SENIOR FACULTY POSITION IN BIOLOGY

The Department of Biology at Virginia Commonwealth University invites applications for a senior-level, tenure-eligible faculty position. We seek an established scientist to complement and interact with faculty in at least one of our recognized areas of excellence: Cell Regulation, Evolution, and Ecological Processes and Applications. Applicants must have a Ph.D. in biology or closely related discipline and should have a nationally recognized research program with an established record of publication and external funding. Anticipated start date is August 16, 2011, pending funding. The successful applicant will be expected to maintain a productive, externally funded research program and direct graduate students through the Ph.D. level. Primary teaching responsibilities will include related undergraduate and graduate courses. Postdoctoral experience is expected and demonstrated evidence of excellence in teaching is required. Candidates must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU. Competitive startup funds and excellent core facilities are available.

Virginia Commonwealth University has an enrollment of 32,000 students, including over 1,600 undergraduate and nearly 100 graduate students in Biology. The Department of Biology (website: http://www.has.vcu.edu/bio) has 32 faculty members with diverse research interests. Collaborative opportunities are also available with departments in VCU Life Sciences (website: http://www.vcu.edu/lifesci) and on the medical campus of VCU. Additional research opportunities are available through the Center for Environmental Studies (website: http://www.vcu.edu/cesweb) and at the Rice Center, VCU’s nearby field station on the James River (website: http://www.vcu.edu/rice).

Submit vitae, statements of research and teaching interests, and three letters of reference by December 1, 2010 to: Stephanie Millican, Department of Biology, Virginia Commonwealth University, Richmond, VA 23284-2012. Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities and persons with disabilities are encouraged to apply.

EVOlutionary BIOLOGIST

Department of Biology
West Chester University

Tenure-track ASSISTANT PROFESSOR position available August 2011. Earned Doctorate in Evolutionary Biology or related discipline; research focused on some aspect of evolution such as molecular evolution, evolution and development or evolutionary ecology. Successful applicant must be qualified to teach Organic Evolution, Human Anatomy and Physiology, and special topics courses or graduate courses as needed. Candidate is expected to establish an active, externally funded research program involving graduate and/or undergraduate students. Finalists must successfully complete interview process and teaching demonstration. Mail one hard-copy of all official university transcripts, statements of teaching and research philosophies, curriculum vitae, and three letters of recommendation to: Dr. John T. Beneski, Department of Biology, West Chester University, West Chester PA 19383 (no e-mail applications). Review of completed applications begins on January 4, 2011, and continues until position is filled. For more details and full ad visit website: http://www.wcupa.edu/scripts/vacancies/v-list.asp, call telephone: 610-436-2316, or e-mail: jbeneski@wcupa.edu. The filling of this position is contingent upon available funding. All offers of employment are subject to and contingent upon satisfactory completion of all pre-employment background and consumer reporting checks. Affirmative Action/Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.

ASSISTANT PROFESSOR

The Department of Microbiology and Immunology at Cornell University in Ithaca, NY (website: http://www.vet.cornell.edu/microbiology/) seeks applicants for a tenure-track position at the level of Assistant Professor.

Applicants should have a Ph.D., D.V.M., M.D., or equivalent degree with postdoctoral training. We are interested in individuals whose primary focus is the interface between pathogen and host and show exceptional promise for a career in academic science. Areas of research interest include innate and adaptive immune responses to infectious agents, as well as the mechanisms by which viruses, bacteria, or parasites combat immune defense.

The successful candidate will be expected to establish an innovative, extramurally funded research program and contribute to teaching at the graduate student and pre-clinical professional levels within the College of Veterinary Medicine. The new faculty member will join a collaborative, interdisciplinary Life Sciences community on the main campus of Cornell University in Ithaca, with additional potential for interactions with Weill Cornell Medical College faculty in New York City.

Salary will be commensurate with academic credentials and experience.

Interested candidates should submit applications electronically as a single PDF file (titled last name, first name) to e-mail: sf55@cornell.edu. The file should include curriculum vitae, contact information for three references, a statement of future research interests, and cover letter addressed to Dr. Ted Clark, Faculty Search Committee Chair, Department of Microbiology and Immunology.

Cornell University seeks to meet the needs of dual career couples through its Dual Career Program and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches (website: http://www.unyherc.org/home/index.cfm/site_id=671).

Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator. Cornell University embraces diversity and seeks candidates who will create a climate that attracts students of all races, nationalities, and genders. Women, underrepresented minorities, and people with disabilities are strongly encouraged to apply.

LECTURER IN BIOLOGICAL SCIENCES

The University of Chicago Biological Sciences Collegiate Division

The Biological Sciences Collegiate Division at the University of Chicago invites applications for a non-tenure-track three-quarter Lectureship in molecular/developmental biology beginning in the winter of 2011. The Lecturer is expected to co-direct the fall and winter laboratory courses for Biology majors and develop a new module for Core Biology for non-majors in the spring quarter. Applicants must have received a Ph.D. in Biology or related subdisciplines, have at least three years of postdoctoral research experience and must document interest and proficiency in undergraduate teaching. The appointment will be for three years and is renewable. To apply visit website: https://academiccareers.uchicago.edu, select requisition #00608, and upload your cover letter, curriculum vitae, teaching statement, research statement, and provide contact information for your three reference providers. Your application and supporting materials must be uploaded by December 13, 2010.

The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

For full details, go to ScienceCareers.org and click for Employers, or call one of our representatives.

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Postdoctoral Positions in Synaptic Molecular Mechanisms and Optogenetic Circuit Analysis

The Center for Functional Connectomics (CFC) is recruiting postdoctoral fellows worldwide to join our dynamic new research group. The CFC is located at the Korea Institute of Science and Technology (KIST) and consists of a number of outstanding laboratories focused on the following research areas:

**Molecular mechanisms of synaptic transmission**
- **George Augustine** (georgea@neuro.duke.edu) – exocytosis and endocytosis in presynaptic terminals; gene expression changes during long-term synaptic plasticity
- **Jinny Kim** (kimj@janelia.hhmi.org) – local protein synthesis; ion channel trafficking in dendrites
- **Eunmi Hwang** (emhwang@kist.re.kr) and **Jae-Yong Park** (jaeyong@gsnu.ac.kr) – ion channel regulation and trafficking in neurons and astrocytes
- **Justin Lee** (cj@kist.re.kr) – neuron-glial signaling mechanisms
- **Mikyoung Park** (mkpark3@stanford.edu) – synaptic elimination during synaptic plasticity
- **Keiko Tanaka** (keiko@kist.re.kr) – signaling during long-term synaptic plasticity

**Optogenetic analysis of brain circuitry**
- **George Augustine** – high-throughput connectome mapping
- **Larry Cohen** (lawrence.cohen@yale.edu) – development of optogenetic voltage-sensor proteins; imaging circuit activity in the olfactory system
- **Hommie Hellinger** (hwh@biochem.duke.edu) – protein design; optogenetic probe engineering
- **Jinny Kim** – mapping brain circuitry with GRASP technology
- **Justin Lee** – optogenetic mapping of neuron-glial signaling pathways
- **Sebastien Royer** (royers@janelia.hhmi.org) – silico probes; optogenetic studies of hippocampal place cell circuitry

In addition, the CFC includes a network of secondary faculty and collaborators who also will serve as excellent postdoctoral mentors; see our website [http://cfc.wci.re.kr/english/portal.php](http://cfc.wci.re.kr/english/portal.php).

Beyond exciting research projects and excellent mentors, the CFC offers our postdocs a number of other benefits:
- stimulating and highly interactive scientific environment
- state-of-the-art research facilities
- strong and secure funding through the World Class Institute program, which recruits foreign scientists to enrich the scientific environment of Korea
- high pay (NIH scale)
- free housing
- living in Seoul, one of the world’s largest and most exciting cities

Candidates should have a PhD or MD degree (or should be planning to graduate soon) and should be comfortable speaking English, the primary language of the CFC. Applicants should send their curriculum vitae and a list of potential referees via e-mail, either directly to the relevant faculty member or to the CFC (cfc@kist.re.kr).
For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using human genetic information to develop novel medicines for serious and life-threatening diseases. Now a member of the Roche Group, Genentech has multiple therapies on the market for cancer and other serious illnesses.

Genentech’s Research and Early Development (gRED) department operates as an independent center within the Roche Group and is home to the largest single-site biotech research facility in the world. gRED explicitly fosters individual creativity and initiative among its researchers, encouraging scientists to pursue projects of interest in addition to working toward the company’s goals. As a result, our more than 1,100 scientists and researchers and 125 postdocs have consistently published important papers in prestigious peer-reviewed journals and are among the top researchers in the world in terms of total citations. gRED combines the best of the academic and corporate worlds, allowing researchers not only to pursue important scientific questions, but also to watch an idea move from the laboratory into clinical development.

We invite candidates for the following opportunities in our South San Francisco, CA, headquarters:

**Scientists** – Requisition #1000034748  
**Senior Research Associates** – Requisition #1000034264  
**Research Associates** – Requisition #1000034394

Consistently recognized as one of the top companies to work for in the United States, Genentech is dedicated to remaining a great place to work and to providing employees with programs, services and benefits that allow them to bring the best to the business and to their personal lives. For a complete job description and to learn more about our current opportunities, please visit [careers.gene.com](http://careers.gene.com) and reference the Requisition #. Use “Ad-Science” when a source is requested. Genentech is an equal opportunity employer.

What does “Life Inspired” mean to you?

“Diseases of the brain such as Alzheimer’s disease and schizophrenia cause immeasurable suffering to countless people throughout the world. Effective treatments can only be discovered by excellent innovative science. For me, “Life Inspired” represents the dedicated scientists at Genentech who come to work every day eager to apply their expertise, creativity and team spirit to making a difference for patients.”

Morgan Sheng, Ph.D.  
Vice President, Neuroscience  
Two years with Genentech
Understanding the brain

Centre for Computational Neuroscience and Cognitive Robotics

A new Centre for Computational Neuroscience and Cognitive Robotics (CN-CR, www.psychology.bham.ac.uk/cncr) has been launched, with a multimillion pound investment. The Centre combines research on human cognition, sensory and motor systems, and computational modeling with research on robotic systems leading towards a better understanding of both brain function and advanced robotics. The research will also be translated into innovative treatments for brain injuries and those with degenerative or developmental neurological disorders.

Chair in Computational Neuroscience (1 or 2 posts)
Competitive package for an outstanding candidate.
(Ref: 38207)

You should have an international research record and be making a cutting-edge contribution to the field.

Senior Lectureships or Lectureships in Computational Neuroscience (2 posts)
Salary from £45,155 to £68,302 a year or from £36,715 to £49,342 a year (Ref: 47252)

You will have a growing reputation in the field, a strong publication record and the potential to become a world leader.

Informal enquiries: Professor Glyn Humphreys (0121 414 4930; g.w.humphreys@bham.ac.uk), Professor Chris Miall, Head of School of Psychology (0121 414 2867; r.c.miall@bham.ac.uk) and/or Dr Jeremy Wyatt, School of Computer Science (0121 414 4788; j.i.wyatt@bham.ac.uk)

To download the details and submit an electronic application online visit: www.hr.bham.ac.uk/jobs

Closing date for all posts: 10 December 2010

www.hr.bham.ac.uk/jobs

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TUFS UNIVERSITY

School of Medicine

Faculty Positions in Neuroscience

The Department of Neuroscience (www.neurosci.tufts.edu) at Tufts University School of Medicine is expanding by adding tenure-track faculty positions. Positions are available at Assistant, Associate and Full Professor levels. The department will build on its core strengths and focus on the study of synapses, disorders of the nervous system and neuron-glial interactions. We are particularly interested in building on our research that is relevant to epilepsy, depression, neurodegenerative disorders and the neurobiology of obesity. We are seeking candidates who use innovative approaches to investigate problems that cross levels of investigation from molecular and cellular to systems and/or behavioral neuroscience. Candidates using molecular, genetic, electrophysiological and/or imaging methodologies to study neurons, synapses and networks are particularly encouraged to apply. We offer generous startup packages, newly renovated laboratory space and a highly collaborative environment offering opportunities for both basic and translational research.

Applicants should hold a Ph.D. and/or M.D. degree and have several years of productive postdoctoral experience. Successful candidates will be expected to develop thriving, well-funded research programs and to contribute to graduate and medical education. Please submit electronic applications including a CV, a statement of research interests and the names and e-mail addresses of at least three references to: neurosci-facultyrecruitment@tufts.edu.

TUSM is an Equal Opportunity Affirmative Action Employer. Women and minorities are encouraged to apply.

PhD and Postdoctoral Positions
Neural Circuits and Behavior

The Research Institute of Molecular Pathology (IMP) has recently expanded its neuroscience research community to establish a strong interdisciplinary focus on the functional analysis of neural circuits underlying innate and learned behaviors in genetic model organisms. Positions for PhD students and postdoctoral researchers are now available in the following groups:

- Barry Dickson - Mating and other behaviors in Drosophila
- Wulf Haubensak - Fear circuits in mice
- David Keays - Molecular and cellular basis of magnetoreception
- Krystyna Keleman - Courtship learning in Drosophila
- Simon Rumpel - Auditory processing and memory in mice
- Andrew Straw - Visual guidance of Drosophila
- Alipasha Vaziri - Advanced optogenetic technologies
- Manuel Zimmer - Olfactory behaviors in C. elegans

For further details on the research activities and open positions in each group, contact the respective group leader. Applicants should be passionately committed to understanding brain functions and have a strong background in any relevant field, including neuroscience, molecular and cell biology, genetics, computer science, physics, engineering, and/or mathematics. PhD students will take part in the VBC international PhD program, which has its next deadlines for applications on November 15, 2010 and April 30, 2011. See: www.imp.ac.at/neuroscience for more information.
PFIZER POSTDOCTORAL PROGRAM IN NEUROSCIENCE

The Pfizer Neuroscience Research Unit announces the creation of the Pfizer Neuroscience Postdoctoral Fellowship Program. Based in Groton, Connecticut, the Pfizer Neuroscience Fellowship Program provides an unparalleled opportunity for young scientists interested in understanding brain disorders and translating knowledge into innovative medicines. We seek motivated and enthusiastic individuals with a demonstrated track record in basic or translational neuroscience interested in pursuing an academic-style post-doc in an industry setting. Successful candidates will come from a range of backgrounds including molecular/cellular biology, protein biochemistry, in vitro and in vivo electrophysiology, imaging, neurochemistry, systems neuroscience, computational biology, animal models of disease, synapse biology and behavioral/cognitive neuroscience.

Postdoctoral positions are available in the following disease areas:

- Alzheimer’s disease
- Autism
- Bipolar Disorder
- Parkinson’s disease
- Schizophrenia

Postdoctoral fellows will gain access to the resources, experience and collaborative industrial-academic network available within the Neuroscience Research Unit, conduct independent research, publish high profile papers on cutting edge areas of neuroscience, and attend and present at international scientific meetings. At the same time, postdoctoral fellows will contribute to Pfizer’s commitment to deliver new innovative medicines that effectively treat neurological and psychiatric diseases.

Interested candidates can explore and apply for these competitive positions at www.PfizerNeuroscience.com.

Applications are received and reviewed in the spring and fall. The deadline for spring applications is April 1st and for fall applications is October 1st. Fellowships are extremely competitive. We anticipate inviting a small number of candidates to interview in May and November at the Pfizer Groton Research Laboratories.

We are proud to be an equal opportunity employer and welcome applications from people with different experiences, backgrounds and ethnic origins.
Professors of Neuroscience - Imaging

Texas Tech University and the Texas Tech University Health Sciences Center have collaborated to expand research in neuroscience with an emphasis on multidisciplinary research. Two full professor positions are available and will be based at Texas Tech University Health Sciences Center. A new 4,000 sf core facility with a Siemens 3-T MRI with functional and diffusion tensor capabilities and 4,000 sf of support offices and laboratories is available. The footprint includes space for 2 additional fully capable MRIs in the core facility. Candidates will be in any Biological Science or Engineering department including but not limited to Electrical Engineering, Biological Sciences, Psychology, and Human Development and Family Studies. Support from other core facilities is available in biotechnology, genomics and high performance computing. Both of these positions are intended to add critical mass to our new Neuroimaging Institute and successful applicants will be expected to work with current faculty to grow this institute. A separate search will be initiated to find a director for this institute. We are particularly interested in building on our strengths in neural and behavioral biology including but not limited to drug and alcohol addiction, autism, aging, and brain development. Other research areas of functional imaging outside of neuroscience may be considered.

Applicants will be expected to have significant competitive grant funding and a clear record of scholarship, research productivity, mentoring, team building, outreach, and teaching. Multidisciplinary research across academic departments is encouraged. Graduate advising and teaching is expected in areas of interest to the faculty. Service to the institutions and the profession are important aspects of a successful applicant. Level of academic appointment is open to all ranks, but preference will be given to individuals who qualify for full professor or already are at that rank.

Screening will begin upon the receipt of applications and will continue until both positions are filled. Applicants must submit a letter of interest expressing their vision for research contributions and graduate education goals, a complete resume/CV, the names of five references who may be contacted to provide a professional assessment of research and graduate education capabilities, and start-up requirements. These should be submitted electronically to http://jobs.texastech.edu; search postings for requisition 82516. Questions about the Neuroscience-Imaging positions should be directed to: Taylor Eighmy, Ph.D., Vice President for Research, Texas Tech University, Box 41075, Lubbock, Texas 79409-1075; taylor.eighmy@ttu.edu; 806.742.3905.

An Affirmative Action/Equal Opportunity/Americans with Disabilities Employer.

FACULTY POSITION
NEUROSCIENCE

The Center for Neural Development and Disease at the University of Rochester School of Medicine and Dentistry invites applications for a tenure-track faculty position at the Assistant, Associate, or Full Professor level. Candidates studying nervous system development and function using genetic approaches in vertebrate or invertebrate model systems are particularly encouraged to apply. Though not a prerequisite, a record of success in obtaining extramural research support is an asset.

The Center for Neural Development and Disease is a dynamic, interdepartmental group of investigators whose research spans a broad area of molecular and cellular neuroscience. Members of the Center hold faculty appointments in a variety of basic science and clinical departments, including Neurology and Biomedical Genetics, allowing multiple opportunities for interaction and collaboration.

Interested candidates should submit a cover letter, CV, and statement of research interests to endosearch@urmc.rochester.edu. Please also arrange for three letters of reference to be sent to this address. Review of applications will begin immediately.

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

Call for Nominations
8th Annual Edward M. Scolnick Prize in Neuroscience

The Edward M. Scolnick Prize in Neuroscience recognizes an outstanding discovery or significant advance in the field of neuroscience. The Prize consists of US $60,000. The recipient presents a public lecture at MIT, hosted by the McGovern Institute.

Nominating Procedures: Self-nomination is not allowed. Candidates for the award are to be nominated by individuals affiliated with universities, hospitals, medical schools, and research institutes with a background in neuroscience. Each nomination should include a) a biosketch or CV of the nominee, and b) a letter of nomination (which includes a summary and analysis of the major contributions of the nominee to the field of neuroscience). Up to two representative reprints will be accepted. The winner must be able to attend all events to be awarded the prize.

Deadline: The nomination and supporting documentation must be received no later than November 30, 2010. Members of the selection committee and faculty affiliated with MIT are not eligible. Announcement of the award recipient will be made in February 2011.

Previous Winners: 2010: Drs. Lily and Yuh-Nung Jan, University of California, San Francisco; 2009: Dr. Jeremy Nathans, Johns Hopkins University; 2008: Dr. Michael Davis, Emory University School of Medicine, Atlanta; 2007: Dr. David Julius, University of California, San Francisco; 2006: Dr. Michael E. Greenberg, Children’s Hospital/Harvard Medical School; 2005: Dr. Judith L. Rapoport, National Institute of Mental Health/NIMH; 2004: Dr. Masakazu Konishi, California Institute of Technology.

The McGovern Institute for Brain Research at MIT conducts integrated research in neuroscience, molecular neurobiology, cognitive science, computation, and related areas.

Nominations

Please send nomination and supporting documents to:
Committee Chair, Edward M. Scolnick Prize in Neuroscience
McGovern Institute, MIT, 46-3160
77 Massachusetts Avenue
Cambridge, MA 02139
E-mail: mcgovern@mit.edu

For more information: http://mcgovern.mit.edu

Miami University

PHYSIOLOGY/NEUROSCIENCE

Miami University is seeking to fill a tenure-track assistant professor position in an area that will complement research activities of the faculty. The successful applicant will be expected to maintain an active research program, acquire extramural funding, supervise student research, and participate in teaching graduate and undergraduate courses. In addition, s/he will participate in the new interdepartmental Cellular, Molecular, and Structural Biology PhD program as well as interdisciplinary minors in neuroscience and/or molecular biology. The University has state-of-the-art facilities for using molecular, cellular and whole organism techniques and offers competitive start-up funds. The Department has 32 faculty, over 60 PhD/MS students, and approximately 1,000 majors (http://zoology.muohio.edu/). Miami University (enrollment 24,000) is rated nationally as a highly selective public university.

Send letter of application, curriculum vitae, statements of teaching and research interests, and three letters of recommendation to: Dr. Paul James, Search Committee Chair, Department of Zoology, 212 Pearson Hall, Miami University, Oxford, OH 45056. Review of applications will begin on 7 December 2010 and continue until the position is filled. PhD required. Telephone 513-529-3100 or e-mail biosearch@muohio.edu for more information. For information regarding campus crime and safety, visit www.muohio.edu/righttoknow. Hard copy upon request.

Miami University is an EOE/AA Employer with smoke-free campuses.
Metabolon is a diagnostics and services company offering the industry’s leading biochemical profiling platform. We currently work with over 200 clients in the areas of pharmaceutical and biotechnology, nutrition, agriculture, bioprocessing and academic research. As part of Metabolon’s expanding diagnostic and clinical testing business, Metabolon seeks an outstanding individual for the position of Senior Biostatistician. This person will be responsible for the identification of biomarkers from diagnostic metabolomic research studies, development of various statistical models and methods for analysis of metabolomic’s data, and the development of any multivariate algorithms required for clinical tests. The ideal candidate will have experience with multivariate statistical modeling (genomics, proteomics or metabolomics data) and a proven track record of success as demonstrated from scientific peer-reviewed publications. The person selected for this position will work collaboratively with internal and external scientists on projects that lead to journal publications, presentations, and internal project progression reports. Ph.D. required. Interested applicants should send a letter of interest and CV to careers@metabolon.com.

Metabolon, Inc. is an Equal Opportunity Employer.

http://www.metabolon.com

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Sanford-Burnham is a unique research environment that enjoys a culture of collaboration, a focus on new technologies and an emphasis on translating our basic research discoveries to improve human health.

SanfordBurnham
Graduate School of Biomedical Sciences
http://www.sanfordburnham.org/gradschool.aspx

Sanford Burnham Medical Research Institute is located on the Torrey Pines Mesa on the San Diego coast.

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Renal/Cardiac Research Faculty Positions

Two ASSISTANT/ASSOCIATE PROFESSOR level positions are open in the Hypertension and Vascular Research Division of Henry Ford Hospital to complement strengths in renal/cardiac cell and molecular biology and integrative physiology. Appointments will be in the Department of Internal Medicine at Henry Ford Hospital, Detroit, MI an affiliate of the Wayne State University School of Medicine with secondary appointments in basic science departments in the School of Medicine possible. The division’s 8 basic scientists bring in more than $6 million in grant support annually (http://www.henryford.com/hypertensionresearch). Successful applicants will develop and maintain robust, NIH-funded research programs. Minimum requirements are a Ph.D. or M.D., 3 years of postdoctoral experience, and a strong publication record. Salaries will be commensurate with experience. Positions come with generous startup packages and benefits.

To apply submit: a current CV; contact information for 4 references; and a 1-page description of research interests via e-mail in PDF format to: Emmett Bowen at ebowen1@hfhs.org. Positions will remain open until filled.

Henry Ford Hospital is an Equal Opportunity Employer.

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Neuroscience Faculty Positions

The Stanford Institute for Neuro-Innovation and Translational Neurosciences (SINTN) is searching for three neuroscientist positions focused on a variety of areas, including the following:

- Investigation of the neural circuitry, molecular mechanisms and/or cellular physiology underlying movement disorders, including Parkinson’s disease
- Neuroregeneration
- Neural mechanisms common to pain, addiction, or their intersection

The successful candidate(s) will be appointed at either the Assistant or Associate professor level in the University Tenure Line (UTL). The predominant criterion for appointment in the University Tenure Line is a major commitment to research and teaching.

Primary and secondary departmental affiliations are flexible and will be tailored for the successful candidate(s).

Please submit a curriculum vitae, statement of research interests and 3 reference letters by December 15, 2010 to: Gary K. Steinberg, MD, PhD, Bernard and Ronni Lacroute-William Randolph Hearst, Professor of Neurosurgery and the Neurosciences, Director, SINTN, Chairman, Department of Neurosurgery, Stanford University School of Medicine, c/o Kristy Verhines, SINTN, 265 Campus Drive, G1078B, Stanford, CA 94305.

Please send an electronic copy of the cover letter and curriculum vitae to sintnjobs@stanford.edu.

Stanford University is an Equal Opportunity Employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women and members of minority groups, as well as others who would bring additional dimensions to the university’s research and teaching missions.
Department of Health and Human Services
National Institutes of Health

Clinical Director
National Institute of Arthritis and Musculoskeletal and Skin Diseases

The Intramural Research Program of the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) is seeking a physician-scientist to serve as Clinical Director. This individual will direct the NIAMS Program in Translational Research, which includes training and clinical care branches as well as multiple investigative laboratories and branches. Investigators in the Clinical Program conduct studies in natural history and treatment as well as basic investigations into the etiology and/or pathophysiology of disease. The candidate should have the ability to manage this diverse clinical research enterprise and to provide the leadership to maintain the outstanding track record of the NIAMS Clinical Program. The ideal candidate for this position is an M.D. or M.D.-Ph.D. who is board-certified or board-eligible in either Pediatrics, Internal Medicine and Rheumatology or Allergy/Immunology. Potential areas of concentration would include rheumatoid arthritis, systemic lupus erythematosus, ankylosing spondylitis, vasculitis, scleroderma, myositis, osteoarthritis, or other inflammatory/rheumatic diseases. The candidate should have experience in conducting clinical or translational research and in immunology, cell biology, genetics, or other areas of research relevant to rheumatic or autoimmune disease. The candidate will also be provided generous independent resources to develop his/her own clinical or translational research program as a tenured investigator within NIAMS.

The NIAMS Clinical Program is part of the NIH Intramural Research Program, located in Bethesda, Maryland. Investigators in this program have full privileges to admit their research subjects, free of charge to the patient, to the new Mark O. Hatfield Clinical Research Center, a state-of-the-art 230-bed hospital fully devoted to clinical and translational studies. Ample resources will be provided to the successful applicant to establish a first-rate Clinical Program and their own research program in his or her area of concentration. The NIAMS Intramural Research Program, headed by its Scientific Director, Dr. John O’Shea, comprises several outstanding programs in cytokine biology, signaling, genetics, and structural biology, and the broader NIH Bethesda campus provides a rich and highly interactive environment within a wide range of basic and translational research disciplines that relate directly to rheumatology.

Salary will be commensurate with experience. A full package of benefits, including retirement, health, life, and long-term care insurance, and a Thrift Savings Plan, is available. Qualified international applicants who have passed the ECFMG or USMLE examinations or have comparable qualifications are welcome to apply.

Interested applicants should send a curriculum vitae, a one-page summary of research interests, and the names of three referees to Ms. Linda Peterson, 31 Center Drive, MSC 2350, Building 31, Room 4C12, Bethesda, MD 20892-2350, e-mail petersonl@arb.niams.nih.gov. If you need additional information, please call Dr. John O’Shea at 301-496-2612. Review of applications will begin on or about January 3, 2011, but applications will be accepted until the position is filled.

Help Us Help Millions

Division of Intramural Research
Laboratory of Molecular Immunology

Postdoctoral positions are available in the Inflammation Biology Section of the Laboratory of Molecular Immunology, NIAID. The section uses the chemokine system to understand T-cell biology in humans and mouse models related to effector/memory cell function and differentiation, inflammation, host defense, and cancer. Principal current projects focus on characterizing long-lived populations of memory cells in humans, understanding pathways for the differentiation of human CD4+ T cells, investigating the roles for chemokines/chemokine receptors in models of Th17-type inflammatory disease and host defense, understanding chemokine receptor signaling in lymphocytes, and using chemokine receptors as targets of novel probes for in vivo imaging.

In consultation with the principal investigator, new members of the section will design independent projects related to these areas.

Application for these positions requires an interview. Contact Joshua M. Farber at jfarber@naiid.nih.gov. For more information about NIAID’s available training and career opportunities, visit www.niaid.nih.gov/careers/DLJ5.

National Institute of Allergy and Infectious Diseases

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health

National Institute of Allergy and Infectious Diseases
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The NIH is dedicated to building a diverse community in its training and employment programs.
Tenure/Tenure Track Investigator Position
Laboratory of Immunology

The Laboratory of Immunology (LI), Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, invites applications for a tenure/tenure-track investigator position in immunology. Applicants should have a Ph.D., M.D., or equivalent degree; an outstanding record of postdoctoral accomplishment; and an interest in any area of biomedical research related to immunology.

Specifically, we seek a highly creative individual who will establish an independent, world-class research program that takes full advantage of the special opportunities afforded by the stable, long-term funding of the intramural research program at NIH. Applicants should be interested in developing and applying novel approaches to the study of problems of major biological and/or medical importance, which could include a significant clinical or translational effort in addition to bench research. The successful candidate would have access to the NIH Clinical Center, a state-of-the-art research hospital on the NIH campus in Bethesda, MD, and would have ample opportunity to participate in the activities of the Center for Human Immunology and other trans-NIH initiatives involving technology development, translational investigation, and multidisciplinary science.

Generous ongoing support for salary, technical personnel, postdoctoral fellows, equipment, and research supplies will be provided. Available cores or collaborative facilities include flow cytometry, advanced optical imaging, microarray generation and analysis, high throughput sequencing, computational biology, production of transgenic and gene-manipulated mice, biosafety level (BSL)-3 facilities, chemical genomics, and support for projects involving RNAi screening. In addition to an outstanding, international postdoctoral community, a superior pool of graduate and undergraduate students is available to the successful applicant.

NIAID’s Laboratory of Immunology has a distinguished history of accomplishment in immunology. We strongly encourage application by outstanding investigators who can continue and enhance this record of achievement. Current LI investigators are Ronald Germain, Michael Lenardo, David Margulies, Stefan Muljo, William Paul, Ethan Shevach, and Tsan Xiao.

To apply, e-mail your curriculum vitae, bibliography, and an outline of a proposed research program (no more than two pages) in PDF format to Ms. Bao-Hanh Ngo at LIT-TTSearch@niaid.nih.gov. In addition, three letters of reference must be sent directly from the referee to Drs. Giorgio Trinchieri and Dan Kastner, Co-Chairs, NIAID Search Committee, c/o Ms. Bao-Hanh Ngo at LIT-TTSearch@niaid.nih.gov or 10 Center Drive, MSC 1356, Building 10, Room 4A22, Bethesda, MD 20892-1356. E-mail is preferred.

Applications will be reviewed starting December 13, 2010, and will be accepted until the position is filled. For further information about this position, contact Dr. William Paul at 301-496-5046 or wpaul@niaid.nih.gov.

A full package of benefits (including retirement and health, life, and long-term care insurance) is available. Women and minorities are especially encouraged to apply. U.S. citizenship is not required.

Further information on working at NIAID is available on our Web site at www.niaid.nih.gov/careers/LIS.
The Jagiellonian University in Krakow and the Max Planck Society announce a Max Planck Research Group in the area of

Molecular Plant Sciences (including plant-microbe interactions)

The group will be located at the Jagiellonian University in Krakow.

The successful candidate should be early in her/his scientific career. The candidate is expected to develop an internationally competitive research program. Ideally, the scientific activities would complement ongoing research at the University and at the host institute of the Max Planck Society.

Funding covers a start-up equipment package (500,000 Polish Zlotys which is an equivalent to approx 150,000 Euro) and necessary and adequate running costs. In addition, funding is provided for the position of the group leader at the level of an associate professor (employed at a Max Planck Institute to be determined and detached to the Jagiellonian University in Krakow) and further staff members (one post-doctoral fellow post or two graduate students, one Ph.D. student and one technician) to be employed at the Jagiellonian University in Krakow. The initial appointment of the group leader is for 5 years with the possibility of extension (2 x 2 years) after international review.

Applications should include a CV, a list of publications, a one-page summary of scientific achievements, a two-page research plan and two letters of recommendation. Deadline for application is December 16, 2010. Successful applicants should be prepared to join a selection symposium held on January 26+27, 2011 in Krakow, Poland.

For further information and detailed application instructions see http://www.mprg.mpg.de

The Max Planck Society in an equal opportunity employer, and is interested to raise the proportion of women in areas where they are underrepresented. Thus applications from female scientists are especially encouraged.
The University of Oulu in Northern Finland is an international, multidisciplinary research university with a rich pool of creative and intellectual talent. The Oulu Region is recognized as a world-class R&D hub with R&D input per capita among the highest globally. We promote advanced research in six faculties and more that 70 different specialist disciplines especially in our focus areas: Biosciences and Health – Environment, Natural Resources and Materials – Information Technology – Cultural Identity and Interaction.

We are now offering outstanding researchers with PhD’s **Investigator Start-up Packages** for five years

**Research Fellow start-up packages in**

1. Biosciences and Molecular Medicine in Biocenter Oulu (2 positions)
2. Experimental NMR Spectroscopy
3. Mathematical Analysis
4. Biomedical Engineering with focus on Multimodal Characterization and Modelling of Tissues and Organs
5. River Basin Research
6. Interdisciplinary and Transdisciplinary Research in Environmental Sciences
7. Sustainable Resource Management and Material Efficiency

9. Human Geography with a research theme Mobilities, borders and identity
10. The Northern Finland Birth Cohorts 1966 and 1986 Study

**Professorship in**

11. Education with a special emphasis on Learning and Interaction in Teacher Education

**In addition, we are looking for outstanding Post-Doctoral Researchers in**

12. Economic Geology and Petrology with a focus on the Petrogenesis of Platinum Deposits
14. Genes and Environment (2 positions)

More information on the positions and how to apply at [www.oulu.fi/english](http://www.oulu.fi/english)
CIFAR’s Junior Fellow Academy Announces New Fellowships

The Junior Fellow Academy of the Canadian Institute for Advanced Research is an elite fellowship program designed to build research and leadership capacity in gifted scholars at a critical early stage of career development. The Academy provides unique opportunities for personal and professional growth through close collaboration with and mentorship from some of the best researchers in Canada and around the world.

By participating both in an innovative CIFAR research program and the leadership-building Junior Fellow Academy, Junior Fellows learn to embrace CIFAR’s core values: to think broadly and imaginatively across disciplines and to collaborate on a deep level with colleagues. These valuable experiences are intended to profoundly impact a Junior Fellow’s future career path.

CIFAR Junior Fellowships are held in conjunction with a university appointment. Most typically, Junior Fellows work as postdoctoral fellows under the direct supervision of one or more CIFAR program members. Junior Fellow applicants in the social sciences and humanities may hold a junior faculty position.

Eligibility: The Academy is targeted to individuals who have completed or will complete their PhD within the three years prior to advertised Junior Fellowship starting dates and have demonstrated outstanding scholarship and research potential. Advertisements for Junior Fellowship positions currently available in various CIFAR research programs may specify additional eligibility requirements.

Duration: Two years.

Value: For postdoctoral fellows (per year):
- $70,000 CDN/US for salary and benefits
- $5,000 CDN/US for research support

For junior faculty members (per year):
- $50,000 CDN/US for research support
*US dollar values apply when positions are held outside of Canada.

How to Apply: Specific Junior Fellowship positions in several CIFAR programs, as well as application instructions, are now advertised at www.cifar.ca/JFA, with an application deadline of January 21, 2011. New positions and deadlines will be posted each fall and spring. Visit today for more information about CIFAR and its Junior Fellow Academy.

CIFAR is strongly committed to diversity within its community, and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups and others who may contribute to further diversification of ideas.

CIFAR’s Research Programs:
- Cosmology and Gravity; J. Richard Bond, Director
- Earth System Evolution; Jerry Mitrovica, Director
- Experience-based Brain and Biological Development; Tom Boyce and Marla Sokolowski, Directors
- Genetic Networks; Brenda Andrews, Director
- Institutions, Organizations and Growth; Elhanan Helpman, Director
- Integrated Microbial Biodiversity; Patrick Keeling, Director
- Nanoelectronics; Peter Grütter, Director
- Neural Computation and Adaptive Perception; Geoffrey Hinton, Director
- Quantum Information Processing; Raymond Laflamme, Director
- Quantum Materials; Louis Taillefer, Director
- Social Interactions, Identity and Well-Being; George Akerlof and John Helliwell, Directors
- Successful Societies; Peter A. Hall and Michèle Lamont, Directors

Tenure-Track Position
Graduate School of Nanoscience and Technology
KAIST (Korea Advanced Institute of Science and Technology)

The Graduate School of Nanoscience and Technology at KAIST invites applications for full-time, tenure-track or tenured faculty positions. The Graduate School of Nanoscience and Technology is a recently established department in the College of Natural Sciences at KAIST, specializing in the interdisciplinary research in the area where physics, chemistry, biology, materials science, and engineering come together. In particular, we are interested in the following three areas of nanoscience research: Bio-photonics, including imaging, sensing, and manipulation; Fabrication/synthesis/characterization of nanomaterials and structures; and theoretical/computational nanoscience research. However, qualified applications will be given equal consideration regardless of the proposed field of research.

Applicants must have a Ph.D., and some postdoctoral research experience is desirable. However, candidates from all fields, nationality, and ethnicity will be considered equally, and are encouraged to apply. The position is for a junior level professor, but senior level appointments are possible depending on qualifications.

Interested candidate should submit official application form (available at http://www.kaist.edu/english/02_faculty/01_recruit_02.php?pt=22) including publication list, research plan and teaching plan and at least three letters of recommendation to Prof. Jung H. Shin, Head, Graduate School of Nanoscience and Technology, KAIST, Daejeon, 305-701, Korea.

Applications completed by December 24, 2010, will be given full consideration, but the search will continue until the positions are filled.

If you have any further inquiry, please contact the Program Head at jhs@kaist.ac.kr.

FACULTY POSITION

The Department of Virology and Immunology at the Southwest Foundation for Biomedical Research in San Antonio, Texas, invites applications for a faculty-level position for the first Ewing Halsell Scholar. The appointment will be at the SCIENTIST level, this is equivalent to a full professor at a major research university. The Department has faculty with research programs focusing on hepatitis viruses, human and simian immunodeficiency viruses, and emerging viruses such as hemorrhagic fever viruses. Major strengths of the Foundation are the extensive nonhuman primate resources, which include macaques, marmosets, chimpanzees and baboons.

There is a strong pre and postdoctoral training program and a close association with the University of Texas Health Science Center at San Antonio, including a role in graduate education. All candidates must have as a minimum a doctoral degree in the biological sciences or an M.D. degree, and have completed at least two years of relevant postdoctoral research. Candidates must have demonstrated ability to direct an independent research program in animal virology and have been shown to be competitive for extramural support. Funding for this position comes from the Ewing Halsell Foundation.

All areas of virology will be considered but preferences will be given to emerging viral agents that require maximum containment and the use of nonhuman primates. The Department is particularly interested in a person with expertise in host-pathogen interactions with an innovative program in molecular pathogenesis or cellular immunology.

Please mail curriculum vitae, a description of research interest, and the contact details for three references to: Director of Human Resources, Southwest Foundation for Biomedical Research, P.O. Box 760549, San Antonio, Texas 78245-0549; www.SFBR.org.

EOE
The Graduate School at IST Austria invites applicants from all countries to its PhD program. IST Austria is a new institution located on the outskirts of Vienna dedicated to cutting-edge basic research in the natural sciences and related disciplines. The language at the Institute and the Graduate School is English.

The PhD program combines advanced coursework and research, with a focus on Biology, Computer Science, Neuroscience, and interdisciplinary areas. IST Austria offers internationally competitive PhD salaries supporting 4-5 years of study. Applicants must hold either a BS or MS degree or equivalent.

The Institute offers PhD students positions with the following faculty:
- Nick Barton  Evolutionary and Mathematical Biology
- Jonathan P. Bollback  Evolutionary Biology
- Tobias Bollenbach  Biophysics and Systems Biology
- Krishnendu Chatterjee  Game Theory and Software Systems Theory
- Sylvia Cremers  Evolutionary and Behavioral Biology
- Herbert Edelsbrunner  Algorithms, Geometry, and Topology
- Călin C. Guet  Systems and Synthetic Biology
- Carl-Philipp Heisenberg  Cell and Developmental Biology
- Thomas A. Henzinger  Software Systems Theory
- Peter Jonas  Neuroscience
- Christoph Lampert  Computer Vision and Machine Learning
- Michael Sixt  Cell Biology and Immunology
- Gašper Tkačik  Theoretical Biophysics and Neuroscience
- Chris Wojtan  Computer Graphics

Additional faculty members will be announced on the IST website www.ist.ac.at.

For further information contact, Associate Professor John Andrews
School of Aerospace, Mechanical and Manufacturing Engineering
Email john.andrews@ist.ac.at or phone 61 3 9925 6085
www.ist.ac.at/gradschool

For inquiries, please contact gradschool@ist.ac.at. For students wishing to enter the program in the fall of 2011, the deadline for applications is January 15, 2011.

IST Austria is committed to Equality and Diversity. Female students are encouraged to apply.
Faculty Position - Computational Biology

The Computational Biology Program and the Division of Public Health Sciences of the Fred Hutchinson Cancer Research Center invites applications for the position of Assistant or Associate Faculty Member (equivalent, respectively, to Assistant or Associate Professor at a university). This position will include a primary appointment in the Computational Biology Program and in the Division of Public Health Sciences, and possibly an appointment in Basic Sciences, Human Biology, Vaccine and Infectious Disease, or Clinical Divisions, depending on mutual interest.

The successful candidate will enter an active and dynamic research environment with many opportunities to collaborate with scientists across a diverse range of disciplines. We are seeking outstanding candidates with a strong research program that includes computational strategies, possibly in combination with their own laboratory investigation, to investigate important biological phenomena. All areas will be considered, but we are particularly interested in those relating to: genomics, infectious diseases, cancer biology, basic biology, and population sciences. The incumbent will be expected to conduct an active program of independent and collaborative research pertinent to the mission of the Center. For more information on the Computational Biology Program, please go to: http://compbio.fhcrc.org/.

An affiliate appointment at the Assistant or Associate professor level in a relevant department at the University of Washington is possible, depending on mutual interest. Applicants should have a PhD or equivalent degree. Faculty rank will be dependent on qualifications and experience. The Fred Hutchinson Cancer Research Center is a world-renowned research institution. The Center conducts research of the highest standards to improve prevention and treatment of cancer and other diseases related to human health.

The applicant review process begins as applications arrive, but any application received by December 1, 2010, will be guaranteed consideration for the position. Applications that arrive after that date will be considered as long as the position remains open. Please send applications including curriculum vitae, a letter describing research interests, and the names of four references by e-mail or mail to:

Martin McIntosh, Search Committee Chair
c/o Sara Zrinyi
Division of Public Health Sciences M1-C108
Fred Hutchinson Cancer Research Center
1100 Fairview Avenue North, PO Box 19024
Seattle, Washington 98109-1024
email: Sara Zrinyi (szrinyi@fhcrc.org)

The Fred Hutchinson Cancer Research Center and the University of Washington are Equal Opportunity Employers. Both institutions are building culturally diverse faculty and strongly encourage applications from female and minority candidates.
Outline: The International Institute for Carbon-Neutral Energy Research (I²CNER) is a member of the World Premier International Research Center Initiative established by the Japanese Ministry of Education, Culture, Science and Technology (MEXT). Faculty members and researchers associated with I²CNER are dedicated to the Institute’s mission to contribute to the creation of a sustainable and environmentally friendly society by advancing fundamental science to reduce CO₂ emissions and the realization of a hydrogen economy. The ITO Campus of the Kyushu University houses extensive state-of-the-art experimental and computational facilities.

Qualifications: The successful candidate will have experimental or computational expertise in the physics, chemistry, mechanics, and materials science aspects of:

- Hydrogen storage and embrittlement
- Next generation fuel cells for transportation
- Solar/chemical hydrogen production
- Thermophysical properties of hydrogen and CO₂
- Chemistry for efficient material transformation
- Basic science issues underlying CO₂ separation/concentration
- and geologic/oceanic capture and sequestration

Faculty members are expected to initiate and sustain vigorous research programs that both advance and are relevant to the mission of I²CNER. Candidates for faculty positions must have achieved national and international recognition for their research accomplishments. Post-doctoral research associates will join research groups relevant to their field of expertise and education.

Application process: Applicants must provide (1) cover letter; (2) curriculum vitae that details research experience and interests; (3) a list of publications; (4) the names and contact information of four references. All materials must be submitted in English.

Starting Date: As soon as possible after closing date

Salary: Commensurate with qualifications and experience

Application deadline: 17:00, December 24, 2010 (Japan Time); Interviews may take place prior to the closing date; however, no final decisions will be made until after this time.

Send inquiries to: wpi-office@i2cner.kyushu-u.ac.jp

Kyushu University is an Equal Opportunity/Affirmative Action Employer. The administration, faculty and staff embrace diversity and are committed to attracting qualified candidates who also embrace and value diversity and inclusivity.

The Lundbeck Foundation hereby invites applications for five fellowships which will be granted to especially promising young researchers and their research groups.

The fellowships are awarded for five years, and each fellowship amounts to DKK 10 mio. (approx. Euro 1,3 mio.).

The fellowships are intended for five researchers in their thirties who are qualified to establish or develop their own research groups within the health- or natural sciences. We envisage researchers who have received their Ph.D. degree within the last 5-7 years. The subject area should be frontline basic- or applied research within the scope of the Foundation’s grant strategy, as can be seen at www.lundbeckfonden.dk

The application should include an account of the project’s research plan, collaborators, budget and how the research group is envisioned to be placed within a Danish research institution. In addition, a curriculum vitae, a list of scientific publications and letters of recommendation are requested.

The application, written in English, should be sent via the Foundation’s Electronic Application System for Junior Group Leader Fellowships 2011 at www.lundbeckfonden.dk no later than December 15, 2010.

For further information please contact Anne-Marie Engel, Director of Research at the Lundbeck Foundation, phone: (+45) 39 12 80 17 or at mail@lundbeckfonden.dk

The Lundbeck Foundation is a commercial foundation with considerable shareholdings in the two listed companies H. Lundbeck A/S and ALK-Abelló A/S. Yields from the Foundation’s capital are used, among other things, to support scientific research primarily within the biomedical sciences but also the biologically oriented natural sciences as well as physics and chemistry. The Foundation grants approx. DKK 400 mio. (approx. Euro 50 mio.) annually to scientific research.

Lundbeckfonden
Vestagervej 17, DK-2900 Hellerup
Tel. +45 39 12 80 00
www.lundbeckfonden.dk
FACULTY POSITION in Biophysics/Structural Biology
Department of Biochemistry

As part of an ongoing programmatic initiative, the Department of Biochemistry at the University of California, Riverside invites applications for a new faculty position at the Assistant Professor level in the general area of biophysics, specifically including (but not limited to) structural biology (e.g., X-ray crystallography and biomolecular NMR). The successful candidate will be expected to develop a vigorous, independent, and innovative research program that is able to attract extramural funding, and also to contribute to the Department’s undergraduate and graduate teaching missions. The candidate will also be expected to interact with existing faculty on campus in the development of a vigorous graduate program in biophysics. The position is part of a continuing effort at UCR to expand structural biology and biophysics on campus, particularly in areas of biomedical relevance, and build on recent hires in these areas. A competitive startup package will be provided, with salary commensurate with education and experience. The position is available July 1, 2011. A Ph.D., M.D., or equivalent degree is required.

Interested individuals should send curriculum vitae, a brief statement of research interests, and arrange for at least three letters of reference to be sent to Chair, Biophysics and Structural Biology Search Committee, Department of Biochemistry, University of California, Riverside, CA 92521-0129. The University of California, Riverside is recognized as one of the Nation’s most ethnically and culturally diverse campuses, and applications from highly qualified women and underrepresented minorities are particularly encouraged. Electronic applications are encouraged (send to Biochemistryjobs@ucr.edu). Review of applications will begin November 30, 2010, and will continue until the position is filled. For additional information about the Department, visit (http://biochemistry.ucr.edu), and for the campus, visit http://www.ucr.edu.

The University of California is an Affirmative Action/EQUAL Opportunity Employer.
PICTURE YOURSELF AS A AAAS SCIENCE & TECHNOLOGY POLICY FELLOW

Make a Difference.
Help give science a greater voice in Washington, DC! Since 1973, AAAS Fellows have applied their skills to federal decision-making processes that affect people in the U.S. and around the world, while learning first-hand about the government and policymaking.

Join the Network.
Year-long fellowships are available in the U.S. Congress and federal agencies. Applicants must hold a PhD or equivalent doctoral-level degree in any behavioral/social, biological, computational/mathematical, earth, medical/health, or physical science, or any engineering discipline. Individuals with a master’s degree in engineering and three years of post-degree professional experience also may apply. Federal employees are not eligible and U.S. citizenship is required.

Apply.
The application deadline for the 2011-2012 AAAS Fellowships is 5 December 2010. Fellowships are awarded in the spring and begin in September. Stipends range from $74,000 to $97,000.

Note: Additional fellowships are available through approximately 30 scientific society partners. Individuals are encouraged to apply with AAAS as well as with any scientific societies for which they qualify.

Full details at: fellowships.aaas.org

Sharri Clark, PhD
Anthropology, Harvard University
Cherokee (Cherokee Nation of Oklahoma) and Choctaw
2008-10 AAAS Science & Technology Policy Fellow at the U.S. Department of State, Office of the Secretary, Office of the Coordinator for Counterterrorism
**FACULTY POSITION**

The Diabetes Center of Excellence at the University of Massachusetts Medical School invites applications for a SENIOR TENURED or JUNIOR TENURE-TRACK basic science or clinical investigator faculty position. The Diabetes Center of Excellence currently consists of basic and physician scientists representing a broad range of disciplines in the biomedical and clinical sciences, with members from several Medical School Departments and Programs working together as central New England’s leading center for diabetes clinical care, innovation, and discovery. The Center occupies state-of-the-art research space on an expanding Medical School campus, and benefits from being a continuously funded Diabetes-Endocrinology Research Center (DERC) for over 28 years. Basic investigators benefit from core facilities for deep sequencing, proteomics, genotyping, fluorescence-activated cell sorting, digital imaging/confocal microscopy, genomics/bioinformatics, transgenic/knockout mice, and mouse metabolic phenotyping. Clinical and community investigators benefit from infrastructure for recruitment and retention of research participants, measurement, behavioral and nutritional intervention resources and facilities, and academic-community research partnerships. Adult and pediatric clinical efforts of the Diabetes Center are housed in a new Ambulatory Clinical Care building designed so that patients can receive appropriate retinal photos, foot care, diabetes education, and other routine medical care at one location. The position will be highly competitive with regard to start-up funds, laboratory space and salary. The Center seeks an individual of outstanding research potential relating to diabetes pathophysiology or treatment.

Applicants should send curriculum vitae, statement of research interests, and names and addresses of three references to:

Dr. David M. Harlan
Co-Director, Diabetes Center of Excellence
Search Committee Chair
Patricia Cannon
55 Lake Avenue North
Ambulatory Care Building,
Room AC4.127
Worcester, MA 01655
Patricia.cannon@umassmed.edu
508.856.3800

As an Equal Opportunity and Affirmative Action Employer, UMMMS recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives, and backgrounds.

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**Computational Biology, University of Pennsylvania School of Medicine**

The Center for Bioinformatics at the University of Pennsylvania’s School of Medicine seeks candidates for several Full, Assistant, and/or Associate Professor positions in the tenure track. Rank will be commensurate with experience. The successful applicant will have experience in the field of bioinformatics. Responsibilities include research and teaching in bioinformatics and computational biology, and participation in the Genomics and Computational Biology graduate program. Applicants must have an M.D. and/or Ph.D degree and have demonstrated excellent qualifications in Research.

This recruitment is directed at individuals who specialize in bioinformatics. The search represents the combined effort of the Penn Center for Bioinformatics and the Institute for Computational Medicine and Therapeutics. Each faculty appointment will be in a School of Medicine department that is consistent with the scientific expertise of each successful candidate.

Departments for faculty appointment include:

**Genetics:** Seeking candidates in computational genomics, statistical genetics, population or evolutionary genetics, analysis of complex genetic diseases, and network biology.

**Microbiology:** Seeking candidates who study host-pathogen interactions utilizing large data-sets generated by deep-sequencing, whole genome RNAi screening, microarrays and multiparametric FACS assays.

**Pharmacology:** Seeking candidates in translational informatics, pharmacogenomics, network biology, bioinformatics, and associated disciplines.

**Biostatistics and Epidemiology:** Seeking candidates that develop novel statistical, probabilistic, and computational methods for analysis of large-scale genetic and genomic data.

**Medicine:** Seeking physician-scientist candidates who use computational approaches to medical genetics and/or translational medicine.

**Pathology and Laboratory Medicine:** Seeking candidates in the areas of computational medicine including image analysis and high throughput molecular data that are adaptable to the creation of new diagnostic modalities.

Apply for this position online at: [http://www.med.upenn.edu/apps/faculty_ad/index.php/p/d2447](http://www.med.upenn.edu/apps/faculty_ad/index.php/p/d2447)

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**Woods Hole Oceanographic Institution**

**Fellowships for Postdoctoral Scholars**

New or recent doctoral recipients with research interests associated with the following are encouraged to submit scholarship applications prior to Jan. 15, 2011.

**DEPARTMENTS** - Awards related to the following areas are anticipated: Applied Ocean Physics & Engineering; Biology: Geology & Geophysics; Marine Chemistry & Geochemistry; Physical Oceanography

**INSTITUTES** - Each of the following Institutes, which foster interdisciplinary research addressing critical issues, will award a scholarship to support related research: Ocean and Climate Change Institute; Coastal Ocean Institute; Deep Ocean Exploration Institute; Ocean Life Institute

The NOAA-WHOI Cooperative Institute for the North Atlantic Region (CINAR) will award a Fellowship in one of five theme areas: Ecosystem Forecasting, Ecosystem Monitoring, Ecosystem Management, Protection and Restoration of Resources, Sustained Ocean Observations and Climate Research. Awards are competitive, with primary emphasis placed on research promise. Scholarships are for 18-months with an annual stipend of $56,000, a modest research budget and eligibility for group health and dental insurance. Recipients are encouraged to pursue their own research interest in association with resident Scientific and Senior Technical Staff. Communication with potential WHOI advisors prior to submitting an application is encouraged.

Further information, application forms, and links to the Individual Departments, Institutes and Centers and their research themes may be obtained at: [http://www.whoi.edu/postdoctoral](http://www.whoi.edu/postdoctoral) or by contacting the Postdoctoral Fellowship Committee at: (508) 289-2950, or by postdoc@whoi.edu

**EOE/AAE**

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**Advanced Electron-Nuclear Magnetic Resonance Spectroscopies Faculty Position at Penn State University**

The Department of Biochemistry and Molecular Biology and the Department of Chemistry at The Pennsylvania State University jointly seek applicants for a tenure-track faculty position in the area of advanced electron-nuclear magnetic resonance (ENDOR, ESEEM, PELDOR, HYSCORE) spectroscopies and their applications to biological and chemical research problems. The successful candidate will evidence the abilities to establish a nationally and internationally recognized research program and to teach lecture and laboratory courses in the areas of biophysics and biochemistry at both the undergraduate and graduate levels. Evidence of past research accomplishments in the form of a strong publication record is considered essential. Preference will be given to candidates who demonstrate strength in theoretical and technical development of these methods in addition to their applications to important research problems. Candidates should send cover letter, curriculum vitae, list of publications, summary of research accomplishments, and statement of future research interests to Ms. Jean Brooks as PDF files to jobs@bmb.psu.edu. Please reference job number 33275-D on your cover letter and arrange for three letters of evaluation to be sent to the same address. Review of applications will begin on **November 10, 2010**, and will continue until the position is filled. Penn State is committed to Affirmative Action, Equal Opportunity and the diversity of its workforce.
UNDERGRADUATE
Science Research Scholarship Awards
- Scholarships up to $25,000
- A paid summer internship at a Merck facility with stipend totaling more than $5,000
- Mentoring and networking opportunities
- Eligibility: College juniors, science or engineering majors, 3.3 GPA

GRADUATE
Science Research Dissertation Fellowships
- Fellowships up to $53,500
- Mentoring and networking opportunities
- Eligibility: Ph.D. or equivalent degree candidates engaged in dissertation research in the biological, chemical or engineering fields

POSTDOCTORAL
Science Research Fellowships
- Fellowships up to $92,000
- Mentoring and networking opportunities
- Eligibility: Ph.D. or equivalent degree recipients in the biological or chemical research fields

APPLY ON-LINE
http://umsi.uncf.org
Submit by December 1, 2010
T 703 205 3400
F 703 205 3550
E uncfmerck@uncf.org

HARVARD UNIVERSITY
Assistant/Associate Professors
Department of Genetics
and Complex Diseases

The Department of Genetics and Complex Diseases (GCD) at the Harvard School of Public Health (HSPH) invites applications for tenure-track positions at the level of assistant professor. Exceptional associate professor candidates will also be considered. Successful applicants will hold a PhD and/or MD degree and will have a record of outstanding productivity. Individuals are sought particularly in the following areas to complement the existing research and training goals of the department: signal transduction related to energy and nutrient sensing pathways, regulation of metabolic homeostasis, inflammatory and stress response pathways related to chronic metabolic diseases and aging, cancer metabolism, and epigenetic regulation of metabolism. Individuals using systems and/or computational approaches applied at a mechanistic level to problems of metabolic homeostasis, gene-environment interactions and/or adaptive responses are also encouraged to apply. The candidate should possess the ability to work collaboratively with other scientists and the scholarly qualities required to mentor doctoral students in the graduate program in the Division of Biological Sciences. Generous startup packages and state-of-the-art research facilities are available.

Please send a letter of application, including a statement of current and future research interests, curriculum vitae, sample publications, and the names of four references to the following address. Applicants should ask their four references to write independently to this address.

Chair, GCD Search, c/o Holly Johnsen
Department of Genetics & Complex Diseases
Harvard School of Public Health
655 Huntington Avenue, Building II, 101
Boston, MA 02115
gcddept@hsph.harvard.edu

The Harvard School of Public Health is committed to increasing the representation of women and minorities in its faculty, and encourages applications from such candidates.
POSTDOCTORAL POSITIONS in Structural Biology

Harvard Medical School

Funded postdoctoral research positions are available immediately to work in the Molecular Medicine Laboratory and Macromolecular Crystallography Unit, at the Beth Israel Deaconess Medical Center, Harvard Medical School. Ongoing projects include the structural analysis of proteins and nucleoprotein complexes that play important roles in the pathogenesis of cancer, tuberculosis, Alzheimer’s disease, schizophrenia, drug abuse, and AIDS. (i) Position in Macromolecular Crystallography: experience in protein and/or nucleic acid X-ray crystallography using MIR and/or MAD techniques is required; (ii) Position in Protein Biochemistry: experience in protein expression and purification using bacterial and/or baculovirus expression systems is required; (iii) Position in Vitruvian and three reference letters to: Dr. John A.A. Ladias, Research North 325, 99 Brookline Avenue, Boston, MA 02215. E-mail: ladias@bidmc.harvard.edu. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF BIOLOGY—The Biology Department of Whitworth University invites applications for a tenure-track position as Assistant Professor of Biology with a primary focus on Environmental Biology, Field Biology, Wildlife Biology, and/or Conservation Biology. Earned Doctorate in an appropriate area of biology or environmental science by August 2011, and demonstrated teaching ability required. Go to website: http://www.whitworth.edu/jobs for further details and information on how to apply.

DEPARTMENT HEAD
Department of Biology
Utah State University

The College of Science at Utah State University seeks applications for the position of Head, Department of Biology. Applicants must have a Ph.D. or equivalent in the biological sciences, or a related field, and an excellent record of academic and leadership experience and research productivity at a teaching and research institution. The department has built a national reputation for collaborative and innovative research across the breadth of the life sciences and promotes effective learning and research opportunities for our students. Applicants should submit a curriculum vitae and a statement of leadership and management experiences and philosophy, and vision for the future of the department, as well as the names and e-mail addresses of three references on-line at website: http://jobs.usu.edu/cgibin/aapps/pa.cfm?form=PDAPP&QCPid=20543. Review of applications will begin January 21, 2011, and will continue until the position is filled. For further information, please visit our website: http://www.usu.edu/science.

NEUROBIOLOGIST

The Department of Biology invites applications for a molecular and cellular biologist with expertise in the mechanisms of neural diseases or neural development. The successful applicant will join a dynamic group of investigators in Biology and departments in VCU Life Sciences and on the medical campus of VCU who investigate fundamental disease and developmental processes in a variety of organisms. Primary research responsibilities will include related undergraduate and graduate courses. This is a nine-month, tenure-track position at the rank of ASSISTANT PROFESSOR. Anticipated start date is August 16, 2011, pending funding. The successful applicant will be expected to develop a productive, externally funded research program and direct graduate students through the Ph.D. level. Postdoctoral experience is expected and demonstrated evidence of excellence in scholarship and teaching is required. Candidates must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU. Competitive startup funds and excellent core facilities are available. Virginia Commonwealth University has an enrollment of 32,000 students, including over 1,600 undergraduate and nearly 100 graduate students in Biology. The Department of Biology (website: http://www.vcu.edu/bio) has 32 faculty members with diverse research interests in the following three areas of excellence: Cell Regulation, Evolution, and Ecological Processes and Applications. Additional research opportunities are available through the Center for Environmental Studies (website: http://www.vcu.edu/cesweb/) and at the Rice Center, VCU’s nearby field station on the James River (website: http://www.vcu.edu/rice/). Submit curriculum vitae, statements of research and teaching interests, and letters of reference by December 1, 2010 to: Stephanie Millican, Department of Biology, Virginia Commonwealth University, Richmond, VA 23284-2012. Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities and persons with disabilities are encouraged to apply.

ASSISTANT PROFESSOR

The Department of Environmental Science, Loyola University Chicago (LUC), seeks to fill a tenure-track Assistant Professor position, for academic year 2011–2012, pending approval of funding. The department collaborates with LUC’s Center for Urban Environmental Research and Policy the larger efforts of Loyola to facilitate environmental sustainability at LUC and in the local community.

Candidates must have a Ph.D. in the environmental sciences; research expertise linking science to policy, management, or economics; and proven ability to publish work that integrates disciplines. Ideal candidates will have taught at the University level, be able to secure external research funding, and involve students in research program. Teaching expectations include Environmental Sustainability, existing physical or life science courses for non-science majors, and a newly developed course that encourages students to facilitate environmental sustainability at LUC and in the local community.

To apply, submit curriculum vitae and a letter of interest addressing teaching philosophy and research agenda to website: http://www.careers.luc.edu, and arrange for electronic submission of three letters of recommendation in the manner described above. Applications should be received by December 15, 2010. Loyola University Chicago, Chicago’s Jesuit Catholic University, is an Equal Opportunity/Affirmative Action Employer with a strong commitment to diversifying its faculty. Applications from women and minority candidates are especially encouraged.
Terumo Life Science Foundation announces the establishment of the

Terumo International Prize
An academic award for biomaterials researchers –

In recent years, combined research in the fields of biomaterials and regenerative medicine is accelerating rapidly, and various efforts toward practical application are being made. The fusion of excellence in materials engineering, life science, and the related discipline of systems engineering is essential for this area. This Prize shall be awarded to outstanding researchers who have demonstrated unique, internationally renowned achievements in research, made significant contributions to the field of regenerative medicine particularly through novel biomaterials discovery, and continued to work in the forefront of research.

We hope that this Prize will be a great source of encouragement to researchers, resulting in the further evolution of research towards practical application and a brighter future for humankind.

Details of the Prize:
The Terumo International Prize shall be awarded to one outstanding researcher. The awardee will receive a certificate and a commemorative item as the main prize, together with a supplementary monetary prize of 10 million yen.

Application method:

An application in the form of a recommendation shall be filed. (No self-recommendation accepted)

Please fill out the application form and submit it to the Secretariat along with all the required documents. The application can be made online or by post. Please refer to the official Web site for more details.

Application period:
to December 24, 2010
Application by post must be postmarked on or before the above deadline. Online application will close at 5:00 PM (Japanese Standard Time) of the last day.
The University of North Carolina at Chapel Hill

The School of Medicine at the University of North Carolina at Chapel Hill seeks a dynamic investigator to provide effective academic and administrative leadership for the recently established Diabetes Center. The purpose of the center is to promote, facilitate, and coordinate research and training in diabetes across this highly collaborative campus with over $800 million in research funding. The position reports to the Dean of the School of Medicine.

Chapel Hill is a dynamic community located within the Research Triangle Park. The University of North Carolina at Chapel Hill is a research-intensive institution and is home to one of the nation’s leading diabetes treatment programs. The Diabetes Center will serve as the primary focal point for diabetes research and training at the University of North Carolina at Chapel Hill. The Center will be a critical component of the University of North Carolina at Chapel Hill’s broader mission to improve the health of its diverse population.

The successful candidate will be expected to establish a dynamic and high-impact research program and to be an active participant in the training and education of the next generation of diabetes researchers.

Applications should be submitted electronically at website: https://academicjobsonline.org/ajo/jobs/574.


The University of California, Irvine

Chemical Engineering and Materials Science

The Henry Samueli School of Engineering at the University of California, Irvine invites qualified applicants for a faculty position in the Department of Chemical Engineering and Materials Science. Candidates should have a Doctoral degree in Materials Science and Engineering, Chemical Engineering, or related discipline, demonstrated excellence in research, and a strong commitment to teach courses at undergraduate and graduate levels. Outstanding candidates that have pursued research programs that impact the areas of biomedical and bio-inspired materials are particularly encouraged to apply.

Broadly, this includes (but is not limited to) the development of emerging materials and interfaces between healthcare and nano-devices. Candidates should have a Doctoral degree in Materials Science and Engineering, Chemical Engineering, or related discipline, demonstrated excellence in research, and a strong commitment to teach courses at undergraduate and graduate levels. Outstanding candidates that have pursued research programs that impact the areas of biomedical and bio-inspired materials are particularly encouraged to apply.

The position will be at the ASSISTANT PROFESSOR level (tenure-track). Exceptional cases senior applicants will be considered. The successful candidate will be considered for a Samueli Faculty Career Development Professorship (junior level) or a Samueli endowed chair (senior level).

Please submit applications electronically at website: http://www.chem.uci.edu/employment/faculty.

Candidates should submit their curriculum vitae, a list of publications, descriptions of research plans and teaching interests, and three letters of recommendation. The position will remain open until the position is filled.

Applications are encouraged from all qualified candidates, including women, members of minority groups, people with disabilities, and others who will contribute to diversity in the academic community.

The University of California is an Equal Opportunity/Affirmative Action Employer.

Search Committee
Office of the Dean, School of Medicine
University of North Carolina at Chapel Hill
CB# 7000, 4060 Bondurant Hall
Chapel Hill, NC 27599-7000

Attn: Carol Ashby
E-mail: carol_ashby@med.unc.edu

UNC Chapel Hill is an Equal Opportunity Employer.

FACULTY POSITION
ASSISTANT PROFESSOR
Integrative Vertebrate Physiology
University of California, Riverside

The Department of Biology at the University of California, Riverside invites applications for an open-rank, 9-month academic position at the Assistant Professor rank beginning July 1, 2011. A Ph.D. in Physiology or a related field and at least one year of postdoctoral experience are required. The salary for this position is commensurate with the education and experience of the successful candidate. Applicants are expected to develop a strong and externally funded research program in functional biology of vertebrates, focusing on physiological mechanisms, integrative functioning of organ systems, biomechanics, and/or behavior. We seek a candidate who can bridge our existing departments in integrative and comparative physiology with campus-wide strengths in biomedical and applied physiology.

Opportunities include collaborations with a variety of campus research centers (website: http://www.cnas.ucr.edu/center/index.html), the emerging medical school, and the University of California’s Natural Reserve System. All faculty members teach at the undergraduate and graduate level, and may participate in one or more interdepartmental graduate programs. Applications should be submitted electronically at website: https://academicjobsonline.org/ajo/jobs/574.


The University of California is an Equal Opportunity/Affirmative Action Employer.