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**NEW YORK UNIVERSITY**

**FACULTY POSITIONS**

**Department of Biology**

**ARTS AND SCIENCE**

As part of a multi-year hiring plan, New York University’s Center for Genomics & Systems Biology in the Department of Biology invites applicants to apply for a faculty position (open rank) to begin September 1, 2013, or as negotiated, pending budgetary and administrative approval. We encourage applicants investigating fundamental biological mechanisms of systems at different scales, ranging from single molecules to communities, using experimental and/or computational approaches, to apply.

Candidates will be expected to have or develop active, externally funded research programs and to participate in the department’s teaching activities at both the undergraduate and graduate levels. The Department of Biology (http://biology.as.nyu.edu) offers an outstanding and collegial research environment. In addition, strong interactions exist with faculty with other divisions within NYU including, The Courant Institute of Mathematical Sciences and The Skirball Institute for Biomolecular Medicine.

Application packages will include a cover letter, research statement, teaching statement, curriculum vitae, and three letters of reference. Please apply online at the New York University Department of Biology website (http://biology.as.nyu.edu), via the “Employment” link. You may use the following address in the cover letter: Chair of the Biology Search Committee, Department of Biology, New York University, 1009 Silver Center, 100 Washington Square East, New York, NY 10003. Selection will begin November 15, 2012, and applications received before this date will be guaranteed full evaluation.

NYU is an Equal Opportunity/Affirmative Action Employer.

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**CHAIR, DEPARTMENT OF CELL BIOLOGY**

The UMDNJ-School of Osteopathic Medicine is seeking applications from distinguished academic scientists for the position of Chairperson of the Department of Cell Biology. Located in the greater Philadelphia area of southern New Jersey, the UMDNJ-School of Osteopathic Medicine has recently expanded its facilities and is continuing to develop its campus as part of the restructuring of public higher education in medicine and the health sciences in New Jersey. The Basic Science Departments emphasize molecular biology and cellular function and are housed in a modern, fully-equipped research building.

We are seeking candidates who have an outstanding record of research achievements and previous administrative experience, and who are dedicated to the development of high quality educational programs. The successful candidate will be expected to guide the expansion of extramurally funded research and work with the Department of Molecular Biology in joint research and graduate education programs. Present faculty research areas encompasses cell signaling, circadian rhythms, cardiovascular pathophysiology, vascular and leukocyte biology, micro RNAs, neurodegenerative diseases, ribosome biogenesis, stem cell biology and transcription mechanisms. The Department of Cell Biology participates in the instruction of both graduate and medical students. Appointment will be made at the Professor level with an anticipated start date by July 2013.

Letters of application, curriculum vitae, and the names, addresses and telephone numbers of four references should be submitted to: Carl E. Hock, Ph.D., Associate Dean for Research and Senior Associate Dean, Graduate School of Biomedical Sciences, Chair, Search Committee, c/o Mr. Joshua Lubin, Director of Operations, UMDNJ-School of Osteopathic Medicine, One Medical Center Drive, Academic Center 305, Stratford, NJ 08084 or email: lubinj@umdnj.edu. Electronic submissions are encouraged, although paper applications will also be accepted. Interested candidates are encouraged to apply by December 31, 2012. UMDNJ is an Affirmative Action/Equal Opportunity Employer. The Stratford campus is a tobacco-free workplace.
Neurodegenerative and Neuropsychiatric Disorders Research: A Cerebral Career Choice

As people live longer, the incidence of age-related diseases, such as Alzheimer’s disease (AD), will also increase. By 2050, the number of people living with AD is expected to triple in the United States alone, from 5.2 million up to 16 million. This potential for increased incidence of AD, as well as other neurodegenerative diseases such as Parkinson’s disease (PD) and amyotrophic lateral sclerosis (ALS), introduces a critical need for medical breakthroughs that prevent or slow the progression of these diseases. Likewise, neuropsychiatric disorders such as depression and schizophrenia contribute to a substantial proportion of disability among both younger and older individuals. As a result, the field of neuroscience holds a wealth of career opportunities for graduate students and postdoctoral scientists now and in the decades to come. By Emma Hitt

“T
he math is inescapable,” says Gregory Petsko, a researcher in neurodegenerative diseases and a professor of biochemistry and chemistry at Brandeis University, in Waltham, Massachusetts. “Unless we find a treatment for the prevention of the major neurodegenerative diseases—including Alzheimer’s, Parkinson’s, Lou Gehrig’s, and so forth—within the next 30 or 40 years, we’re cooked.” According to Petsko, the increasing problem is fueled by not only the extended lifespan of the population but also by the fact that people are having fewer children. These two factors, says Petsko, will recharacterize the population pyramid, such that diminishing numbers of younger people will be supporting an ever-increasing aging population, changing the pyramid into a column or even an inverted pyramid.

According to Michael Ehlers, chief scientific officer for Pfizer Neuroscience, neuroscience-related diseases are “arguably the most significant unmet medical need in the industrialized world.” As populations age, the burden of Alzheimer’s disease and other dementias grows and is on a trajectory to consume a large percentage of all medical dollars, he says. “Neuropsychiatric diseases represent the largest cause of lost productivity and economic burden—more than all cancers and cardiovascular disease combined—with depression alone being the number one cause of disability. Yet, we have had very few novel therapeutics in this area for many years,” he says. “As our knowledge of brain function explodes, there remains a major need to translate these findings into a meaningful understanding of human brain function in health and disease.”

ADDRESSING IMPORTANT NEEDS
A key need in the field, Petsko says, will be to train physician scientists to translate basic research findings into clinical practice. According to Petsko, the number of Ph.D.s that have been trained in the last 30 years has increased dramatically, but the number of physician scientists has decreased somewhat. He believes that physicians who complete their M.D. training should be encouraged to go into research rather than having to enter clinical practice immediately for financial reasons (i.e., to pay off school loans). “There’s nothing else we could do that would make more of an impact,” he says. He adds that clinicians who also perform research may be

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Neuroscience

J. Timothy Greenamyre

more likely than basic researchers to understand how diseases manifest in people. "They are focused on the idea of cures or treatments in a way that many basic researchers are not," he says. "We need to bring smart people who are broadly trained into the field."

J. Timothy Greenamyre, professor and vice-chair of neurology at the University of Pittsburgh Medical Center and director of the American Parkinson Disease Association Advanced Center for Parkinson’s Disease Research at the Pittsburgh Institute for Neurodegenerative Diseases, states that there is a need for students to receive formal training in topics such as “The Neurobiology of Human Disease,” in which they not only learn disease mechanisms, but also interact with individuals affected by these diseases to learn how the disease impacts patients and their families.

Regardless of whether trainees pursue careers in academics or industry, says Greenamyre, most would benefit from formal training in how basic laboratory findings are translated into diagnostics or therapeutics and from learning about topics such as the basics of patents and licenses, the procedures involved in conducting clinical trials, and the U.S. Food and Drug Administration approval process.

Along with adequate training of clinician scientists, research funding must also increase if sufficient headway is to be made in preventing and/or treating the looming increase of age-related disorders. According to Petsko, the total amount of money spent on Alzheimer’s disease research is only about $500 million per year, and is much less for other neurodegenerative disorders. By contrast, about $2.4 billion per year is spent on AIDS, which affects a much smaller number of people. “AIDS provides a very valuable lesson, in that it is no longer considered a ‘terrible’ disease, in part, because of advances in biomedical science,” he said. As the population ages, the same trend will hopefully take place in terms of increased funding in Alzheimer’s disease and other neurodegenerative disorders.

According to David Nutt, president of the British Neurologic Association and professor at Imperial College London, in the United Kingdom, research opportunities exist in all areas of brain disorder research, but less than 10 percent of research funds are spent on this field even though these disorders cause about 30 percent of all disabilities. He suggests that people in the field should lobby for their discipline.

SPECIFIC OPPORTUNITIES

A recent trend in academia has been for scientists to conduct increasingly collaborative research, and neuroscience-related research is no exception. Thus, graduate students and postdocs who focus on expanding their knowledge base and collaborating with others will create more opportunities for themselves. According to Greenamyre, the Pittsburgh Institute for Neurodegenerative Diseases was conceived and created to eliminate barriers that traditionally impede research on neurodegenerative (or any) disease. "As such, it is composed of about a dozen independent lab groups who share open lab space, and by virtue of both architecture and philosophy, there are no walls between lab groups," he says. Lab groups from neurology, neurosurgery, continued>

The Massachusetts Neuroscience Consortium—a Collaborative Model

An Interview with Susan Windham-Bannister, president and CEO of the Massachusetts Life Sciences Center

What do you hope to accomplish with the Massachusetts Neuroscience Consortium?

The Massachusetts Neuroscience Consortium is a pioneering new model for accelerating preclinical research, introducing academic researchers to the challenges of targeted research, and facilitating industry-academic partnerships. The pharmaceutical company sponsors will have facilitated access to all of Massachusetts academic and research institutions and will jointly fund projects that leverage the basic, translational, and clinical research expertise resident in the state—the world’s highest density of neuroscience expertise.

According to Congressman Chaka Fattah (D-PA), an advocate for neuroscience research, “This new consortium...is an exciting development for future advances in brain science and medicine. The consortium can provide us with the model for a major national partnership of government, the pharmaceutical industry, leading academic researchers, and medical schools.”

What are the major areas of need in this field in terms of research that you hope to address with the consortium’s efforts?

Neuroscience is a complex discipline in need of both novel therapeutic targets to treat neurological diseases as well as increased understanding of basic mechanisms of function. Significant breakthroughs still elude us in this field, and millions of patients and their families are waiting to hear that we have developed better treatments for diseases such as Alzheimer’s, multiple sclerosis, Parkinson’s, ALS, chronic pain, and others. Interest has also been expressed by consortium members in projects to address the mechanisms of aging, cognition, and synaptic plasticity. Final priorities will be set by the charter members of the consortium.

What opportunities will the consortium and other similar models present for students or postdocs considering a career in neurodegenerative disease research?

We see the Neuroscience Consortium as an opportunity for academic researchers—such as postdocs and graduate students—to build relationships with industry through funded projects and gain exposure to the industry style of research: short-term and results-oriented projects, industry standards for validation, and resources. These opportunities will help young researchers as they determine their next steps in their careers and will facilitate even more effective and productive collaboration between academia and industry.

Given the cost and time involved with the development of new therapies, collaboration is more vital than ever in life sciences research. Traditional approaches to research and drug development have seen a dramatic decline in the number of new therapies moving through the R&D pipelines to patients. Collaboration is essential to accelerating R&D to make a positive impact on curing human disease and improving patient outcomes, especially in complex areas such as neuroscience.
pharmacology, structural biology, and geriatrics all work together in the same space and on the same diseases.

Another recent effort for collaboration is the Massachusetts Neuroscience Consortium, which was initiated in June 2012. Their goal is to accelerate preclinical research, facilitate industry-academic partnerships, and create “a pioneering new model that is designed to leverage the rich research environment in Massachusetts,” says Susan Windham-Bannister, president and CEO of the Massachusetts Life Sciences Center. The consortium brings together seven major industry partners who are willing to collaborate to develop significant advances in major neurological disorders such as Alzheimer’s, Parkinson’s, multiple sclerosis, and neuropathic pain. The companies contributing to the consortium are Abbott, Biogen Idec, EMD Serono, Janssen Research & Development, Merck, Pfizer, and Sunovion Pharmaceuticals (see sidebar on page 144) for more information about this consortium.

For young scientists interested in translational neuroscience, pursuing research in the pharmaceutical industry is particularly rewarding and challenging, says Pfizer’s Ehlers, and “offers the real potential to make discoveries that make medicines.” His advice for young scientists is to think broadly and look outside of traditional career paths. “Training programs for graduate students and postdocs can be quite one-dimensional, exposing trainees to the academic world but little else,” he says. “There is a universe of scientific opportunities outside of the university.”

At Pfizer Neuroscience, Ehlers says, they look specifically for young scientists with a combination of strong quantitative skills and deep knowledge in a specific area, but also with a broad curiosity about all areas of biology. “We also look for people with strong communication skills and an ability to work well collaboratively in teams,” he says.

Graduate students and postdocs interested in a career in this field should also be on the alert for global opportunities, as these diseases will afflict any modernized nation where lifespans are long. In Europe, says Heinz Reichmann, president elect of the European Neurological Society, each country has its own funding sources, both from industry and government, and there are many foundations that support research in this area.

NEW TECHNOLOGIES PROVIDE HOPE

Neurodegenerative diseases are among the most difficult to understand and treat, says Doug Williams, executive vice president of research and development (R&D) at Biogen Idec, a company that focuses on neurodegenerative diseases, including multiple sclerosis, Alzheimer’s, and ALS. However, we are living in an era where new technologies such as genomic sequencing and advanced imaging will rapidly increase what we know about these diseases, he says. “By investing in translational medicine, including better neuroimaging and biomarker strategies, we will be able to make better decisions earlier in clinical development and improve the productivity of our R&D efforts.” This type of investment, he says, “will also enable us to identify which patients may be more likely to benefit from a particular therapy, to determine if a compound is having the intended biological effect on its target, and to detect the progression of a disease even in the absence of new symptoms.” Specific types of scientists who will be most sought after, says Williams, include computational biologists, cell biologists who understand modeling of human diseases, and stem cell biologists.

Jonathan Brotchie is founder and president of Atuka, Inc., a company with offices based in Canada, the United Kingdom, and China, that provides contract research and consultancy services for the biopharmaceutical industry, specifically to assist larger companies in developing novel therapeutics and diagnostics for Parkinson’s disease.

According to Brotchie, advances may be slowed down not so much by a lack of ideas about drug targets and new therapies, but rather by a lack of understanding of the technologies and methodologies required to develop and validate these ideas. “There is a need to develop better animal models, to recapitulate and predict effects of agents on the molecular pathology of the disease process, and also to develop better imaging and biomarker technologies to assess, as early and precisely as possible, drug effects in clinical studies,” he says.

According to Brotchie, job opportunities are likely to be plentiful at small companies that develop and use cutting-edge technology and capabilities. For example, a PET imaging company, Molecular Neuroimaging, in New Haven, Connecticut, which provides neuroimaging research services to the pharmaceutical and biotech industries, has sprung out of academia to support drug discovery in the field. “These approaches are not available within the pharmaceutical industry and are typically beyond the capabilities of academic groups,” Brotchie says. The picture is very different now than before, he adds, when industry and academia rarely overlapped, but now “convergence, overlap, and cross-fertilization are all part of the environment today for anyone who wants to define a career with a mix of both approaches,” he says.

The challenge now, says Biogen Idec’s Williams, is to go beyond marginal improvements to making transformational changes in how we think about and treat neurodegenerative diseases. “We believe we are at the cusp of a new era when these advances will be possible, but they will require persistence, collaboration, and passion,” he says.

Emma Hitt is a freelance medical and science writer residing in Marietta, Georgia.

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The University of Washington seeks candidates for the position of Director of the Washington National Primate Research Center. The Director is responsible for all aspects of the leadership and management of the WaNPRC. The Director is responsible for assuring that the day-to-day operations of the Center are conducted in compliance with all applicable regulations and rules of applicable regulatory agencies and of the University of Washington, and in accord with the mission, guidelines, and reporting requirements of the National Primate Research Center Program as defined by the National Institutes of Health Office of Research Infrastructure Programs.

The successful candidate will (1) possess a significant record of personal success as a scholar and administrator, (2) be the recipient of peer-reviewed biomedical research support, (3) meet the requirements for appointment to an academic department in the University, (4) have experience with, and value of, nonhuman primate research as a model for understanding human health, (5) have a thorough awareness of the national biomedical research environment.

Applicants are required to apply for the position through http://www.washington.edu/admin/hr/jobs/index.html, requisition #88569, where you will be asked to submit a letter of interest and complete an online assessment. Priority consideration will be given to those applications received by November 30, 2012.

Contact Information:
Director Search Coordinator, Center Program Operations, WaNPRC, Box 357330, University of Washington, Seattle, WA 98195-7330; Email: directorsearch@wanprc.org; Telephone Number: 206-543-0440; Fax Number: 206-616-6771; Primate Center website: www.wanprc.org.

The University of Washington is an Affirmative Action, Equal Opportunity Employer. The University is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, minorities, individuals with disabilities and covered veterans. All University of Washington faculty engage in teaching, research and service.

Virginia Tech

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College of Science

Neuroscience Faculty

As part of Virginia Tech’s expanding presence in emerging interdisciplinary programs and degrees in nanoscience, neuroscience, and computational science, the College of Science seeks to fill tenure-track or tenured faculty positions. These new faculty positions signify a continued University commitment to the importance of interdisciplinary science to help solve major societal challenges in energy, the environment, and health. The successful candidates will have the opportunity to participate in the recently launched College of Science Integrated Science Curriculum (www.science.vt.edu/isc) which has the mission of preparing students as leaders in cutting-edge interdisciplinary science and building strong research and educational partnerships across its eight departments: biological sciences, chemistry, economics, geosciences, mathematics, physics, psychology, and statistics.

Candidates with an emphasis on interdisciplinary research and teaching for a degree-granting program in neuroscience are particularly encouraged to apply. Applicants are expected to have a PhD degree, MD/PhD or DVM/PhD degree. The successful candidate will be expected to establish an internationally recognized research program and be an effective teacher in graduate and undergraduate courses, continue development of scholarly activities and professional capabilities, participate in department, college, and university governance, and pass a criminal background check. Occasional travel to attend professional conferences is required. The candidate will have an opportunity to work closely with other neuroscientists currently at the Virginia Tech Carilion Research Institute (VTCRI). The positions are likely to be at the Assistant Professor level, but outstanding senior candidates will be considered. Please visit www.science.vt.edu and click on the links under Faculty Openings. Consideration of applications will begin as early as December 1, 2012 and will continue until the positions are filled.

Virginia Tech is an AA/EEO Employer: applications from members of underrepresented groups are especially encouraged.

College of Science

Biological Sciences • Chemistry • Economics • Geosciences • Mathematics • Physics • Psychology • Statistics

The Department of Biology at Nevada seeks two NEUROBIOLOGISTS at the assistant professor level, tenure-track. We have two new neuroscience positions in the broad areas of neuron cell biology and neurophysiology. Particular interests are integrative approaches, from cellular levels to plasticity, neural systems, and behavior. Competitive startup funds include support from funded NIH INBRE and COBRE career development grants, and excellent support facilities. Our faculty are expected to maintain nationally recognized, extramurally funded research programs, to train PhD students, and to participate in undergraduate teaching. The Department has 1200 Biology and Neuroscience majors, 50 graduate students, 24 state-funded faculty, and averages $4 million/yr in extramural awards. Reno is located in the Sierra Nevada mountains near Lake Tahoe. Reno was recently rated one of the best small cities in the US for outdoor recreation and overall quality of life.

Go to https://www.uniresearch.com/postings/11531 to submit application materials, including an application letter, CV, research plans, teaching interests, and contact information for three references. Applications received by November 5, 2012 will receive full consideration.

Equal Employment Opportunity/Affirmative Action. Women and underrepresented groups are encouraged to apply.
The University of Kentucky College of Medicine invites applications for two tenure track appointments at the assistant professor level to begin on or after September 2013.

Key selection criteria will be research excellence, originality of science, future impact on the field of neuroscience and related disciplines, and leadership capabilities. Applicants must have an excellent record of research productivity and demonstrate the ability to develop a rigorous research program. We seek applicants pursuing research directions with significant conceptual, theoretical and/or empirical integration across traditional disciplinary boundaries. The successful candidate will join the Neuroscience Institute and may also join a department appropriate to the individual’s background and interests, with possibilities including (but not limited to) Psychology, Molecular Biology, Mathematics, Physics, Electrical Engineering and Computer Science. Applicants should be prepared to teach courses both at the undergraduate and graduate levels in neuroscience.

Please submit a curriculum vitae, a brief research description, and contact information for three references at http://jobs.princeton.edu, requisition #1200657. Applications will be considered on a rolling basis, and the search will remain open until the position is filled; screening of applications will begin October 31, 2012.

Princeton University is committed to the continued expansion and development of neuroscience on its campus. In addition to other outstanding resources, a newly constructed 230,000 square foot building will be opened in late summer 2013 housing state-of-the-art facilities for human brain imaging, cellular and circuit level imaging in non-human species, studies of non-human primates and computation modeling. These new facilities will support the continued growth of neuroscience at Princeton, including the three new positions described below.

Tenured Full Professor Position

The Princeton Neuroscience Institute invites applications for a tenured faculty position at the full or associate professor level, to begin on or after September 2013.

Key selection criteria will be research excellence, originality of science, future impact on the field of neuroscience and related disciplines, and leadership capabilities. Applicants must have an excellent record of research productivity and demonstrate the ability to develop a rigorous research program. We seek applicants pursuing research directions with significant conceptual, theoretical and/or empirical integration across traditional disciplinary boundaries. The successful candidate will join the Neuroscience Institute and may also join a department appropriate to the individual’s background and interests, with possibilities including (but not limited to) Psychology, Molecular Biology, Mathematics, Physics, Electrical Engineering and Computer Science. Applicants should be prepared to teach courses both at the undergraduate and graduate levels in neuroscience.

Please submit a curriculum vitae, a brief research description, and contact information for three references at http://jobs.princeton.edu, requisition #1200658. Applications will be considered on a rolling basis, and the search will remain open until the position is filled; screening of applications will begin October 31, 2012.
The Georgia Institute of Technology invites nominations and applications for Chair of the School of Earth and Atmospheric Sciences to begin in Fall 2013. We seek an outstanding leader and scientist with an earned doctorate in atmospheric, earth, or space science, or a related discipline. Applicants should be full professors who are strongly committed to interdisciplinary research, undergraduate and graduate education, faculty/staff development, and administrative excellence. Candidates should have demonstrated administrative ability, outstanding research, and the leadership skills to build superior research and education programs.

The School of Earth and Atmospheric Sciences at Georgia Tech is a dynamic and growing department with diverse research activities that focus on the geosphere, atmosphere, and biosphere. The school has 29 tenure track faculty and 17 senior research faculty. It offers M.S. and Ph.D. degrees and has a growing undergraduate program. We seek a chair who can provide leadership for this growth and leverage the assets of Georgia Tech effectively. For further information about faculty research interests, see our web page at http://www.eas.gatech.edu/.

Georgia Tech is located on an attractive campus in the heart of Atlanta, a large, diverse, and vibrant city. It is one of the top ranked educational/research institutions in the country and ranked as one of the best places to work. The new chair will have the opportunity to recruit and mentor new faculty and to forge new multidisciplinary interactions with environmental and planetary scientists and engineers at Georgia Tech.

Nominations and applications should be sent in a single PDF file to EASchair@cos.gatech.edu. Applications should include a cover letter stating interest in the position, a complete curriculum vita describing research, teaching and administrative experience, and the names, addresses, email, and telephone numbers of five references. The search committee anticipates beginning review of applications December 15, 2012; however, applications will be accepted until the position is filled.

Georgia Tech is a unit of the University System of Georgia and an Affirmative Action/Equal Opportunity Employer and requires compliance with the Immigration Control Reform Act of 1986.
IST AUSTRIA LOOKS FOR

PROFESSORS AND ASSISTANT PROFESSORS

IST Austria (Institute of Science and Technology Austria) invites applications for Professors and Assistant Professors in physics, chemistry, biology, neuroscience, earth science, mathematics, computer science, and interdisciplinary areas.

The Institute, which is located on the outskirts of Vienna, is dedicated to basic research and graduate education in the natural and mathematical sciences. IST Austria is committed to become a world-class research center with 1000 scientists and doctoral students by 2026. The working language at IST Austria is English.

The Institute recruits tenured and tenure-track leaders of independent research groups. The successful candidates will receive a substantial annual research budget but are expected to also apply for external research grants.

IST Austria values diversity and is committed to equality. Female researchers are encouraged to apply.

To apply online, please consult: www.ist.ac.at/professor-applications

Deadline for receiving Assistant Professor applications: December 1, 2012
Open call for Professor applications

Vision and Change Leadership Fellows

The Partnership for Undergraduate Life Sciences Education—NSF, NIH/NIGMS, and HHMI—is pleased to announce the 2012 PULSE Vision and Change Leadership Fellows. Over the next year, the forty Leadership Fellows will lead a national conversation to develop effective strategies for the sustained implementation of the Vision and Change recommendations. Go to www.pulsecommunity.org to join the conversation.

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The Department of Biology (http://biology.uoregon.edu) and Mathematics (http://math.uoregon.edu) at the University of Oregon announce a cluster hire of up to three tenure-related faculty positions in Fall 2013. One of these positions may be at the level of Associate or Full Professor with indefinite tenure. These hires are part of an integrated effort to strengthen research and scholarship at the nexus of statistics/mathematics and biology at the University of Oregon, and will serve as a catalyst for future growth in this area. We are broadly interested in recruiting candidates working in areas developing statistical methodology related to the life sciences. Examples of these areas include, but are not limited to, statistical analysis of large data sets, algorithms for analyzing sequence data, and stochastic models for neuroscience, population genomics and molecular evolution. Successful candidates will bolster our emerging strengths in biomathematics, maintain an outstanding research program that focuses on solving core problems in this area, and have a commitment to excellence in teaching. Ph.D. required. Position responsibilities include undergraduate teaching. Interested persons should apply online to the MATHBIO SEARCH, University of Oregon at https://www.mathjobs.org/jobs/jobs/4035. Applicants should submit a cover letter, a curriculum vitae including a publication list, a statement of research accomplishments and future research plans, a description of teaching experience and philosophy, and at least one of the letters of recommendation of research accomplishments and future research plans, a description of teaching experience and philosophy, and at least one of the letters of recommendation. Women and minorities are encouraged to apply. The University of Oregon is an Equal Opportunity/Affirmative Action Institution committed to cultural diversity and compliance with the Americans with Disabilities Act, and supportive of the needs of dual career couples. We invite applications from qualified candidates who share our commitment to diversity.

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Assistant/Associate Professor – Cancer Biology

The Department of Cancer Biology has faculty positions available for assistant, associate and full professors, tenure and term tenure-track with demonstrated excellence in molecular and cellular approaches to understanding mechanisms of cancer progression and metastasis. Interests in the areas of cell metabolism, stem cell biology and organ fibrosis will be considered. The department and The University of Texas MD Anderson provide an outstanding environment for development of multidisciplinary research careers. Incumbents will establish their own independent research programs and are expected to write grants and manuscripts for publication. Applicants must have a doctoral degree from an accredited university, postdoctoral experience and be eligible to apply for federal grants. The successful candidate must be able to manage the day-to-day operations in a research laboratory, perform laboratory techniques and use sophisticated laboratory equipment; prepare abstracts for scientific meetings and attend such meetings to exchange scientific data with other researchers, seek funding by writing grants; contribute data for manuscripts to be published in peer-reviewed journals; be able to analyze data using computer software; keyboard; visually proofread all data for accuracy; to manually record in handwriting the results of experiments and test the synthesis of experiments; communicate both verbally and in writing the results and progress of planned experiments in the laboratory, ensure that safety standards are maintained in the laboratory according to institutional requirements; and read and comprehend research literature and attend seminars to be well informed on latest scientific developments in field of interest. Interested applicants should submit their current curriculum vitae, research plan, three letters of recommendation and reprints of 2-3 significant publications to: The Department of Cancer Biology, Debra Linzer – Unit 173, The University of Texas MD Anderson Cancer Center, PO Box 301429, Houston, TX 77230-1429. The University of Texas MD Anderson Cancer Center is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, gender, sexual orientation, age, religion, disability or veteran status except where such distinction is required by law. All positions at The University of Texas MD Anderson Cancer Center are security sensitive and subject to examination of criminal history record information. Smoke-free and drug-free facility.
International Search for Chair Professors and Distinguished Professors

The University of Macau is a leading higher educational institution in Macao and is making strides towards becoming internationally recognized for its excellence in teaching, research and service to the community. The University is growing rapidly with a number of new strategic initiatives including the relocation to a new campus and the establishment of the largest Residential College system in Asia. The new campus will be 20 times larger than the present one with a projected increase of 40% in student intake and faculty size. English is the University’s working language.

We plan to develop a strong team of top-notch scholars to help us realize our vision. Applications are therefore invited from those with excellent academic achievements in the following disciplines:

- Business
- Sciences and Mathematics
- Liberal Arts and Humanities
- Engineering and Technologies
- Education
- Law
- Social Sciences
- Health Sciences

Remuneration and appointment rank offered will be competitive and commensurate with the successful applicants’ academic qualification, current position and professional experience. The current local maximum income tax rate is 12% but is effectively around 5% - 7% after various discretionary exemptions.

For details about the above open positions and related information, please visit the following websites:

Job vacancy website: http://www.umac.mo/vacancy
University website: http://www.umac.mo
Macao government website: http://www.gov.mo

Applicants please state the disciplines applied for and quote the reference no.: ACAD/PROF/09/2013 in their application and send it by email or post to the below address on or before 27 October 2012. Review of applications will commence immediately and continue until the positions are filled. Other contact points are

Human Resources Office
University of Macau, Av. Padre Tomás Pereira, Taipa, Macau
Website: https://isw.umac.mo/recruitment
Email: senior.academic@umac.mo
Tel: +853 8397 8593 or +853 8397 8592; Fax: +853 8397 8694

The effective position and salary index are subject to the Personnel Statute of the University of Macau in force. The University of Macau reserves the right not to appoint a candidate. Applicants with less qualification and experience can be offered lower positions under special circumstances.

***Personal data provided by applicants will be kept confidential and used for recruitment purpose only.***

The TUM Institute for Advanced Study (TUM-IAS), established in 2005, has become an internationally recognized institution dedicated to fostering advanced innovative research in Science and Technology. It is a cornerstone of TUM’s institutional strategy to promote top-level research in the Excellence Initiative by the German federal and state governments. The institute offers an extensive Fellowship program, awarded strictly on the basis of excellence and vision, giving young scientists the time and support they need to develop independent programs while offering established researchers, from industry as well as academia, the freedom to pursue innovative and risky research ideas.

TUM-IAS is looking to fill the position as

**Director (m/f)**

in succession of the founding Director Professor Patrick Dewilde. The Director is responsible for all affairs of the TUM-IAS. In particular, he/she represents the TUM-IAS in relation to organs, boards, and institutions of TUM and elsewhere, oversees the organization and coordination of the Fellowship Program as well as further activities of the Institute, such as the organization of scientific events. The Director is also responsible for the strategic development of the Institute, in close collaboration with its Board of Trustees. In carrying out these duties, the Director is supported by a professionally competent and highly motivated team.

Candidates must have an outstanding scientific reputation as well as executive experience in a scientific institution, with evidence of their ability to lead a unique research institute where outstanding researchers come together to explore new scientific and technological research problems and so doing contribute to the intellectual life and the innovativeness of the University. Furthermore, they should have extended leadership experience in a university environment, be familiar with interdisciplinary projects, have experience in the evaluation of programs and have developed successful collaborations in an international and interdisciplinary environment.

Candidates should fill the requirements for appointment as Professor at TUM. This senior position requires full time commitment and will be awarded for a term of three to five years. It can be extended to a maximum of further three years and will be compensated at the level of Full Professor in the State of Bavaria. Re-location support for candidates coming from outside Germany will be provided.

As part of the Excellence Initiative of the German federal and state governments, TUM has been pursuing the strategic goal of substantially increasing the diversity of its staff. As an equal opportunity, affirmative action employer, TUM explicitly encourages applications from women and minority groups, as well as others who would bring additional dimensions to the university’s research and teaching missions. Preference will be given to disabled candidates presenting essentially the same qualifications. The position is open until filled.

Enquiries and applications should be addressed to:

Prof. Dr. Dr. h.c. mult. Wolfgang A. Herrmann
President
Technische Universität München
praesident@tum.de
Arcisstr. 21
80333 München
The Department of Biology at the University of Nevada, Reno seeks to hire a GENOME BIOLOGIST at the assistant professor level, tenure-track. Of particular interest are genomic applications in non-model organisms within the context of behavior, ecology and evolutionary biology. Areas of expertise could include the study of genome structure and function, population and phylogenomics, and epigenetics, including gene-environment interactions. The successful candidate is expected to maintain a nationally recognized, extramurally funded research program, to train PhD students, and to participate in undergraduate teaching. The Biology Department has 1200 majors, 50 graduate students, 24 state-funded faculty, and averages $4 million/yr in extramural awards. Reno is located in the Sierra Nevada mountains near Lake Tahoe and was recently rated one of the best small cities in the US for outdoor recreation and overall quality of life. Go to https://www.uniresearch.com/postings/11500 to submit application materials, including an application letter, CV, research plans, teaching interests, and contact information for three references. Applications received by November 5, 2012 will receive full consideration.

The University of Nevada, Reno is committed to Equal Employment Opportunity/Affirmative Action in recruitment of its students and employees and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and sexual orientation.

Equal Employment Opportunity/Affirmative Action. Women and underrepresented groups are encouraged to apply.

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**SCHOOL OF MEDICINE**
**INDIANA UNIVERSITY**

Indiana University School of Medicine – Medical Sciences in Bloomington invites applications for 12-month tenure-track positions in cancer biology using mammalian systems. Emphasis will be given to applicants focusing on cancer epigenetics. The successful applicants will join faculty in the Medical Sciences. Numerous cancer-relevant opportunities exist to develop collaborations with faculty in the College of Arts and Sciences (Biology, Biochemistry, Chemistry), the School of Informatics and Computing in Bloomington (http://www.soic.indiana.edu/), the Melvin and Bren Simon Cancer Center (http://www.cancer.iu.edu/), the Center for Cancer Systems Biology (http://motif.bmi.ohio-state.edu/ccsb/), and the Center for Computational Biology and Bioinformatics in Indianapolis (http://www.compbio.iupui.edu/). Successful applicants must have a PhD, MD or MD/PhD, demonstrate a strong potential to establish an externally funded research program, and contribute to the departmental teaching mission at the undergraduate, graduate, or medical level. Additional information may be obtained from: http://bloomingtonmedicine.iu.edu.

Full review of applications will commence November 1, 2012, and continue until the position is filled. Applicants should send a single PDF file containing curriculum vitae; statement of research interests and directions; statement of teaching philosophy; and summary of current and anticipated research support to cancerbi@indiana.edu. Three letters of reference should be sent under separate cover to cancerbi@indiana.edu.

Indiana University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

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**PRIZES**

We are pleased to open nominations for the 2013 Albany Medical Center Prize in Medicine and Biomedical Research.

Please visit our website www.amc.edu/academic/albanyprize/ for nomination information.

Online submission is encouraged.

Deadline for submission is December 3, 2012.
The Welsh Government has committed £50 million to the Sêr Cymru programme to attract world-leading scientists to Wales and to support the establishment of collaborative National Research Networks in three ‘Grand Challenge’ research areas:

- Life sciences and health.
- Low carbon, energy and environment.
- Advanced engineering and materials.

Sêr Cymru aims to increase the value of scientific research to the Welsh economy by developing further an already successful research base, increasing collaboration and expanding facilities and capability in Wales.

**The Opportunities**

In conjunction with Welsh research institutes, the Welsh Government is seeking Expressions of Interest from:

- World-leading researchers, or Welsh universities, for prestigious Research Chairs with the possibility of additional funding for staff and equipment costs.
- Welsh research institutions to set-up National Research Networks that will grow and shape the future direction of research in Wales.
- High calibre individuals to become Network Directors to lead the National Research Networks and support research excellence in Wales.

**Deadline 16th November 2012 for Expressions of Interest.**

For further information about the application process and Expressions of Interest pro forma please visit [www.wales.gov.uk/sercymru](http://www.wales.gov.uk/sercymru)

For this announcement in the medium of Welsh, please visit [www.cymru.gov.uk/sercymru](http://www.cymru.gov.uk/sercymru)

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**Postdoctoral Training in Gene Regulation**

**University of Texas Southwestern Medical Center at Dallas**

The faculty in the Gene Regulation Core Laboratories of the Cecil H. and Ida Green Center for Reproductive Biology Sciences are currently seeking applicants with a Ph.D. degree for an integrated and dynamic postdoctoral training program in gene regulation. Successful applicants can choose research projects with the faculty listed below.

The research programs in the faculty members’ laboratories cover a broad array of topics, including signaling, gene regulation, and genome function, especially in the areas of chromatin, transcription, epigenetics, RNA biology, and nuclear endpoints of cellular signaling pathways. We are interested in a wide variety of model systems and experimental approaches, including biochemistry, molecular biology, structural biology, animal models, genomics, proteomics, bioinformatics, and computational biology.

- **Dr. Xiaoying Bai**: Zebrafish and mammalian models to study the transcriptional mechanisms that regulate the differentiation of hematopoietic stem cells, as well as epigenetic regulation affecting Pol II elongation through chromatin.
- **Dr. W. Lee Kraus**: Signal-regulated transcription in the chromatin environment of the nucleus, with a focus on the estrogen and nuclear NAD+ signaling pathways, PARPs, and non-coding RNAs in mammalian biological systems (e.g., hormone signaling, inflammation, ES cell biology, adipogenesis, and metabolism).
- **Dr. Xin Liu**: Interplay between the three-dimensional chromatin organization and RNA polymerase II transcription, focusing on the molecular and biophysical basis of chromatin loop and heterochromatin formation during transcriptional regulation.
- **Dr. Yunsun Nam**: Mechanisms underlying gene regulation by non-coding RNAs, especially those pertinent for development and cancer. The molecular and structural basis of substrate recognition, catalysis, and regulatory mechanisms for the processing of microRNAs.

Candidates should submit a CV or resume, brief statement of interests and accomplishments, and a list of three references in one pdf or .doc file by e-mail to lee.kraus@utsouthwestern.edu. The subject line should include the terms “Postdoctoral Training in Gene Regulation” and the body of the e-mails should indicate the laboratories of interest. Successful applicants will receive competitive pay and benefits commensurate with the applicant’s level of experience.

UT Southwestern provides a dynamic, collaborative, and integrative research and training environment with state-of-the-art facilities.

**UT Southwestern is an Equal Opportunity/Affirmative Action Employer.**
The new Dell Pediatric Research Institute (DPRI: http://dpri.utexas.edu/) is a state-of-the-art medical research facility whose mission is to advance understanding of childhood diseases and congenital disorders. We are inviting applications for tenured or tenure-track faculty positions at all levels. Positions are available for individuals with research programs focused on neurodevelopmental disorders and genetic disorders. We are interested in candidates who use contemporary approaches to investigate vertebrate and human development and disorders associated with development. We encourage applications from MD/PhD clinician-scientists with expertise in medical genetics/genomics and bioinformatics. Appointments will be made in the appropriate academic unit within the College of Natural Sciences, College of Pharmacy, or School of Engineering. Positions include competitive salary and start-up packages, and laboratory space in DPRI, adjacent to Dell Children’s Medical Center just minutes from the UT-Austin campus.

We seek outstanding investigators who will build active research programs, teach effectively at the undergraduate and/or graduate levels, and interface clinically (if appropriate) and scientifically with translational research opportunities at the Dell Children’s Medical Center. Successful candidates are eligible for affiliation with various campus-wide research institutes which provide outstanding core research facilities and excellent graduate programs.

Review of applications will begin October 15, 2012 and continue until positions are filled. Please send a single PDF file containing a letter of application, curriculum vitae, statement of research interests, a one page teaching statement, and names of 3-5 references (who will not be contacted without the consent of the candidate) to:

Dr. Richard Finnell
Dell Pediatric Research Institute
The University of Texas at Austin
1400 Barbara Jordan Blvd.
Austin, TX 78723
email: rfinnell@austin.utexas.edu

The University of Texas is an Equal Opportunity Employer. Qualified women and minorities are encouraged to apply. A background check will be conducted on selected applicants.
The Department of Mechanical Engineering is accepting applications for the position of Department Chair and Professor, with tenure, starting ideally by September 1, 2013.

The Department currently has 42 primary faculty members (35 tenured or on tenure track), with many holding secondary appointments in other departments and divisions within the College. Undergraduate and graduate enrollments are approximately 500 and 150 respectively. ME faculty also advise almost 100 graduate students enrolled in programs based in other departments and the divisions. Our BS degree in ME allows for optional departmental concentrations in aerospace engineering and manufacturing engineering and college-wide concentrations in energy technologies, nanotechnology, and technology innovation. At the graduate level, the ME Department offers research and professional masters degrees in both mechanical and manufacturing engineering and the PhD in mechanical engineering.

Boston University has made a long-term commitment to the development of the College of Engineering and that commitment is having results. The College is ranked 38th in the nation (USN&WR) and 21st in research funding per faculty. With annual expenditures of over $8 million, the ME Department’s research focus areas include: robotics, control, MEMS and nanotechnology, physical and biomedical acoustics, materials science and engineering, energy and energy systems (including thermofluid sciences), micro-fluidics, biomechanics, advanced manufacturing technologies and computational mechanics. The portfolio is strengthened by the department’s affiliation with the Division of Materials Science and Engineering, the Division of Systems Engineering, the Fraunhofer USA Center for Manufacturing Innovation, the Center for Information and Systems Engineering, and the Photonics Center.

The successful candidate will have an earned doctorate and be internationally recognized for research excellence, leadership and scholarship in mechanical engineering or a related discipline. Additionally, s/he will have a sound vision for the future of the Department and the disciplines it represents, the skill to lead and advance a research-oriented department, the ability to both recruit and mentor exceptional junior faculty, and a passion for educational excellence at the undergraduate and graduate levels. The new Chair will be expected to oversee the hiring of multiple new faculty members over the next five years as one aspect of implementing their vision for the future. The Department is particularly interested in a leader who will further strengthen the graduate program through an environment that fosters interdisciplinary research and industry collaboration. More information on the Department can be found at www.bu.edu/me/

Applications will be considered until the search committee has identified a suitable list of viable candidates. It is unlikely that applications received after January 15, 2013 will be considered. Applicants should submit an electronic dossier that includes a cover letter, curriculum vitae, and the names and addresses of at least six references to: mechairssearch@bu.edu

Boston University is an Equal Opportunity and Affirmative Action Employer.
2013 POSTDOCTORAL AQUARIUM RESEARCH INSTITUTE

APPLICATION DEADLINE: Wednesday, December 12, 2012

Selected candidates will be contacted in early March 2013.

Application Requirements:
1. Curriculum vitae
2. At least three professional letters of recommendation
3. Succinct statement of the applicant’s doctoral research
4. Potential research goals at MBARI
5. Supplemental Information online form (http://www.mbari.org/about/postdoc_mentors.htm)

Competitive compensation and benefits package.

MBARI considers all applicants for employment without regard to race, color, religion, sex, national origin, disability, or veteran status.

Address your application materials to:
MBARI, Human Resources
Job Code: Postdocs-2013
7700 Sandholdt Road, Moss Landing, CA 95039-9644
Submit by e-mail to: jobs_postdocs@mbari.org (preferred),
by mail, or fax to (831) 775-1620.

EOE • MBARI Welcomes Diversity

MEMORIAL SLON-KETTENING CANCER CENTER

FACULTY POSITION

Structural Biology Program

The Structural Biology Program of the Sloan-Kettering Institute (www.ski.edu) invites applications for a tenure-track faculty position at the Assistant Member level (equivalent to Assistant Professor). We are interested in individuals who have an outstanding record of research accomplishments. Areas of interest include x-ray crystallography, NMR spectroscopy, EM and optical imaging, as well as the interface of structural, chemical and computational biology. Faculty will be eligible to hold graduate school appointments in the Gerster Sloan-Kettering Graduate School of Biomedical Sciences, the Weill Cornell Graduate School of Medical Sciences, as well as the Tri-Institutional MD/PhD Training Program.

The deadline for applications is November 1, 2012. Interested candidates should visit http://facultysearch.ski.edu to access the on-line faculty application. Please visit the site as soon as possible, as it contains important information on the required application materials, including deadlines for submission of letters of reference.

Informal inquiries may be sent to Julie Kwan at kwanjl@mskcc.org or to Dr. Nikola Pavletich, Chair, Structural Biology Program at pavletin@mskcc.org.

MSKCC is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply.

POSITIONS OPEN

CELL BIOLOGIST

The Biology Department of Franklin & Marshall College invites applications for a two-year VISITING ASSISTANT PROFESSOR position in cell biology, beginning July 2013 (pending administrative approval). Candidates should have the Ph.D., demonstrated strengths in teaching and research, and broad interests in cell biology. Teaching responsibilities will include lecture and laboratory sections of a sophomore-level core course in cell biology, and an upper level elective in the candidate’s area of specialization. Franklin & Marshall is a small (enrollment 2,400), highly selective coeducational liberal arts college with a tradition of excellence in science and student research. In 2012, the Howard Hughes Medical Institute awarded the College a substantial grant to encourage the development of future leaders in translational research and public health through the College’s innovative partnership with the Clinic for Special Children.

The successful candidate will have the opportunity to participate in our interdisciplinary major programs, including Biochemistry & Molecular Biology and Biological Foundations of Behavior (neuroscience and animal behavior). Applicants should arrange to have letters sent from three referees, and should submit a cover letter, curriculum vitae, plans for actively engaging undergraduates through teaching and research, teaching evaluations (if available), and undergraduate and graduate transcripts. Electronic applications will not be accepted. Priority will be given to completed applications received by November 16, 2012. Send applications to: Dr. David Roberts, Department of Biology, Franklin & Marshall College, P.O. Box 3003, Lancaster, PA, 17604. Telephone: 717-291-4118; fax: 717-358-4548; e-mail: janie.kaufman@fandm.edu; website: http://www.fandm.edu/biology.

Franklin & Marshall College is committed to having an inclusive campus community, and as an Equal Opportunity Employer, does not discriminate in its hiring or employment practices on the basis of gender, race or ethnicity, color, national origin, religion, age, disability, family or marital status, or sexual orientation.

ASSISTANT PROFESSOR POSITION

College of Liberal Arts and Sciences
University of Illinois at Chicago

The Department of Biological Sciences in the College of Liberal Arts and Sciences at the University of Illinois at Chicago (UIC) invites applications for a tenure-track ASSISTANT PROFESSOR position in Neurobiology to start August 16, 2013. Final authorization of the position is subject to availability of state funding. Located in the heart of Chicago, UIC is one of the nation’s leading urban research universities. Numerous opportunities exist for collaborative research in biological sciences across disciplines at UIC and with colleagues and institutions throughout the Chicago region.

The successful candidate will establish a vigorous, externally funded research program, teach undergraduate neuroscience courses and participate in the graduate neuroscience training program. Applicants working in all areas of neurobiology are encouraged to apply. Neurogenetic and advanced imaging approaches to cellular or systems neurobiology are of particular interest. This individual will join a diverse department that investigates a wide breadth of topics in biology, supported by excellent facilities and resources. Candidates must have a Ph.D. or equivalent, significant postdoctoral experience, a demonstrated record of research accomplishments, and teaching experience.

For fullest consideration, candidates must complete an online application and submit a curriculum vitae, research and teaching statements, and the names and e-mail addresses of three references at website https://jobs.uic.edu by December 1, 2012.

Women and members of traditionally underrepresented minority groups are strongly encouraged to apply. The University of Illinois is an Affirmative Action, Equal Opportunity Employer.
The 2013 Novartis Prizes, one for Basic Immunology and one for Clinical Immunology are awarded for outstanding achievements in the understanding of immunology and major immunological discoveries that resulted in therapeutic applications in such fields as autoimmune and inflammatory diseases, transplantation, cancer immunotherapy, infectious diseases, dermatology and asthma. For more information, please visit www.novartisimmunologyprizes.org

The next Novartis Prizes for Immunology will be awarded at the XVth International Congress of Immunology in Milan, Italy in a special Award Ceremony on August 23, 2013.

Each prize is endowed with SFr 100,000.

Nominations in English should include a summary of the major research activities in up to 2 pages, curriculum vitae, and a bibliography containing the most relevant publications pertaining to the candidate’s nomination.

The deadline for entries is 25 January 2013.

Nominations should be sent electronically to: novartisprizes@gmail.com
Dr. Jan E. de Vries, Secretary of the Novartis Prizes for Immunology, P.O. Box 2501, La Jolla, CA, 92037, USA.

Jury: Hidde Ploegh (Chair), Charles Dinarello, Tadamitsu Kishimoto, Bernard Malissen, Diane Mathis, Anne O’Garra, Jan de Vries.

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**Science Careers** is the forum that answers questions.

Science Careers is dedicated to opening new doors and answering questions on career topics that matter to you. With timely feedback and a community atmosphere, our careers forum allows you to connect with colleagues and experts to get the advice and guidance you seek as you pursue your career goals.

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  - Community, Connections, and More!

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Your Future Awaits.

ScienceCareers.org
PT POSTDOCTORAL POSITION IN THE Molecular Biology of Female Reproductive Systems
University of Texas Southwestern
Medical Center at Dallas

Seeking individuals with a Ph.D. or M.D. degree and relevant research experience for a postdoctoral position in the laboratory of Dr. W. Lee Kraus. The Kraus laboratory has a number of exciting ongoing projects related to the molecular role of estrogen signaling, inflammation, and poly(ADP-ribose) polymerases (PARPs) in various aspects of female reproductive biology, including parturition, endometriosis, and mammary carcinogenesis.

Candidates should have demonstrated experience in molecular biology and mouse genetic models, as well as an ability to work independently and creatively. Experience with genomic approaches (e.g., RNA-seq, ChIP-seq) is a plus. Candidates should submit a curriculum vitae or resume, brief statement of interests and accomplishments, and a list of three references in one pdf or doc file by e-mail: kraus@utsouthwestern.edu.

The subject line should include the terms “Molecular Biology of Female Reproductive Systems postdoctoral Application”. Successful applicants will receive compensation and be paired with a mentor of their choice.

FT FACULTY POSITION IN NEUROSCIENCE
As part of the 2nd Century Initiative at Georgia State University, the Neuroscience Institute (website: http://neuroscience.gsu.edu) and the Department of Biology (website: http://biology.gsu.edu) and Psychology (website: http://www2.gsu.edu/~wwppsy) are seeking two senior faculty members in the area of Behavioral Neuroscience and the Molecular Basis of Behavior pending budgetary approval. Particular attention will be paid to applicants engaged in research on genetic, genomic, or epigenomic mechanisms of behavior, or behavior genetics. Researchers using any organism including invertebrates, vertebrate laboratory animals, nonhuman primates, and humans are welcome to apply. This research will complement and extend GSU’s current strengths in systems, computational, and behavioral neuroscience. Hires will be made at the rank of ASSOCIATE or FULL PROFESSOR, and candidates are expected to have federal funding for their research.

Applications should include a full curriculum vitae, names and contact information for three references, and a letter of research interest. Applications can be submitted either electronically as a pdf format to e-mail: neurogenetics@gsu.edu or in hard copy to: Chair of the Neuroscience Search, Neuroscience Institute, Georgia State University, PO Box 5030, Atlanta, GA 30302.

In addition to these positions, Georgia State University’s Second Century Initiative (2CI) is supporting separate cluster-hiring initiatives in primate social cognition, neuroimaging, neuroethics, obesity, bioinformatics, therapeutics, and other selected areas. For more information about the 2CI initiatives, see website: http://www.gsu.edu/secondcentury.

Review of applications will begin immediately and will continue until the positions are filled.

FOR more information contact the search committee chair, Dr. Kim Huhman (e-mail: kluhnman@gsu.edu).

Georgia State University, a Research University of the University System of Georgia, is an Affirmative Action/Equal Employment Opportunity employer. Employment is contingent upon background verification.

FULL-TIME FACULTY POSITION IN NEUROSCIENCE
University of California, Davis

Applications are invited for a faculty position at the ASSISTANT PROFESSOR level in chemical engineering. All areas of expertise will be considered, and candidates with an interest in applying genomic approaches (e.g., RNA-seq, ChIP-seq) or developing methods for genomic analysis are especially encouraged to apply. The candidate should have a strong research record with the potential and commitment to become a leader in the field. Commitment to undergraduate and graduate education is essential. All Ph.D. degree candidates in the relevant discipline are required. Consult website: http://chem.engineering.ucdavis.edu/ for our on-line application procedure and requirements. The position is open until filled. Applicants are expected to submit no later than October 19, 2012, for a start date of July 1, 2013.

UC Davis is an Affirmative Action/Equal Opportunity Employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities, and veterans.

ASSISTANT PROFFESSOR OF BIOLOGY
The Department of Biology at Barnard College, Columbia University, seeks a full-time, tenure-track Assistant Professor starting July 2013, to participate in undergraduate teaching and establish an active, externally funded research program. We are interested in candidates who are trained in and assisted by departmental review in the physiological and/or whole-organism level. Teaching responsibilities include an advanced lecture, laboratory, and seminar course in the candidate’s area of specialization, and participation in the core genetics course. Ph.D. and postdoctoral experience is required; teaching experience is desirable.

Applications should include curriculum vitae, research and teaching statements, three letters of recommendation sent electronically to e-mail: biologyjob@barnard.edu. Review of applications will begin November 1, 2012.

Barnard College is an Equal Opportunity Employer. Women and minorities of underrepresented minorities are encouraged to apply.

Three (3) Tenure-Track Faculty Positions in Biology:
One position in Cellular/Molecular and two positions in Animal Biology.

Applications close December 31, 2012, for a start date of March 2013. Please contact: Bruce White, e-mail: biojobs@tulane.edu. Applications should be submitted as a single PDF, as a single PDF in the above order. The applicant should also arrange to have three letters of recommendation sent to e-mail: biojobs@tulane.edu. For further information, applications should be submitted by November 15, 2012, but will be accepted until the position is filled.

The University of Maryland Baltimore County (UMBC) is a medium-sized research university in the Baltimore-Washington, D.C. area, whose combined excellence in research and outstanding educational programs has earned recognition by U.S. News and World Report as the 1st Up-and-Coming National University for four years running. For information about the Department of Biological Sciences and its graduate programs, visit website: http://www.umbc.edu/bioscience.

UMBC is an Equal Opportunity/Affirmative Action Employer. UMBC values gender, ethnic, and racial diversity; women, members of ethnic minority groups, persons with disabilities, and veterans are strongly encouraged to apply. UMBC is the recipient of an NSF ADVANCE Institutional Transformation Award to increase the participation of women in academic careers.

Tenure-track Faculty Position in Microbiology or Plant Biology, with expertise in Population/Ecological Genetics: The Department of Biological Sciences at Loyola Marymount University (LMU) invites applications for a tenure-track position at the rank of ASSISTANT PROFESSOR, beginning fall 2013. Individuals with a Ph.D. in Biology or related fields are encouraged to apply. The candidate will be expected to establish and lead a research division in Plant Biology or Microbiology, lower division courses in Biology that include population genetics and/or molecular genetics, and courses in his or her specialty area such as evolutionary genomics. Candidates with a strong publication record and an ability to work independently and creatively. The candidate is expected to establish a research program that will include undergraduate student groups. Synergy in research and teaching is enhanced by opportunities such as the CURES Center, Urban Resilience and the construction of the new Life Sciences Building to begin in 2013. Situated adjacent to the Ballona Wetlands in Los Angeles, LMU is in a culturally and ecologically diverse environment. It is within a two-hour drive of beaches, deserts, and mountains; the California Channel Islands are also close by. Please send a letter of application, curriculum vitae, selected publications, a statement of teaching philosophy within an institution such as LMU, a description of research accomplishments and goals, and arrange for three letters of recommendation to be sent to: Dr. Urbaniati, Department of Biology, Loyola Marymount University, 1 LMU Drive MS 8820, Los Angeles, CA 90045-2650. Review of applications will commence 29 October 2012 and continue until the position is filled. As a comprehensive Catholic Jesuit/Marymount University, LMU seeks professionally outstanding applicants who value their mission and share its commitment to academic excellence, the education of the whole person, and the building of a just society. The successful candidate will be committed to supporting and enhancing a culturally rich and diverse learning environment. LMU is an Equal Opportunity Institution; activity working towards an intercultural learning community. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR OF BIOLOGY
Biology Department at Barnard College, Columbia University, seeks a full-time, tenure-track Assistant Professor starting July 2013, to participate in undergraduate teaching and establish an active, externally funded research program. We are interested in candidates who are trained in and assisted by departmental review in the physiological and/or whole-organism level. Teaching responsibilities include an advanced lecture, laboratory, and seminar course in the candidate’s area of specialization, and participation in the core genetics course. Ph.D. and postdoctoral experience is required; teaching experience is desirable.

Applications should include curriculum vitae, research and teaching statements, three letters of recommendation sent electronically to e-mail: biologyjob@barnard.edu. Review of applications will begin November 1, 2012.

Barnard College is an Equal Opportunity Employer. Women and minorities of underrepresented minorities are encouraged to apply.

Three (3) Tenure-Track Faculty Positions in Biology:
One position in Cellular/Molecular and two positions in Animal Biology.

Applications close December 31, 2012, for a start date of March 2013. Please contact: Bruce White, e-mail: biojobs@tulane.edu. Applications should be submitted as a single PDF, as a single PDF in the above order. The applicant should also arrange to have three letters of recommendation sent to e-mail: biojobs@tulane.edu. For further information, applications should be submitted by November 15, 2012, but will be accepted until the position is filled. UMBC is a medium-sized research university in the Baltimore-Washington, D.C. area, whose combined excellence in research and outstanding educational programs has earned recognition by U.S. News and World Report as the 1st Up-and-Coming National University for four years running. For information about the Department of Biological Sciences and its graduate programs, visit website: http://www.umbc.edu/bioscience.

The University of Maryland Baltimore County (UMBC) is an Equal Opportunity/Affirmative Action Employer. UMBC values gender, ethnic, and racial diversity; women, members of ethnic minority groups, persons with disabilities, and veterans are strongly encouraged to apply. UMBC is the recipient of an NSF ADVANCE Institutional Transformation Award to increase the participation of women in academic careers.