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Associate Editor

Science and AAAS seek a talented scientist to serve as an Associate Editor for our new interdisciplinary journal, Science Translational Medicine.

This position is designed for an individual with broad interests, a lively curiosity, and experience with cutting-edge research in at least one, but preferably more than one, biomedical or clinical research field. To round out our editorial team, we would like our new Associate Editor to have expertise in immunology (vaccines and autoimmune disease especially welcome) or bioengineering (devices, tissue engineering and stem cells are areas of preference).

Responsibilities include, but are not limited to:
- Judge the scientific value of research;
- Foster relationships and communication with the scientific community through literature reviews, meetings and professional contacts;
- Manage the review, selection, and editing of submitted manuscripts;
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- Discuss and make recommendations regarding manuscripts and reviews with other staff, advisers, authors;
- Write summaries of research results for publication;
- Guide authors on manuscript revisions;
- Edit the manuscripts for scientific content and style before and after revisions;
- Follow the manuscript through production process to ensure material is published in a timely manner; and
- Travel to scientific meetings.

The minimum qualifications to be competitive and considered for the position are:
- Mastery of a professional field typically acquired through completion of a doctoral degree in at least one biomedical or clinical research field;
- 3-5 years experience, including post-doctoral research experience and multiple publications;
- Ability to work constructively as a member of a team;
- Experience with cutting-edge research in one of the fields mentioned above;
- Comprehensive knowledge of scientific research methods in order to discuss technical issues with authors; and
- Exceptional written, communication, and listening skills in order to communicate with authors and reviewers in evaluating, editing and modifying manuscripts.

Previous editorial experience is not required.

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Faculty Position in Computational Genomics

Group Leader – Computational Genomics (Ref: 80616)

The Wellcome Trust Sanger Institute invites applications from outstanding individuals to join our Faculty and lead key project work in computational genomics. A possible primary research interest is in computational integrated genomics: with the large scale data collection projects at the Institute, such as 1000 Genomes, WTCCC, targeted mutagenesis in mouse and zebrafish and transcriptomics, the challenge is to connect genotype, transcription and function. The successful candidate will benefit from the Sanger’s very substantial informatics resources and the strong interactions with the European Bioinformatics Institute, computational research groups at the University of Cambridge and the Cambridge Microsoft Research Institute.

As a member of our Faculty the successful candidate will enjoy access to unparalleled facilities to support the delivery of projects and the generation of data and biological resources on a large scale. Our core technologies include high throughput sequencing, genotyping and core IT support which underpin our global position in these areas. During the coming years we aim to make a major contribution to the understanding of gene function, similar in impact to our role in genome sequencing.

We are seeking to appoint a Group Leader at Career Development Fellow level, for a 6 year fixed term. Further details of our Faculty model can be found at http://www.sanger.ac.uk. The expectation is that at this level Group Leaders will have the opportunity to develop the intellectual basis, biological resources and data to sustain a scientific programme in the long term and will pursue their career elsewhere at the end of the term.

Applicants for this role will have a strong computational biology background, having excelled as postdoctoral scientists and will be able to demonstrate that they have the capability and personal qualities to lead a research team and direct independent work, possibly for the first time. Applications from women are particularly encouraged, although we welcome approaches from any scientists with relevant research interests. Salary range from £36,772 dependent on experience.

Contact for informal enquiries: Tim Hubbard th@sanger.ac.uk

Closing date for applications is 28th May 2010.

Postdoctoral Fellow - Computational Genomics (Ref: 80615)

A comprehensive description of regulatory regions is a major missing component of the annotation of genome sequences. With the availability of sensitive computational algorithms (e.g. NestedMICA, capable of large scale ab initio motif discovery) and large scale experimental datasets of regulatory elements from projects such as the ENCODE project, there is great potential to generate improved regulatory annotation for large vertebrate genomes at the motif level.

This post is within Tim Hubbard’s research group http://www.sanger.ac.uk/research/faculty/thubbard/research.html to develop and apply machine learning algorithms such as NestedMICA to build comprehensive motif libraries and annotate large genomes. The post would suit individuals with a strong mathematical background and experience of algorithm development. Tim’s research group works closely with the major vertebrate genome annotation projects of Ensembl, Havana and GENCODE (ENCODE) of which he is PI. The Sanger Institute has extensive computational resources suitable for large scale calculations envisaged for this research.

Applicants must have a PhD in a relevant subject area (e.g. Computational / Statistical Genomics, Physics, Bioinformatics, Biophysics, Engineering, Computer Science) and have a genuine interest in biological regulation with strong programming skills (e.g. C++, Perl) in UNIX environments.

The Salary range is £28,000 to £34,433 dependent on experience. This position is for a fixed term of 3 years. Successful applicant(s) who have submitted their PhD thesis and are awaiting their PhD award to be confirmed will be placed on a transitional pay point, currently £25,845. On confirmation of award applicants will be moved on to the pay scale above.

Closing date for applications is 30th April 2010.

For further information and details on how to apply, go to: http://www.sanger.ac.uk

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SYSTEMS BIOLOGY AND BIOINFORMATICS: SOMETHING FOR EVERYONE

Systems biology and bioinformatics want you. These highly collaborative fields are looking for biologists, engineers, chemists, mathematicians, and computer programmers. If you can work in a diverse team, says Bernhard Palsson of the University of California, San Diego, “It’s an era of unprecedented opportunity.”

By Chris Tachibana

Lynd Hlatky, director of the center of cancer systems biology at St. Elizabeth’s Medical Center, Tufts University, agrees, saying, “For people who are changing careers, and for new investigators, there is funding, and new systems biology centers are being established worldwide.”

The job opportunities aren’t necessarily tied to a specific geographic location, either. Collaborators can work remotely on a common project. Wet-lab data generated at one site might be analyzed by group members cyber-networking from a distance. “It’s more about getting the right people together to address the problem, no matter where they are,” says Hlatky. Systems biologists just need “the ability to see the big picture and to have an open mind. Anyone can get into this game.”

Actually, all researchers need to get into the game, according to Jens Nielsen, professor of systems biology at Chalmers University of Technology, Göteborg, Sweden. “The tools, techniques, and approaches of systems biology are becoming standard in research and industry,” he says. “To get a life science job in 10 or 20 years, you will simply be expected to have competency in these areas.”

Combining High Tech with Old School

The list of specific areas within systems biology is almost comically long, and includes everything from cutting-edge computer science to traditional life sciences. Fortunately, in this field, collaboration is the name of the game. Galetti Professor of Bioengineering at the University of California, San Diego (UCSD) Bernhard Palsson says systems biology includes “an understanding of networks, biological systems and linear algebra, genomics and genetics, the biochemistry of gene products, and how everything fits into the three-dimensional architecture of the cell.” Hlatky says that attacking the complex, nonlinear nature of biology requires “a team of individuals collectively versed in the traditional biological as well as the quantitative sciences, from cell and molecular biology to physics, chemistry, computer science, and mathematics.”

Systems biology even needs expertise in fields that have fallen a bit out of fashion. Remember Linnaeus? “Taxonomy is a field of increasing importance, particularly combined with molecular techniques,” says Stephan Schuster of the Center for Comparative Genomics and Bioinformatics at Penn State University and the Department of Biochemistry and Molecular Biology. Knowledge of physiology, “but now with quantitative and molecular tools,” is valuable, says Hlatky. “We also need people who have training in population levels of thinking—developmental specialists, physicists, and ecologists.”

The multidisciplinary systems biology group is like a multicellular organism, explains Hlatky, with robustness coming from specialization and a division of labor. This diversity allows the team to tackle dynamic problems with multiple variables. For example, she says, “In cancer biology, we used to think a number of oncogenes, tumor suppressors, and DNA repair genes drove the whole process, but now we are identifying thousands of genetic alterations in cancers. This means we’re not going to figure it out by tracking a few or even dozens of genetic endpoints. We need computation and bioinformatics to address this part of the puzzle.”

Like two organs in one body, systems analysis and bioinformatics are separate, but interdependent. “Bioinformatics extracts knowledge from the data that underlie systems biology, for creating hypotheses and models, says Janet Thornton, director of the European Molecular Biology Laboratory, European Bioinformatics Institute (EMBL-EBI). Bioinformatics is a growth area, says Thornton, because “almost every experiment now involves multiple sources of data, requiring the ability to handle those data and to draw out inferences and knowledge. Bioinformatics has evolved rapidly over the past 15 years and is now quite ubiquitous.”

“Bioinformatics has evolved rapidly over the past 15 years and is now quite ubiquitous.”

UPCOMING FEATURES

Bio/Pharma: Mythbusting about Industry—April 23
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Focus on Spain—June 11
“Together with genomics, the most important research will be in bioinformatics, where you can correlate temporal or genomic profiles with chemical, mass spectrometry, and genetic data.”

—Stephan Schuster

Bioinformatics Opportunities in Service and Discovery

Careers in bioinformatics can be in the applied or services field, or in basic research. These two areas are very different in philosophy and practice, offer diverse opportunities, and attract different personality types. Structured, long-term, large-scale thinkers excel in the services field. “These people deliver a professional service, so they have to have robust software, and a very clear development process,” explains Thornton. “They serve a large community of users, so they can’t just change things overnight. Changes are planned months in advance, and occur while running 24 hours a day, and accepting data from all over the world.” This area especially needs developers and testers. “They say it takes one month to write a program, but 10 to make it robust,” says Thornton. Bioinformatics service also involves curation, or annotation of genes, proteins, metabolites, and other elements. Here again, says Thornton, “the annotator has to follow clear processes, and do it the same way with every gene or protein. You can’t suddenly decide to do it differently one day. The goals of service are reliability, robustness, utility, and ease of use.”

Research opportunities in the bioinformatics service field usually focus on making databases faster and more efficient. But the bottom line for the service side is scheduling new releases and data exchanges, and sticking to clearly defined criteria, protocols, and deadlines. Also, Thornton acknowledges, “Service bioinformaticians must make absolutely sure that no data are lost, which is something research scientists have been known to do.”

Bioinformatics discovery is “for blue sky researchers” who can think of new ways to apply bioinformatics techniques or new directions to take the field, says Thornton. “Bioinformatics researchers need curiosity to answer biological questions. They need to write good software, but it doesn’t have to be perfect, and this is not usually the primary goal. It’s more important for researchers to ask the right questions. In my opinion, most good bioinformatics research is rooted in answering a specific biological question, but these can be rather grand questions, such as, How does the expression of all genes change as an organism ages?” And bioinformatics researchers can go where their imagination and interests lead them. “They have the freedom to explore multiple organisms, which is usually not the situation for an experimental biologist,” says Thornton. “To a computational biologist, it doesn’t matter if the data are protein interactions or metabolism, the methods are the same. An attraction of this field is that you aren’t spending your life looking at a single organism or protein, but can be flexible and take a broader view.”

The future career possibilities are encouraging. Penn State’s Schuster says that “together with genomics, the most important research will be in bioinformatics, where you can correlate temporal or genomic profiles with chemical, mass spectrometry, and genetic data. This really opens up opportunities for people who are coming from many different directions.” But right now, Thornton says, “Bioinformatics needs people driven by biology questions who want to take computational routes to answering those questions.”

Opportunities for Bioengineers, Entrepreneurs, and Academics

Systems biology needs all-around researchers, according to Nielsen of Chalmers. He advises his students and postdocs to get experience in as many areas as possible, “from engineering to statistical analysis to molecular verification,” and to do this as part of their project. Palsson of UCSD agrees, saying, “The best training might be classwork in the quantitative methods, while at the same time doing hands-on research in the lab in an environment that provides an in-depth understanding of what biology is all about.”

For scientists with a broad range of skills, Nielsen says, “job prospects in industry are fairly good right now, considering that it’s a tough time everywhere.” Many of his students train for careers in industry with applied projects, addressing issues like improving fungal strains for commodity chemical production. Nielsen says that drug development firms, pharmaceutical companies, and commodity producers have been “investing in systems biology technology, so now they need people who can use it.” The demand is particularly great for “people who can analyze data, who approach biology in a quantitative fashion and can integrate information from different areas.”

Palsson has been involved in several startup companies and holds 28 US patents. He says the current demand for systems entrepreneurs is in “bioprocessing and metabolic engineering to make commodity and fine chemicals, and biopolymers.” Both Palsson and Schuster see renewable energy and biofuels as a potential growth area with many challenges to meet. “We already see money being earned in sustainable energy fields, and they need information from broad systems studies in environmental areas and biodiversity,” says Schuster. EMBLEBI’s Thornton also sees business opportunities for bioinformaticians. “Large pharmaceutical companies are moving away from in-house bioinformatics resources,” she explains. “There’s too much data, and they can’t handle the storage, and don’t have the personnel to keep things running. There may be opportunities for small and medium enterprises to develop software solutions for companies to handle their data effectively.”

Academics and educators are not left behind as the demand for systems analysts and bioinformaticians grows. “In 10 or 20 years, systems biology will just be part of an integrated biology education, so the need for faculty in this area will increase dramatically in the future,” says Nielsen. Universities also need bioinformaticians, says Thornton. “Every biology research department will need computational experts.” continued »
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Medicine in the Era of Systems Biology and Bioinformatics

Another booming area is systems medicine. Clinical applications are limited today, but leaders in the field believe that radical changes are coming to health care and medical research. Hlatky of Tufts predicts that progress in analyzing physiological networks, integrating data from multiple levels, and monitoring biological changes over time will have a major impact. Future physicians, take note. “We’ll pay more attention to all the parts, and recognize connections between different medical disciplines, like cancer and cardiology,” she says. “Medicine will become more of what it is supposed to be, an integrated treatment of the individual.” Hlatky says that stem cell biology is another area where a systems approach has strong potential, because of the complexity of the cells, and their impact on everything from neurological diseases, to chronic conditions, to regenerative medicine.

Systems medicine will also create job opportunities in bioinformatics. Thornton says, “In the future, we’ll need people at the interface of databases and clinical trials, people who can handle all that computational work. Those data will be used in many different ways, to identify and measure interactions, and to determine concentrations. We need to develop computational tools for handling those data, including the variants.”

At a more personalized level, Lee Hood, founder of the Institute for Systems Biology in Seattle, put forward his vision of the future of diagnosis in a recent talk. He described “an annual wellness assessment by blood prick that will analyze 2,500 protein biomarkers, for an organ-by-organ report on an individual’s health status.” Accumulation of individual data points over time will make every person a little longitudinal study, and “every patient will be his or her own control.” To make this happen, scientists need to advance nanotechnology and imaging technology, and to create new computational tools. For those interested in business-oriented careers, Hood predicts “an explosion in health care companies, as emphasis shifts from disease to wellness.”

Penn State’s Schuster has a different angle on how systems biology researchers and bioinformaticians will contribute to human health and welfare. “Changes to the environment will affect flora, fauna, microenvironments, and may have geologic aspects. This will shift patterns of pathogens, and changes in pathogens will impact human populations and food supplies. This will carry over to human health and the stability of societies.” Awareness of how environmental changes affect health and society is growing, providing research opportunities for systems biologists. “I believe funding cycles for environmental projects are on the upswing,” he says.

Seeing the Big Picture

To find other areas of expansion in systems biology and bioinformatics, you don’t have to look very far. Analysis of the interactome, or how cell components interact with their neighbors, is “big in the field now” says Nielsen of Chalmers. “This will be especially challenging, because it is not a static thing. Protein A may act with Protein B, but that interaction depends on how we set up the experiments.” Tufts’ Hlatky adds, “We need to take the multiscale, dynamic interactions among molecules, cells, and tissues and knit them together in a quantitative construct.” Thorntom of the EMBLEBI also sees integrating different levels of information as the next step, particularly in processing, storing, and interpreting imaging data. “We’re developing advanced imaging tools from the cellular, to the organ, and up to the whole organism level.” These methods have to be automated, and the data they generate need to be processed, integrated, and analyzed. Thorntom says, “The opportunities are clearly in understanding biology at all different scales, bridging information from molecules to cells to organs to the whole organism, and being able to bring all those aspects together, basically to interpret the entire genome at all levels.”

The field needs researchers who are comfortable working with data from all these levels, and grand thinkers who can come up with unifying theories. Hlatky says the next goal is to find the overarching biological principles in systems data, the models that allow researchers to “explain and predict.” In any case, there’s no escaping the power of systems biology and bioinformatics. Echoing Nielsen’s remark that systems methods and bioinformatics will become standard practice, Hlatky says, “It’s how we do biology now.”

Chris Tachibana is a science writer based in Seattle, USA, and Copenhagen, Denmark.

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The Virginia Bioinformatics Institute (VBI) at Virginia Tech (www.vbi.vt.edu) is a premier bioinformatics, computational biology, systems biology, and health IT research facility that uses transdisciplinary approaches to combine information technology, biology, and medicine. Research at the institute involves integration of diverse disciplines such as mathematics, computer science, general, synthetic, systems and micro-biology, medicine, plant, animal and human pathology, biochemistry, engineering, physics, statistics, economics, and other social sciences.

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Further information may be found under: www.vetmeduni.ac.at/professuren

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Applications are being accepted electronically through our Online Application System at [http://oas.rockefeller.edu](http://oas.rockefeller.edu). Applicants should follow the online application procedure.

The deadline for receipt of applications is **May 14, 2010**.

If you have questions regarding submitting an application, please contact our Administrator at [facultysearch@rockefeller.edu](mailto:facultysearch@rockefeller.edu).

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**Department of Pathology and Laboratory Medicine**

**Cancer Research Faculty Positions**

The Department of Pathology and Laboratory Medicine at Tulane University School of Medicine invites applications from outstanding scientists who are qualified for tenure-track or tenured faculty positions at the level of Assistant, Associate or Full Professor. Candidates should have Ph.D. M.D. or M.D./Ph.D. and will be expected to develop and maintain rigorous externally funded research programs in cancer biology, broadly defined, to complement the basic and translational research. Applicants should have substantial peer-reviewed publications that demonstrate research productivity and the ability to perform cutting edge research. Candidates for Assistant Professor should have adequate postdoctoral research experience and show good promise in developing independent research programs. Applicants for Associate or Full Professor should have substantial research productivity and history of grant support and academic service.

**Salary:** commensurate with the candidates’ experience and qualifications. Competitive startup fund provided. Starting date: negotiable. If interested: submit a current CV, research plan, and names of 3-5 potential referees via email ([jfloro@tulane.edu](mailto:jfloro@tulane.edu)) or regular mail to: Tong Wu, M.D., Ph.D., Professor and Chairman, Dept. of Pathology and Laboratory Medicine, Tulane University School of Medicine, 1430 Tulane Ave., SL-79, New Orleans, LA 70112.

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**TULANE UNIVERSITY SCHOOL OF MEDICINE**

**Department of Pathology and Laboratory Medicine**

**Cancer Research Faculty Positions**

The Department of Pathology and Laboratory Medicine at Tulane University School of Medicine invites applications from outstanding scientists who are qualified for tenure-track or tenured faculty positions at the level of Assistant, Associate or Full Professor. Candidates should have Ph.D. M.D. or M.D./Ph.D. and will be expected to develop and maintain rigorous externally funded research programs in cancer biology, broadly defined, to complement the basic and translational research. Applicants should have substantial peer-reviewed publications that demonstrate research productivity and the ability to perform cutting edge research. Candidates for Assistant Professor should have adequate postdoctoral research experience and show good promise in developing independent research programs. Applicants for Associate or Full Professor should have substantial research productivity and history of grant support and academic service.

**Salary:** commensurate with the candidates’ experience and qualifications. Competitive startup fund provided. Starting date: negotiable. If interested: submit a current CV, research plan, and names of 3-5 potential referees via email ([jfloro@tulane.edu](mailto:jfloro@tulane.edu)) or regular mail to: Tong Wu, M.D., Ph.D., Professor and Chairman, Dept. of Pathology and Laboratory Medicine, Tulane University School of Medicine, 1430 Tulane Ave., SL-79, New Orleans, LA 70112.

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**The Maddox Chairs in Energy at Texas Tech University**

The Edward E. Whitacre Jr. College of Engineering at Texas Tech University is committed to leveraging these **two exceptionally large endowed chairs at over $7 million each** to become one of the nation’s leaders in finding solutions to the world’s energy challenges. The college is seeking world-class researchers in solar and sustainable energy as candidates for the Maddox Chairs.

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The NIH invites applications from outstanding candidates to establish and direct an Induced Pluripotent Stem Cell (iPSC) Center in its Intramural Research Program. This new Center will be administered by the National Institute of Arthritis and Musculoskeletal and Skin Diseases. The successful candidate will hold a doctoral degree in a relevant field and be a recognized leader in the field of stem cell biology. S/he must have a strong track record in generating iPSCs and investigating their biology and potential therapeutic uses.

The Director will lead the newly established iPSC Center, the mission of which is to bring this exciting new technology to clinical reality within the NIH Intramural Research Program and the NIH Clinical Center. The Director will be expected to create a world-class research group that will catalyze new approaches and uses of iPSCs and differentiated cells derived from them, and/or cells trans-differentiated from somatic cells for the entire biomedical research community. The Center will collaborate with researchers to apply iPSC technologies to support their research endeavors, with a focus on the generation of clinical applications for iPSCs and/or trans-differentiated cells, and derivation of new disease-specific cell lines. The iPSC Center will promote the use of this technology and provide researchers with training to facilitate clinical development of iPSCs. The ideal candidate will be highly interactive and collaborative, and will actively engage members of the NIH intramural and the extramural research communities to identify and develop projects that have the prospect of moving to clinical trials within the NIH Clinical Center. The Director will have the opportunity to partner with the NIH Chemical Genomics Center to utilize small molecules and siRNA technologies to optimize the generation and differentiation of iPS cells. The Director will also be provided resources to direct an intramural laboratory to develop a vibrant research program in the area of stem cell biology and its clinical applications.

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Review of applications will begin on or about June 1, 2010, with applications being accepted until the position is filled.

Interested individuals should send a CV, a vision statement for directing the NIH iPSC Center, a statement of research interests and goals, and the names of up to five references to: Ms. Wanda White at wanda.white@nih.gov or mailed to the address below by May 31, 2010:

Bldg 31, Room 4C-12
31 Center Drive, MSC 2350
NIAMS - NIH
Bethesda, Maryland 20892-2350

DHHS and NIH are Equal Opportunity Employers.
Chief, Division of Endocrinology, Diabetes and Metabolism

The Department of Medicine at the University of Wisconsin School of Medicine and Public Health invites applications/nominations for the position of Chief of the Division of Endocrinology, Diabetes and Metabolism to direct and expand its research, educational and clinical activities.

The new Chief of Endocrinology will be an acknowledged academic scientist with demonstrated excellence as a clinician, educator and administrator with Endocrinology fellowship training. Candidates must demonstrate a record of scholarly achievements qualifying him/her for a tenured appointment at the University of Wisconsin.

To learn more about the UW Madison, please visit: http://www.wisc.edu/employment/madison.php

Please apply with a CV to: sa@medicine.wisc.edu

Sanjay Asthana, MD, Head of Search Committee
Department of Medicine, School of Medicine and Public Health
2870 University Avenue Suite #106
Madison, WI 53705

The University of Texas is an Equal Opportunity Employer and is committed to a No-Smoking Policy

PROFESSOR AND CHAIR OF MICROBIOLOGY AND MOLECULAR GENETICS

The University of Texas Medical School at Houston is seeking applications and nominations for the position of Professor and Chair of the Department of Microbiology and Molecular Genetics. The successful candidate will be an internationally recognized, outstanding scientist with demonstrated success in research, teaching, graduate training and service to the academic community. The Department of Microbiology and Molecular Genetics (http://mmg.uth.tmc.edu) is one of 24 Departments and 23 Centers in the Medical School, which has $120 million in research expenditures. The Department has major research programs in prokaryotic and eukaryotic microbial molecular biology, genetics, pathogenesis, cell signaling and cellular interactions. The new Chair will be provided with resources to recruit additional faculty in order to grow the department, and implement his/her vision for the future of Microbiology within The University of Texas Health Science Center at Houston. The Medical School is located within the Texas Medical Center, which includes the UT Health Science Center at Houston, Baylor College of Medicine and UT M. D. Anderson Cancer Center.

Applications should include a letter of interest, a Curriculum vitae, a bibliography and the names of at least three references and should be sent by email to: msip_applicants@uth.tmc.edu or addressed to Dr. John F. Hancock, Chair of the MMG Search Committee, University of Texas Medical School at Houston, P.O. Box 20708, Houston, TX 77225.

The University of Texas is an Equal Opportunity Employer and encourages applications from women and minorities.
Tenure track faculty positions in Immunology

The Mount Sinai Immunology Institute is seeking outstanding scientists to develop rigorous independent research programs in basic or translational immunology. Applicants whose programs address inflammatory bowel disease, mucosal immunity, bacterial-epithelial interactions, and intravital imaging are encouraged to apply. The Immunology Institute is a diverse, interactive group interested in basic and translational immunology and mechanisms of immune-mediated diseases, www.iis Sinai.org. Applicants may have MD, PhD or MD/PhD degrees and may be appointed at the Assistant, Associate or Full Professor levels, at Mount Sinai School of Medicine with a generous start-up package.

Applicants should submit a CV, research plan and the names of three references to Immunology Institute Faculty Search Committee, email: Zaida.Newman@mssm.edu. Review of applications will begin April 30, 2010.

New Faculty Position - Neuroscience Berlin

The Charité - Universitätsmedizin Berlin/Medical School of the Freie Universität Berlin and the Humboldt-Universität zu Berlin invites applications for a new faculty position (W3 full professor). This is part of an ambitious recruitment effort aiming to expand and diversify the Berlin interdisciplinary neuroscience community within the Cluster of Excellence ‘NeuroCure’.

Of particular interest are neuroscientists with broad expertise in neuroanatomy and cell biology. Researchers with a specific interest in mechanisms of neuronal damage, endogenous neuroprotection, regeneration, interaction of the nervous system with the immune system, as well as neurodevelopmental/developmental disorders and mechanisms of neuronal plasticity will allow us to further complement our interdisciplinary network.

Demonstrated excellence in research, rather than specific research area, is the focus for evaluation of applications; hence, the primary criteria for appointment will be outstanding records of innovative research and academic performance, including landmark papers in leading journals, and the potential for establishing a rigorous and innovative independent research program with fruitful collaborations and inspiring mentorship.

The successful candidate will be involved in basic research training for medical students, and in mentoring graduate students with a strong interest in basic science and translational research. In addition, we maintain a highly regarded MD/PhD program. Further, state-of-the-art genomics, proteomics, and neuroimaging facilities, as well as extensive dedicated animal housing are available to all members of the neuroscience community. The successful applicant will be expected to develop and maintain an externally funded research program and to teach at the undergraduate and graduate levels. Preference will be given to individuals whose interests are synergistic with ongoing research programs in the Cluster.

The Charité is an equal opportunity employer, committed to the advancement of individuals without regard to ethnicity, religion, sex, age, disability or any other protected status.

Please send a curriculum vitae and a description of achievements and research interests (see: http://www.charite.de/en/charite/organization/careers/employment_market/internship/) to:

Dean Prof. Dr. Grüters-Kieslich
Charité – Universitätsmedizin Berlin
Charitéplatz 1, 10117 Berlin, Germany
e-mail: neurocure@charite.de

The search will continue until the position is filled. To ensure full consideration, applications should be received by 25.04.2010. The electronic submission of your documents is encouraged. For additional information on research programs and facilities, see www.neurocure.de.

The successful candidate will join an interactive group of investigators in state-of-the-art research facilities at the Charité Campus Berlin Mitte.
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Faculty Positions in Nuclear Receptors and Cell Signaling at the University of Houston

The new Center for Nuclear Receptors and Cell Signaling (directed by Professor Jan-Ake Gustafsson), at the Department of Biology and Biochemistry at the University of Houston, continues to recruit faculty. Ultimately, the Center will be comprised of twelve tenured and tenure-track faculty with distinct but complementary research interests surrounding nuclear receptors and cell signaling. The remaining five positions will be filled within 1 – 2 years.

The scientific environment at the University of Houston is excellent, especially in areas such as neurobiology, cell signaling, biological model systems and computational life sciences, and we envision that our new Center will continue to develop multiple areas of basic life sciences as well as its applications. In addition, the Center is geographically located in a new space close to numerous academic institutions and hospitals in the Texas Medical Center. We invite applications for tenured or tenure-track faculty at all levels, especially in the areas of neurobiology of nuclear receptors, structural biochemistry of nuclear receptors, nuclear receptors and the immune system, and nuclear receptors and cancer but will also consider outstanding productive investigators working in other areas that are relevant to the goals of the Center.

The successful applicants will also complement existing departmental strengths in neuroscience, developmental biology, cell and molecular biology, and the mechanisms of transcriptional regulation. We are especially interested in recruiting middle level and senior level faculty with active externally funded research programs. The positions require a Ph.D and postdoctoral experience in appropriate areas of life sciences. Faculty in the Center are expected to develop and/or maintain nationally competitive externally funded research programs and to participate in graduate and undergraduate teaching. The Department and the Center have spacious new laboratory space, well-equipped core facilities, and encourage research collaborations. Submit curriculum vitae, a research plan, and the names of three references sent electronically as a single file to: cesignaling@uh.edu. Applications will be reviewed as they are received.

UH is an Equal Opportunity/Affirmative Action Employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply.

ASSISTANT PROFESSOR (UTL)

Stanford Center for Sleep Sciences and Medicine Psychiatry and Behavioral Sciences

The Stanford Center for Sleep Sciences and Medicine and Department of Psychiatry and Behavioral Sciences are searching for a researcher focusing on the genetics of sleep or sleep disorders, to be appointed at the Assistant Professor level in the University Tenure Line (UTL). The overriding requirement for faculty appointment, reappointment and promotion within the UTL must be the promise of distinguished performance. There should be a major commitment to research and teaching. There must be outstanding accomplishments in research and excellent overall performance in teaching, as well as in clinical care and institutional service appropriate to the programmatic need the individual is expected to fulfill. The Stanford University School of Medicine is one of the nation’s leading academic and research institutions.

We seek an outstanding geneticist, neuroscientist, clinician, and/or molecular biologist that use state-of-the-art genetic approaches to study the neurobiology and genetics of sleep and sleep disorders. Secondary departmental affiliations are flexible and will be tailored for the successful candidate. Applicants must have a medical degree or equivalent degree; or a Doctor of Philosophy or equivalent degree. Candidates should have significant research training and a demonstrated track record in empirical research.

Interested candidates are encouraged to apply for this position by submitting a curriculum vitae, a statement of research interests and 3 reference letters to: Emmanuel Mignot, M.D., Ph.D., 701B Welch Road, First Floor, Palo Alto, CA 94304 with electronic copy of the letter and curriculum vitae to: jek@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.
10 Ways to Improve Your Chances of Securing Research Funding

There are many approaches to securing funding, but not all are effective. That’s why the American Association for the Advancement of Science is committed to offering its members a variety of resources to help them locate the money they need—including an ongoing analysis of R&D budgets and funding, and an extensive directory of funding opportunities. Join us. Together we can make a difference. aaas.org/plusyou

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**POSITIONS OPEN**

**FACULTY POSITIONS IN TRANSLATIONAL NEUROSCIENCE**
The Sanders-Brown Center on Aging at the University of Kentucky invites applications for two tenure-track faculty positions at the ASSISTANT or ASSOCIATE PROFESSOR level in the area of translational neuroscience. Basic or clinical research programs that focus on early mechanisms underlying neurodegenerative disorders, identification of novel drug targets, or development of mammalian preclinical animal models of central nervous system disorders are of special interest. A Ph.D., M.D., or M.D.-Ph.D. degree with relevant postdoctoral experience is required. To apply, electronically submit a single PDF file that includes a complete curriculum vitae, a brief statement describing your area of expertise and career goals, research plans, and contact information of at least three references to e-mail: rs.sbcoafacrch@email.uky.edu. Evaluation of applicants begins in May 2010.

The University of Kentucky is an Equal Opportunity Employer.

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**POSITIONS OPEN**

**PROGRAM ASSOCIATE POSITION, DEEP CARBON OBSERVATORY**
Carnegie Institution of Washington

The Deep Carbon Observatory (DCO) is an international, multidisciplinary, decade-long effort dedicated to achieving a transformational understanding of carbon’s chemical and biological roles in Earth’s interior. The research of the DCO is organized around three Science Directorates: Deep Carbon Reservoirs and Fluxes, Deep Life, and Energy, Environment and Climate. The DCO Secretariat, located at the Carnegie Institution of Washington’s Geophysical Laboratory, plays a central role in coordinating the efforts of an international community to identify scientific needs and opportunities in deep carbon science. The Secretariat is engaged in fund raising from industrial, governmental, and foundation sources; outreach to the scientific community through the sponsorship and organization of workshops, international meetings, and conferences; and public education and outreach related to deep carbon science. The Secretariat is supported with a grant from the Alfred P. Sloan Foundation.

The DCO Program Associate, a full-time position, will provide both scientific and administrative assistance with the organization of workshops, calls for proposals, fellowship applications, and engagement in fund raising from industrial, governmental, and foundation sources. The Program Associate will report to the Program Director, who is responsible for the day-to-day operations of the Secretariat. The ideal candidate would have experience as a postdoctoral scientist, although candidates with a Ph.D. or Master’s degree in the geosciences, physical sciences, materials sciences, or biological sciences with significant experience would also be considered. In addition to interactions with researchers from around the world, duties will include writing and editing materials for the website, meeting minutes, DCO reports and proposals, and beginning to develop education and outreach components for the DCO. Excellent interpersonal skills, writing, and organizational skills are essential. The position will require periodic travel. Salary level is competitive and will be based on the qualifications of the candidate.

Completed applications (including resume and contact information for two references) should be submitted electronically to Lauren Cryan, e-mail: lcyran@ciw.wustl.edu indicating “Program Associate for Deep Carbon Observatory” in the subject line.

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**POSITIONS OPEN**

**RESEARCH SCIENTIST**
Carnegie Institution of Washington

The DCO and its basic research faculty in the area of virology. The Department is internationally recognized for its strength in virology and hosts nine faculty members whose primary research is in virology from among a faculty of 23. The successful candidate will build upon these existing strengths in virology and have opportunities for strong, multidisciplinary collaborations with other virologists in the Genomics Institute, cancer center, and the newly established Emerging Pathogens Institute. Those with research interests in the areas of molecular virology, viral pathogenesis, or viral immunology are encouraged to apply. BLI-1 and ABSL-3 facilities and a wide range of excellent biotechnology core facilities are currently available within the Health Sciences Center.

The successful candidate will have a Ph.D., M.D., or M.D.-Ph.D. degree and at least three years of postdoctoral experience. This is a full-time, 12-month, tenure-track faculty appointment at the rank of Assistant Professor and includes a competitive startup package and salary and excellent laboratory space. The salary and startup funds are negotiable and will be commensurate with experience and needs.

Applicants should provide a letter of application, curriculum vitae, and the names of three references to: David C. Bloom, Ph.D., Chair of the Search Committee, University of Florida, P.O. Box 100266, Gainesville, FL 32610-0266. Or by e-mail: virologistssearch@mgm.ufl.edu. Applicants should also apply online at website: https://jobs.ufl.edu, referencing requisition number 084466. The review of applicants will begin on May 1, 2010, and will continue until the position is filled.

The University of Florida is an Equal Opportunity Institution dedicated to building a broadly diverse and inclusive faculty and staff. Minorities, women, and those from other underrepresented groups are encouraged to apply.

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**POSITIONS OPEN**

**ASSOCIATE PROFESSOR OF VIROLOGY**
Department of Molecular Genetics and Microbiology
University of Florida College of Medicine

The Department of Molecular Genetics and Microbiology in the College of Medicine is seeking to expand its basic research faculty in the area of virology. The successful candidate will build upon these existing strengths in virology and have opportunities for strong, multidisciplinary collaborations with other virologists in the Genetics Institute, cancer center, and the newly established Emerging Pathogens Institute. Those with research interests in the areas of molecular virology, viral pathogenesis, or viral immunology are encouraged to apply. BLI-1 and ABSL-3 facilities and a wide range of excellent biotechnology core facilities are currently available within the Health Sciences Center.

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