD course 18.30 Dinner 19.30 Get together Tuesday 16 Oct 9.00 - 17.00 Oral presentations Poster session Breaks for lunch and morning and afternoon coffee/tea Dinner Evening Informal discussions about the network and collaborative efforts Wednesday 17 Oct 8.00 - 12.30 Oral presentations Break for morning coffee/tea Lunch 14.00 Busses depart for Uppsala 14.30 Arrival in Uppsala (at the latest)

The cost for the workshop will be 400 SEK for network members and 800 SEK for non-network members. This will include accommodation and all meals. Funds are available to provide some financial support in the form of travel grants for costs for travel to Uppsala (economy fare). If you would like to be considered for a travel grant please include an application with your registration. Priority will be given to applications from PhD-students, postdocs and participants from eastern Europe.

Odalgarden (http://www.odalgarden.se/) is located outside of Uppsala. Uppsala is located 40 minutes by train from Stockholm and can easily be reached from Stockholm - Arlanda International airport (http:// www.lfv.se/templates/-LFV_AirportStartPage_Arlanda____36729.aspx). There are frequent bus and train services between Stockholm - Arlanda Airport and Uppsala. Uppsala is also accessible by train or coach. Transportation between Uppsala and Odalgarden will be arranged. Mini- buses for Odalgarden will leave from in front of Uppsala railway stationat 19.00 on Sunday 14 October, and at 17.00 on Monday 15 October. Please, when registering for the meeting, let us know whether you are interested in transport from Uppsala to Odalgarden, and if you have any difficulty catching the mini-bus at the scheduled time of departure.

Deadline for registration is 21st September. Should interest exceed the maximum 40 participants, priority will be given to network members.

To register please send an email to Jenny Hagenblad (Jenny.Hagenblad@ebc.uu.se) with the following information: 1) Name 2) Position 3) Department 4) Address 5) E-mail 6) Phone no 7) Gender 8) Single/double room and preferred roommate (if sharing) 9) Special food requirements 10) Preferred mode of presentation (talk or poster) 11) Preliminary title of the presentation 12) Days you will attend 13) Expected time of arrival at Uppsala, if you need transport between Uppsala and Odalgarden

Please visit the AMEGO website: http://-www.molecol.net/index_files/ slide0002.htm for more information about AMEGO. The Department for Ecology and Evolution, Plant Ecology website can be found at: http:// www.vaxtbio.uu.se/ Very welcome to Odalgården and Uppsala in October!

Best regards,

Jenny Hagenblad and Jon Ågren

Jenny Hagenblad Uppsala University EBC, Plant Ecology SE-752 36 Uppsala Sweden

Tel: (+46)(0)18 471 2863

Jenny.Hagenblad@ebc.uu.se
Jenny.Hagenblad@ebc.uu.se

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.