
Subject: SMB Digest v09i46

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Note:

Information about the Society for Mathematical Biology, including an application for membership, may be found in the SMB Home Page, <http://www.smb.org/> .

Access the Bulletin of Mathematical Biology, the official journal of SMB, at <http://www.springer.com/11538> .

Inquiries about membership or BMB fulfillment should be sent to membership(at)smb(dot)org .

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SMBnet Reminders

From: IGTC Coordinator <igtcmathbio@math.ualberta.ca>
Date: Wed, Nov 18, 2009 at 2:06 PM
Subject: Fellowships: Mathematical Biology, PIMS IGTC

The PIMS International Graduate Training Centre in Mathematical Biology invites applicants for the IGTC fellowship for 2010-2011 academic year. Fellowships are worth up at \$20K a year and are for students working in mathematical biology at Pacific Institute for Mathematical Sciences (PIMS) universities (Alberta, British Columbia, Calgary, Regina, Saskatchewan, Simon Fraser and Victoria)

If you have excellent students, either potential students applying now or current students please encourage them to apply.

There are also opportunities for students to enroll in the programme. All students can benefit from IGTC graduate training elements including annual research summits, summer courses, new term-time courses, seminars, graduate student exchanges, and international visitors.

Full details of the IGTC Programme and application process can be found here: <http://www.pims.math.ca/scientific/igtcmathbio> . If you have further questions, please contact the IGTC coordinator, Maryna Yaskina at igtcmathbio@math.ualberta.ca or Programme Director Mark Lewis at mlewis@math.ualberta.ca.

Application deadline is February 5, 2010.

From: Shell, Jillanne K <jill.shell@vanderbilt.edu>
Date: Wed, Nov 18, 2009 at 10:42 AM
Subject: 2010 Summer Cancer Research Fellowship

Dear Faculty and/or Staff Members,

On behalf of the Education and Outreach Committee of the National Cancer Institute's Integrative Cancer Biology Program (NCI ICBP), we would like to inform you of the opportunity for Undergraduate Students to participate in the 2010 Summer Cancer Research Fellowships sponsored by the NCI ICBP. The Program is available for undergraduate students interested in the emerging field of Integrative Cancer Biology. Online applications will be accepted beginning Monday, December 7 through Monday, January 25, 2010. In addition to Biology majors, we especially encourage Computer Science, Biostatistics, Mathematics, Bioengineering, and other quantitative majors to apply. We also encourage women and minorities to apply.

For more information including project descriptions and the online application, visit:

http://icbp.nci.nih.gov/summer_program/

From: Lydia Liu <lidanliu@fas.harvard.edu>
Date: Thu, Nov 19, 2009 at 10:46 AM
Subject: Prize Fellowships: Foundational Questions in Evolutionary Biology

Prize Fellowships to study Foundational Questions in Evolutionary Biology

The Program for Evolutionary Dynamics at Harvard University proposes to elect up to ten research fellows to study foundational questions in evolutionary biology. The successful candidates will receive a grant of up to \$75000 per year for up to two consecutive years. The fellows will do cutting edge research at Harvard University or other academic institutions in the Boston area. The fellows will be expected to participate in the creation of new research networks, to attend regular meetings, and to work across disciplinary boundaries. Work which has significant philosophical implications for evolutionary biology and science more broadly will receive priority. Applicants must have a PhD and excellent track record of scientific productivity, as evidenced by publications.

Applications including a brief description of research interests and proposed projects (no more than 3 pages) and a CV should be sent to lydia_liu@harvard.edu by February 1, 2010. Three letters of reference should also be directly submitted to the same address. One letter should come from the principal investigator of the research lab where the applicant plans to work.

Further information is available at <http://www.ped.fas.harvard.edu/> .

From: Philip Maini <maini@maths.ox.ac.uk>
Date: Fri, Nov 13, 2009 at 6:09 AM
Subject: 2010 OCCAM Conf: Modelling at Different Scales in Biology, June 21-23

2010 OCCAM CONFERENCE ON: Modelling at different scales in biology
St Anne's College, University of Oxford
Monday 21st June - Wednesday 23rd June 2010

Organisers: Paul Bressloff, S. Jonathan Chapman, David Gavaghan, Philip

K. Maini

Biological function arises as the result of processes interacting across a range of spatiotemporal scales. It is now being increasingly recognised that mathematical and computational tools are necessary if we are going to be able to fully understand these complex interactions. This requires modelling at each spatial level, model reduction, and model integration across scales. The aim of this meeting is to bring together researchers in these areas with applications to a range of biological systems.

The conference will run for two-and-a-half days (registration 10.15am Monday morning, Conference Introduction at 10.45am) through to lunch 12.30pm on Wednesday, and will consist of 12 invited talks. The conference will be opened with a talk by Professor J. D. Murray.

Registration for this event will open in February 2010. Details of the confirmed speakers and the registration form (once active) can be found at <https://www.maths.ox.ac.uk/groups/occam/forthcoming-events/occam-conference-mode>
lling-different-scales-biology

From: <kisdi@mappi.helsinki.fi>
Date: Fri, Nov 13, 2009 at 7:30 AM
Subject: Summer School: Mathematical Ecology & Evolution, 22-29 Aug, Turku

Summer school: Mathematical ecology and evolution (22-29 August 2010)

We are pleased to announce the Helsinki Summer School on Mathematical Ecology and Evolution 2010, an EMS-ESMTB School in Applied Mathematics, and invite students and young researchers to attend the one-week intense program of five topics at the research frontier:

Evolutionary game theory (Karl Sigmund)
Bifurcation analysis (Yuri Kuznetsov)
Stochastic differential equations (Carlos Braumann)
Population genetics (Reinhard Bürger)
Stochastic models for epidemics (Tom Britton)

The school is organised by the Biomathematics Group of the University of Helsinki and will be held between 22 and 29 August 2010 in Turku, Finland.

Deadline for applications is 15 April 2010. There is no registration fee. The school awards 8 ECTS credits.

For more details and application, see
<http://wiki.helsinki.fi/display/huippu/mathbio2010>.

From: Kristopher Monger <kmonger@vbi.vt.edu>
Date: Wed, Nov 11, 2009 at 4:53 PM
Subject: Summer Research Opportunities: Undergraduates, VBI & VT

Summer research opportunities & fellowships for undergraduate students

REU Site: Modeling and Simulation in Systems Biology (MSSB)

Who should attend: rising juniors or seniors in a mathematical or computational science.

The scientific focus of the program is the modeling and simulation of biological networks, ranging from intracellular biochemical networks to networks at the organism level and the population level. The program is a partnership between the Virginia Bioinformatics Institute (VBI) and the Interdisciplinary Center for Applied Mathematics (ICAM) at Virginia Tech.

VBI is a multidisciplinary research institute integrating quantitative and experimental approaches to biological systems. ICAM focuses on interdisciplinary research and education, bringing together mathematics, engineering, and the sciences. Housing, meals, travel, and scholarship reimbursement are provided.

The program dates are: June 1 - August 7, 2010 (10 weeks)
The application deadline is: February 8, 2010
website: <http://biomath.vbi.vt.edu/>

Contact:
Biomath Program Coordinator
Virginia Bioinformatics Institute
Washington Street (0477)
Virginia Tech
Blacksburg, VA 24061
email: biomath@vbi.vt.edu

Bioengineering and Bioinformatics Summer Institute (BBSI)

BBSI is a summer program designed for junior or senior level undergraduates who are interested in attending graduate school in biomedical engineering and/or bioinformatics. Funding from the National Science Foundation/National

Institutes of Health, VBI and the Virginia Tech-Wake Forest University School of Biomedical Engineering and Science (SBES) coordinate this ten-week educational and research experience, which emphasizes major research areas: Computational Systems Biology, Computational Bio-Imaging, Computational Physiology, and Mathematics. Housing, meals, travel, and a stipend are provided.

The program dates are: June 1 - August 7, 2010 (10 weeks)
The application deadline is: February 8, 2010
website: <http://www.bbsi.sbes.vt.edu/>

From: Fiona Clark <fclark1@inf.ed.ac.uk>
Date: Wed, Nov 18, 2009 at 4:39 AM
Subject: Call for Workshops and Tutorials, ICSB 2010, Oct 10-15, Edinburgh

Call for Workshops at ICSB2010

We are now accepting proposals for workshops to be held in conjunction with the 11th International Conference on Systems Biology, which will be held October 10-15, 2010 in the Edinburgh International Edinburgh International Conference Centre (EICC), Edinburgh, UK.

Deadline for Proposals for Workshops: 15 December, 2009.
Notification of Acceptance: 15 January, 2010.

It is expected that workshops will be held on the 15th October, 2010 at the EICC. However, additional workshops may be organised before or after ICSB2010 at a separate venue, subject to approval by the local organising committee. Please contact Prof. Igor Goryanin for further details.

Workshops can vary from a half day (approximately 4 hours) to a full day, extended if necessary through participation of a local organiser.

The proposal shall describe the purpose, background, estimated number of attendees, possible names of speakers, and general format of the workshop. Strong consideration will be given to workshop proposals that are of interest to an interdisciplinary community, and provide a framework for future research agendas. Early decisions may be made for workshops that require advanced preparations as well as for workshops that are held regularly with ICSB.

The EICC is an international-class conference venue with a range of flexible seminar and meeting rooms (<http://www.eicc.co.uk>). Meeting rooms will be provided on a space-available basis in the Conference Centre. Space is available for up to 12 workshops to be held simultaneously, with

capacities of 15 to 100 people (classroom-style seating) or 30-300 people (theatre-style seating). The smaller venues can be arranged to seat up to 36 people boardroom-style for committee meetings. An additional boardroom for up to 14 people is available.

Further information about ICSB2010 workshops together with proposal forms can be found at <http://www.icsb2010.org.uk/workshops>."

Chair of the Scientific Program Committee and Congress Chairman, Prof. Igor Goryanin

Vice Chair of the Scientific Program Committee, Dr. Andrew B. Goryachev

Call For Tutorials

10th International Conference on Systems Biology Edinburgh, UK. 10th-15th October 2010

The ICSB tutorials series is meant to prepare attendees for a better understanding of certain aspects of the main conference, by giving them an introduction to the tools and methods of general interest for systems biology and by providing hands-on experience where appropriate. We would now like to invite prospective tutorial organisers to submit proposals for ICSB2010 tutorials to the organising committee.

Proposals should include the purpose and background of the subject area, the name of organizer and speakers, a description of their organisation, an estimate of the numbers of participants and mention whether demonstration facilities other than a standard AV system will be used. If tutorial material already exists even in draft stage, it would be helpful for the programme committee to make a more informed decision, if it were included with the proposal. Tutorials will last up to 4hrs.

Enquiries can be made directly to Prof. Vincent Danos (vdanos@inf.ed.ac.uk) and Dr. Hong Yue (hong.yue@eee.strath.ac.uk).

Examples of tutorials given at recent ICSB meetings can be found at
<http://www.icsb-2007.org/tutorials/index.html>
<http://www.icsb-2008.org/main.php?display=tutorials>
<http://icsb-2009.org/schedule.php#tutorial1>

Deadline for tutorial proposals: Jan 15 2010

Tutorial venue and date: Edinburgh International Conference Centre, Oct 10 2010

Submission can be made directly to Prof Danos and Dr Yue or via the conference website.

Registration and Fees :

There is no charge to present an academic/non-profit tutorial. Registration for tutorials will be handled by ICSB and participants will be charged to cover the local expenses. Tutorial presenters and attendees are expected to register for the main conference. Appropriate badging for all tutorial attendees will be provided.

Commercial tutorials may be presented at a cost of GBP500. Commercial tutorials are tutorials that primarily focus on using specific commercial products or systems, or at which commercial products are advertised, promoted, or sold, or which are primarily taught by the distributors or producers of those products. The program committee will make the final determination of whether or not a tutorial is commercial.

For more information about ICSB2010, please see <http://www.icsb-2010.net/>

From: Jonathan Rubin <jonrubin@pitt.edu>
Date: Thu, Nov 12, 2009 at 5:35 PM
Subject: Call for Abstracts: CNS*2010, July 24-30, San Antonio

CNS*2010 Nineteenth Annual International Computational Neuroscience Conference
July 24 - July 30, 2010
San Antonio, Texas, USA
<http://www.cnsorg.org>

FIRST CALL FOR ABSTRACTS - CNS*2010
SUBMISSION DEADLINE: February 14, 2010 (11 PM Pacific Time, USA)
ABSTRACT SUBMISSION OPEN: January 18, 2010
ABSTRACT SUBMISSION WEBSITE: <http://www.cnsorg.org/2010/submission.shtml>

EARLY MEETING REGISTRATION OPEN: January 15, 2010
(<http://www.cnsorg.org> or <https://www.regonline.com/CNS2010>)

CNS*2010 will be held in San Antonio, Texas, USA July 24-30th, 2010. The meeting will kick off with a day of tutorials and an evening welcome reception on July 24th. The main meeting of CNS*2010 will take place from Sunday July 25th-Wednesday July 28th, including a special Symposium, "Twenty years of computational success", on the afternoons of July 26th-27th. These events will be followed by two days of workshops on July 29-30th (Thursday-Friday).

The main meeting will be held in the historic Sheraton Gunter Hotel in central San Antonio, one block from San Antonio's Famous River Walk. San Antonio is home to several universities including the University of Texas Health Science Center - San Antonio and the University of Texas San Antonio, which are both sponsoring CNS*2010. As is traditional, the CNS banquet will be an interesting

and culturally themed event, hosted at Sundance Ranch on July 28th.

Submissions can include experimental, model-based, as well as more abstract theoretical approaches to understanding neurobiological computation. We especially encourage research that mixes experimental and theoretical studies. †We also accept papers that describe new technical approaches to theoretical and experimental issues in computational neuroscience or relevant software packages.

From: EMBL Courses & Conferences <events@embl-events.de>
Date: Fri, Nov 20, 2009 at 1:22 PM
Subject: EMBL Course: Exploring Modular Protein Architecture, 19-22 Jan

EMBL Course Announcement:

Dear colleagues,

We would like to announce the EMBL Course:
Exploring Modular Protein Architecture

which takes place in Heidelberg, Germany at EMBL from 19 to 22 January 2010

Please check the conference website for more information:
www.embl.de/courses/proteinarchitecture/2010

The course will set the scene by introducing the biological concepts behind these architecture modules and provide extensive hands-on application of the relevant bioinformatics tools with appropriate example proteins. The power - but also the limitations, which remain substantial - of the currently available software will be examined.

Period: 19 - 22 January†2010
Location: Heidelberg, Germany

Registration is now open.
Registration and abstract deadline: 4 December 2009

Please visit www.embl.org/events for a complete list of all EMBL events

From: Warchall, Henry A. <hwarchal@nsf.gov>
Date: Fri, Nov 6, 2009 at 11:32 AM

Subject: Updated NSF program solicitation: Cyber-Enabled Discovery & Innovation

Dear Colleagues,

An updated NSF program solicitation is now available:

† Cyber-Enabled Discovery and Innovation (CDI)

Please see

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503163

for details.

Submission window for Full Proposals:

† Type I: January 4, 2010 to February 4, 2010

† Type II: January 5, 2010 to February 5, 2010

From: Dee Halzack - WIT Press <Dee.Halzack@witpress.com>

Date: Thu, Nov 19, 2009 at 11:53 AM

Subject: New Book: Ecological Modelling: An Introduction, WIT Press

Ecological Modelling: an Introduction

S E Jorgensen, University of Copenhagen, Denmark

This textbook is tailored for senior undergraduate program or first-year master's students. The book covers the basic theory of this powerful tool for environmental management and ecological research and provides an overview of the various model types used, as well as details of the five most-applied types: bio-geo-chemical models, population dynamic models, ecotoxicological models, spatial models and structurally dynamic models.

ISBN: 978-1-84564-408-6 ; eISBN:978-1-84564-409-3

Pages: 208 ; Price:\$124.00 (\$138.00 after January 1, 2010)

Contents:

- ∑ Ecological models
- ∑ Model types
- ∑ Biogeochemical models
- ∑ Population dynamic models
- ∑ Ecotoxicological models
- ∑ Spatial models

Σ Structurally dynamic models

From: Sternberg, Zoe <Zoe.Sternberg@tandf.co.uk>

Date: Fri, Nov 20, 2009 at 5:12 AM

Subject: TOC: Computational and Mathematical Methods in Medicine, Vol 10, Iss 4

Computational and Mathematical Methods in Medicine, volume 10, issue 4
is now available online at www.informaworld.com/CMMM

Correlation between animal and mathematical models for prostate cancer
progression

by Z. Jackiewicz; C. L. Jorczyk; M. Kolev; B. Zubik-Kowal

pages 241-252

Different strategies for cancer treatment: Mathematical modelling

by O. G. Isaeva; V. A. Osipov

pages 253-272

Mathematical identification of a neuronal network consisting of GABA and
DA in striatal slices of the rat brain

by L. Ramrath; J. Levering; M. Conrad; A. Thuemen; H. Fuellgraf; A. Moser

pages 273-285

The dynamics of an HIV/AIDS model with screened disease carriers

by S. D. Hove-Musekwa; F. Nyabadza

pages 287-305

From: Helen Byrne <Helen.Byrne@nottingham.ac.uk>

Date: Mon, Nov 9, 2009 at 9:23 AM

Subject: PhD Studentships: Maths & Stat in Biomedical Problems, Nottingham

School of Mathematical Sciences

Centre for Mathematical Medicine & Biology

PhD Studentships in Mathematics & Statistics Applied to Biomedical Problems

The Centre for Mathematical Medicine and Biology invites applications for
fully-funded PhD Studentships, starting September 2010. Potential projects
involve the application of mathematics and/or statistics to problems in a
range of areas, including physiology, tumour growth, regenerative medicine,
neuroscience and population health. Students should have, or expect to

obtain, a first or upper second class degree in mathematics, statistics or a closely related subject.

The studentships available include MRC-funded ones that carry an enhanced stipend and are subject to residence requirements. Informal enquiries may be addressed to Mrs Cathie Shipley (email: cathie.shipley@nottingham.ac.uk).

Further details of the projects and application procedure are available at: <http://www.maths.nottingham.ac.uk/cmmb/> .

From: Abbas, Ume <ABBASU@ccf.org>
Date: Mon, Nov 16, 2009 at 7:40 PM
Subject: Postdoctoral Research Position: Cleveland Clinic

POSTDOCTORAL RESEARCH POSITION IN INFECTIOUS DISEASE EPIDEMIOLOGICAL MODELING IS AVAILABLE IMMEDIATELY

An exciting position has become available in the Department of Infectious Diseases / Quantitative Health Sciences, Cleveland Clinic Foundation & Lerner Research Institute, to study the impact of antiretrovirals on the spread of human immunodeficiency virus (HIV) and drug resistance using mathematical and computational models.

The successful applicant will hold a Ph.D. in mathematics, physics, engineering, operations research, computer science, or related field. Expertise in advanced programming languages such as C++ and Java is essential. Strong methodological background in stochastic modeling (including Markov modeling, individual-based modeling, and Monte Carlo simulation), dynamical systems, and numerical techniques is required. Excellent communication skills are necessary. Experience in statistical analysis and working knowledge of mathematical, statistical and simulation software are desirable.

Please submit your curriculum vitae, a brief statement of research interests and goals and contact information for three references to Ume L. Abbas, MD via email at abbasu@ccf.org.

The Cleveland Clinic is an Affirmative Action, Equal Opportunity Employer.

From: Manolis Kellis <manoli@mit.edu>

Date: Mon, Nov 9, 2009 at 2:38 PM

Subject: Postdoctoral Positions: MIT Computational Biology

The MIT Computational Biology group (compbio.mit.edu) is seeking highly motivated postdocs to undertake exciting new projects in computational and regulatory genomics. We seek applicants with a strong background in machine learning, algorithm development, statistical methods, and their applications to computational biology, gene regulation, epigenomics, and integration of large-scale biological datasets.

Our group is part of the MIT Computer Science and Artificial Intelligence Lab, and of the Broad Institute of MIT and Harvard, leading to a truly interdisciplinary environment. We have numerous ongoing collaborations with experimental and biological groups, and are part of the NIH ENCODE, modENCODE, and Epigenome Roadmap collaborative projects where our group plays a leadership role in data analysis and integration.

For more information about the group, please visit:

† <http://compbio.mit.edu/>

Applicants are sought for the following ongoing projects:

(1) Integrative analysis of genomic and epigenomic datasets in the human genome, in the context of the NIH Epigenome Roadmap and ENCODE projects. Goal is to use many chromatin marks in multiple cell types in order to discover and interpret chromatin states, understand their biological roles, and their dynamics in differentiation and disease (NIH RC1-HG005334, NIH U54-HG004570).

(2) Integrative analysis of the Drosophila modENCODE project. Goal is to systematically understand the functional elements encoded in the fly genome, and the regulatory logic defining transcription factor binding and chromatin domains, and guiding developmental programs (NIH RC2-HG005639, NIH U54-HG004555).

(3) Regulatory genomics in human and fly genomes. Goal is to discover regulatory motifs, enhancers, and cis-regulatory modules in the human and fly genomes, and develop predictive models of gene regulation using comparative genomics and large-scale experimental datasets (NIH R01-HG004037).

(4) Role of non-coding RNAs in chromatin. Goal is to understand the role of small and large non-coding RNAs in directing, establishing, and maintaining chromatin modifications in human embryonic stem cells and during differentiation and cancer (Collaborative work with Ron Hart at Rutgers and John Rinn at HMS).

(5) Additional projects are available in comparative genomics, genome interpretation, microRNA regulation, phylogenomics, image analysis, RNA structure, and applicants are welcome to define their own projects within the

context of ongoing activities in the group (NSF 0644282, NIH U01-HG004264, NSF 0936234).

For more information about open positions, please visit:

† †<http://compbio.mit.edu/positions.html>

or contact Prof. Manolis Kellis directly at <manoli@mit.edu>.

From: Lindi Wahl <lwahl@uwo.ca>

Date: Fri, Nov 20, 2009 at 12:11 PM

Subject: Postdoc Positions: Comp / Math Modelling, Univ Western Ontario

Postdoc Positions: Computational and/or Mathematical Modelling, Univ of Western Ontario

Candidates with expertise in (i) Mathematical Biology, specifically biomechanics, disease dynamics or evolutionary theory, or (ii) Condensed Matter Physics, specifically soft and biological matter, and/or multi-scale modelling are invited for several post-doctoral positions in the Department of Applied Mathematics at the University of Western Ontario.

These positions are not tied to specific research projects, thus successful candidates will have considerable latitude in their choice of research topic in consultation with their supervisor(s). Potential supervisors for this call are: Rob Corless, Colin Denniston, Mikko Karttunen, Lindi Wahl, Geoff Wild, Pei Yu, Xingfu Zou and Mair Zamir. Candidates must provide a cover letter which explains which of these potential supervisors would be appropriate for the proposed research program.

Successful candidates will have completed a Ph.D. degree, and will have an active research program in mathematical modelling. The appointments will be for 1+1 years with flexible starting dates. Salary will be commensurate with experience and qualifications.

Applicants should apply via mathjobs.org (position ID: Western-PDF), including a curriculum vitae and a research statement, as well as two or three letters of reference.

Applications and letters of reference should be received by February 28, 2010. This competition is open to all qualified candidates, regardless of citizenship.

From: Seier, Edith <SEIER@mail.etsu.edu>
Date: Tue, Nov 10, 2009 at 5:33 PM
Subject: Tenure-track Position: Mathematics, East Tennessee State University

East Tennessee State University - College of Arts and Sciences - Department of Mathematics - Assistant Professor - Statistics or Applied Mathematics - Tenure Track

The Department of Mathematics in the College of Arts and Sciences at East Tennessee State University invites applications for a tenure track position beginning in August of 2010, contingent upon funding. The department features faculty active in research, funding from a variety of sources, significant involvement in the community and a commitment to curricular innovation at all levels. Currently the department is involved in Symbiosis, a Howard Hughes Medical Institute funded project to integrate statistics, calculus, and biology at the introductory level.

Candidates should have completed a doctoral degree in statistics, mathematical biology, applied mathematics, or a related field by August of 2010. Responsibilities for this position include teaching either mathematics or statistics courses at the undergraduate and graduate levels, directing masters. theses, and maintaining an active research program. Candidate will also be expected to participate in the Symbiosis project. Since equal emphasis is placed on teaching and research, applicants must demonstrate both a dedication to quality teaching and strong research abilities. Preference will be given to candidates with expertise in computational science, quantitative biology, biostatistics, or bioinformatics. Review of applications will begin on December 1, 2009, and will continue until the position is filled.

Apply through the ETSU e-jobs system
<https://jobs.etsu.edu/applicants/Central?quickFind=50649> . Please include the following documents: A cover letter, AMS cover sheet <http://www.ams.org/employment/cover-printable.pdf>, curriculum vitae, and unofficial graduate transcripts. The cover letter should include detailed information regarding your teaching philosophy, your immediate research goals, experiences in curriculum innovation or interdisciplinary collaboration, and how you envision yourself contributing to the goals of the department. Also, have three recommendation letters sent directly to Dr. Edith Seier, Department of Mathematics, Box 70663, ETSU, Johnson City, TN 37614-0663 or to mathjob@etsu.edu. Information about the mathematics department can be found at <http://www.etsu.edu/math/>. ETSU is an AA/EOE.

From: Horst Thieme <h.thieme@asu.edu>

Date: Thu, Nov 5, 2009 at 2:13 PM

Subject: Tenure-track Positions: Mathematical and Statistical Science, ASU

ARIZONA STATE UNIVERSITY
An Equal Opportunity/Affirmative Action Employer

PROBABILITY or STATISTICS

The School of Mathematical and Statistical Sciences at Arizona State University invites applications for a tenure-track or tenured position at any level beginning in the Fall semester of 2010. Applicants are required to have a Ph.D. in the mathematical or statistical sciences with a research emphasis in statistics and/or probability (or other closely related discipline) by August 10, 2010. Candidates at the assistant professor level must also have demonstrated potential for excellence in research and teaching at all levels. Candidates at the associate professor or full professor level must have demonstrated excellence in research and teaching at all levels, and should have experience advising graduate students,. The successful candidate will be expected to conduct research and publish in the area of probability and/or statistics and their applications, provide quality teaching of undergraduate and graduate courses, and participate in on-campus interdisciplinary activities and appropriate professional service.

The Tempe campus of Arizona State University has approximately 57,000 students. It is located in the rapidly growing metropolitan Phoenix area, which provides a wide variety of recreational and cultural opportunities. The School of Mathematical and Statistical Sciences currently has 57 full time faculty members and over 90 supported graduate students. Current research strengths include the theory and applications of dynamical systems, computational mathematics, statistics, and mathematical biology. Excellent computing resources are available, including individual faculty workstations as well as access to the University's central computing facilities and the Fulton High Performance Computing Initiative.

The School of Mathematical and Statistical Sciences has a strongly interdisciplinary oriented research profile that includes numerous collaborations inside and outside the university, such as in the social sciences, education, physical sciences, engineering, biological sciences, medicine, and environmental sciences. We are particularly interested in candidates who can collaborate in interdisciplinary research with current faculty in applications to the biological, medical, or other sciences, and who can transcend traditional boundaries between academic disciplines.

Demand for research and instruction in probability and statistics at ASU continues to increase. There are numerous opportunities for collaboration with groups based in TGen, the Biodesign Institute (which includes Centers specializing in the nanobiosciences, bioengineering, genomics,

and vaccinology), and the Center for Environmental Studies. The successful candidate will have a unique opportunity to help shape the future direction of the mathematical and statistical sciences at ASU.

Applications must be submitted online through <http://www.mathjobs.org>

All applications must include the following:

1) a curriculum vitae; 2) a personal statement addressing their research agenda; 3) a statement of teaching philosophy and 4) a completed AMS Standard Cover Sheet form.

At least four letters of recommendation must also be submitted at this site, at least one of which addresses teaching.

A background check is required for employment. The initial deadline to apply is December 4, 2009 at 5:00pm in Arizona; if not filled, weekly thereafter until the search is closed.

Arizona State University is an affirmative action, equal opportunity employer committed to excellence through diversity. Women and minorities are encouraged to apply. The title IX statement can be viewed at: <https://www.asu.edu/titleIX/>

From: "Renata Ivanek-Miojevic" <RIvanek@cvm.tamu.edu>
Date: Wed, 18 Nov 2009 16:06:09 -0600
Subject: Faculty Positions: Epidemiology, Texas A&M University

FULL/ASSOCIATE/ASSISTANT PROFESSOR Faculty Positions in Epidemiology at Texas A&M University

The Department of Veterinary Integrative Biosciences in the College of Veterinary Medicine and Biomedical Sciences at Texas A&M University invites applicants for up to three 12-month, fully budgeted, tenure-track faculty positions at the full, associate or assistant professor level in the area of epidemiology. We seek energetic individuals applying innovative epidemiological approaches to solve animal and human health problems. Applicants with a background in computational biology/medicine, biometry and bioinformatics are also encouraged to apply. The successful candidates will be expected to develop and sustain vigorous extramurally funded research programs, supervise graduate students and teach graduate-level epidemiological methods and/or epidemiology and public health to veterinary students in the professional curriculum. The positions require a PhD degree (or equivalent) and an accomplished record of publication. A DVM (or equivalent) is desirable. Salary and start-up package will be competitive

and commensurate with level of accomplishment.

Review of applications will begin immediately and continue until the positions are filled. Applicants should send a letter of interest outlining their qualifications, current curriculum vitae, statement of specific research and teaching interests and philosophies, and the names of three potential references, along with complete contact information to Ms. Dana J. Parks, Administrative Assistant to the Department Head, via email (dparks@cvm.tamu.edu) or by post (VMA Bldg. Rm. 107, College Station, TX 77843-4458). For further information about the positions, please contact Dr. Bo Norby (bnorby@cvm.tamu.edu). The full position description may be viewed at <http://www.cvm.tamu.edu/facultyrec/positions/epidemiology.html> .

From: Roman R. Poznanski <roman.poznanski@um.edu.my>
Date: Tue, Nov 17, 2009 at 5:24 AM
Subject: Faculty Positions: Biomathematics, University of Malaya

Faculty Positions in New Mathematics of the Brain

The University of Malaya through the Neural Networks Research Group is spearheading the development of new mathematics of the brain to reveal emergent properties of physiological neural networks. We are offering scholarships for top and first class postgraduate students and research appointments for postdoctoral fellows at the University of Malaya. Faculty appointment at the lecturer and professorial level is also available. These positions are on contract basis and require a Ph.D. and a strong publication record. Preference will be given to candidates with experience in nonlinear analysis of partial differential equations. Neuroscience knowledge is not essential. The commencement date is January 2010.

The University of Malaya is located on a 750 acre campus in Kuala Lumpur. It has a long tradition with Sir Alexander Oppenheim, a renowned mathematician, as its first Vice-Chancellor.

Please send applications by e-mail and include: (1) a letter of intent (type of position seeking); (2) curriculum vitae; (3) an outline of future research, including a brief description of the facilities required to carry out the research; (4) three to five publications (in PDF format) that best represent the candidate's work and teaching direction; (5) the names of three individuals willing to provide letters of reference.

Inquiries regarding any of the positions should be directed to

Head of Neural Networks Research Group, Professor R. R. Poznanski,
roman.poznanski@um.edu.my and a copy to be forwarded to Human Resources
Division at foreignlecturer_rc@um.edu.my .

Closing Date: 19th February 2010

From: Lacey Kennedy <kenne639@umn.edu>
Date: Mon, Nov 16, 2009 at 11:54 AM
Subject: Faculty Position: Mathematics, University of Minnesota Rochester

The University of Minnesota Rochester (UMR) is seeking a full time Mathematics position for its degree program, Bachelor of Science in Health Sciences (BSHS). The successful candidate will help prepare and teach the range of mathematics courses (statistics, algebra, and calculus) needed by students in the BSHS program. Duties include preparing and teaching classroom sessions, facilitating classroom learning, tutoring, grading, and related duties as assigned. A complete position description is available on the UMR website, www.r.umn.edu.

All applicants must apply through the UM online application system at <https://employment.umn.edu>. For application instructions and links, click on 'Search Postings' and use job requisition #163977. In addition to the application, applicants must attach a letter of interest, resume, and references.

For more information, contact Andrea Wilson, University of Minnesota Rochester, 300 University Square, 111 South Broadway, Rochester, MN 55904; fax 507-281-7794, phone 507-280-4650, e-mail wils1236@umn.edu.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status or sexual orientation. To request disability accommodations and/or to receive materials available in alternative formats, please contact Andrea Wilson as noted above.

The University of Minnesota is an Equal Opportunity Employer and Educator. Women and minorities are encouraged to apply.

Subject: SMBnet Reminders

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