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SCIENTIST LAWYERS
TEST TUBES TO BRIEFS

Increasingly job ads like the one to the right are targeting scientists in a broad range of fields, especially engineering, chemistry, and biotechnology. From newly minted Ph.D.s to established faculty, scientists are joining the ranks of patent agents, patent examiners, and technology transfer specialists—all careers that do not require law degrees. Those willing to go back to school to study law will have access to a wider range of opportunities, not to mention higher salaries. What these individuals bring to their jobs are strong analytical skills and an understanding of complex technologies and their applications. By Laura Bonetta

In the United States, scientists can join law firms fresh out of graduate school. Then, while helping with patent applications and other tasks, they typically prepare to pass an exam by the US Patent and Trademark Office (USPTO), which allows them to become patent agents.

James Dilmore went this route six years ago, when he joined the Pittsburgh-based international law firm Reed Smith. “I had found scientific research exciting but also very frustrating,” says Dilmore, who obtained his Ph.D. in neuroscience. “I also wanted a position with a bit more stability than a series of postdocs.”

By chance, the wife of one of his thesis committee members was getting ready to leave her post at a local law firm. She introduced Dilmore to her boss. “I did not have aspirations to go into law, but the job appealed to me,” says Dilmore. He started as a technical adviser at Reed Smith in February 2001 and passed the patent exam in April 2002.

As a patent agent, Dilmore is responsible for filing patent applications on behalf of several clients. He also spends a good part of his workday advising attorneys at Reed Smith involved in litigation cases. “One of the roles I see myself filling is to ensure that lawyers do not press scientific arguments so far that the science is no longer accurate,” says Dilmore. “I can recognize scientific weaknesses on either side of the argument.”

And as litigations often require the testimony of renowned scientists as expert witnesses Dilmore is often asked to act as “translator.” “It is part of my job to explain to scientists what is important legally,” he explains. “On the other side, I help the attorneys understand what is going on with the science.”

Second Degree

While it is possible to remain a patent agent, or even a technology specialist, within a law firm, a law degree is needed for career advancement. In the United States doing things like filing appeals from the USPTO to courts, negotiating licenses to use patented technology, or suing those who breach contracts requires a law degree.

Patricia Granahan started working toward a Juris Doctor (J.D.) degree right after completing her Sc.D. at the Harvard School of Public Health. “From the time I was in high school, I knew I wanted to combine an advanced degree in science with a law or business degree,” she recalls. “I didn’t necessarily know what I’d do with the combination.”

The timing turned out to be perfect. In 1980, while Granahan was in law school, Ananda Chakrabarty was awarded a US patent for genetically engineered Pseudomonas he created while working for General Electric Company. The landmark case, which allowed for the first time the patenting of a living organism, paved the way for a flurry of biotechnology patents.

Granahan, who was initially hired as a part-time scientific consultant by a firm in the Boston area, soon had “more work in biotechnology patents than I could do,” she recalls. Indeed the field of biotechnology patent law quickly grew, along with the demand for lawyers with advanced degrees in biology and medicine. continued »
Opportunities are endless for those who want to make an impact on the discovery of new ways to make a difference to the millions suffering from cardiovascular diseases.

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“This is a career that gives you a chance to really thrive. It’s not a practice where you’ll ever be able to say, ‘Now I know everything.’”
—Patricia Granahan

Granahan stayed with the same firm for 16 years, moving up the ranks while raising her two children. After working as an in-house lawyer at the newly established Whitehead Institute for Biomedical Research and as a partner in a Boston firm, in 2006 Granahan joined Wolf, Greenfield & Sacks, PC, where she is currently a shareholder.

Twenty-five years after starting her career in patent law, she still really enjoys what she does. “The biotech aspect of patent law has changed tremendously since I started in practice and the rules of practice have changed just as significantly. We have to keep up with changes in both the science and the law,” she says. “This is a career that gives you a chance to really thrive. It’s not a practice where you’ll ever be able to say, ‘Now I know everything.’”

**Balancing School and Work**

Unlike Granahan, Karen Brown obtained her law degree on the job. After completing a postdoc at the National Institutes of Health in the field of cell biology, Brown decided to test the waters as a patent examiner with the USPTO in Alexandria, Virginia. “I thought that if I liked it at the USPTO, it would give me an entry into patent law. If I hated it, I could go back to the bench,” she recalls.

But she liked it, and three years later she started applying to law firms. One of the things she was looking for was a firm with a patent agent program in place, where the firm would pay for employees to attend law school.

In April 1998, she moved to Fish & Neave in New York City and started law school the same year, graduating four years later. “I worked all day and went to school at night,” she explains. “It was brutal. I was feeling that I was behind in every aspect of my life.”

After working as an associate at Fish & Neave and then in-house at a large pharmaceutical company, three years ago Brown got a position as an in-house attorney with the biotech company Vertex Pharmaceuticals in Cambridge, Massachusetts. “At the firm I was dealing with a wide variety of technologies. Now my focus is narrower but I am involved more deeply,” she explains. “With every patent application, I have to consider how it fits into the intellectual property strategy of the company.”

Another difference is that she does not have to worry about billing a certain number of hours each week, the typical way law firms keep track of their lawyers’ accomplishments. “With two young children I did not want to be billing 60 hours a week,” says Brown. “There are times when I take work home or work on weekends, but I try hard not to do that.”

**Wide Range of Opportunities**

Erich Veitenheimer also used the USPTO as a stepping-stone to a career in patent law. A senior corn breeder with DeKalb Genetics International, he was alerted by a colleague to an ad for a job with the USPTO for a patent examiner with knowledge of plant biotechnology. “It sounded fascinating,” says Veitenheimer, who was offered the job during his initial phone call inquiring about the post.

After being at the USPTO for two years Veitenheimer started attending Georgetown University Law Center in the evenings, with the USPTO helping to pay the tuition fees. “It was a tremendously long day but the stimulation was worth it,” he says. “Walking into my classes I felt my brain cells tingling.”

When two years later the USPTO changed its policy and reduced the amount it would pay for its examiners to attend law school, Veitenheimer became a patent agent with a mid-size patent firm in Virginia willing to support his studies. He subsequently moved to a smaller firm and then a large international firm, where he progressed all the way to partner. In 2005, he became a partner in the Washington, D.C., office of Cooley Godward Kronish, LLP, a national technology firm that serves primarily small to mid-size biotech companies.

Veitenheimer says patent law allows scientists to stay close to the science on topics ranging from stem cells, to cancer and HIV drugs, to RNA interference. “The range of topics is tremendous,” says Veitenheimer. “You get to know the work intimately.”

And the opportunities go beyond patent law. “About half of our lawyers do pro bono work, but not in intellectual property law,” says Veitenheimer. “They come back to the firm after being in front of a judge in, for example, an immigration case and they are very excited and energized.”

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**Boston University**
www.bu.edu

**Cooley Godward Kronish, LLP**
www.cooley.com

**DeKalb Genetics International**
www.asgrowanddekalb.com

**Fish & Neave**
(now Ropes & Gray LLP)
www.ropesgray.com

**Frank B. Dehn & Co.**
www.frankbdehn.com

**General Electric Company**
www.ge.com

**Georgetown University**
Law Center
www.law.georgetown.edu

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www.hsph.harvard.edu

**National Cancer Institute/NIH**
www.nci.nih.gov

**Reed Smith, LLP**
www.reedsmith.com

**USPTO**
www.uspto.gov

**Vertex Pharmaceuticals**
www.vpharm.com

**Warwick University, UK**
www.warwick.ac.uk

**Whitehead Institute for Biomedical Research**
www.wi.mit.edu

**Wolf, Greenfield & Sacks**
www.wgslaw.com

**Additional online resources**

- American Intellectual Property Law Association
  www.aipla.org
- European Patent Office
  www.epo.org/about-us.html
- UK Intellectual Property Office
  www.ipo.gov.uk/patent
- US Patent and Trademark Office
  www.uspto.gov

**Law-specific job sites**

- www.insidecareers.co.uk
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- www.intelproplaw.com/Jobs.shtml
Patent Law in Europe
Scientists are also in high demand in law firms outside the United States. While working toward a Ph.D. at Warwick University in the UK, Philip Webber attended a course meant to teach chemical patent attorneys about biotechnology. “I did not know anything about patent law at that time. It was purely fortuitous that my university was running these kinds of courses and that I attended one of them,” he recalls.

The course sparked an interest in the subject. Webber, who had already decided he did not want to continue with bench research, started sending out applications to several law firms. He was hired by the London-based Frank B. Dehn & Co. in the spring of 1992.

A year after joining his firm, Webber passed a set of exams, called “foundation papers,” which test understanding of basic concepts such as patents, trademarks, and copyright. He then passed two additional sets of longer and more challenging exams that qualified him to practice patent law within the British and European patent offices.

However, because UK patent attorneys, unlike their American counterparts, do not have law degrees, they have limited rights to go in front of a judge to handle, for example, patent litigation. Such cases are generally handled by solicitors and barristers, who are less likely to have formal scientific training. British intellectual property solicitors typically practice in all areas of technology with biotech being only a small portion of it.

Regardless of the country of practice, a career in patent law requires good analytical and communication skills. “The ability to write clearly and concisely is paramount,” says Webber. “Often we give job applicants a test where they are given something simple like a desk staple remover and told to describe it in everyday language.”

Another important skill is to keep all the balls in the air at the same time. “At any one time I have 50 or so patent applications going through the exam process. A lot of the deadlines are set in stone. And I am bombarded with e-mails from clients all the time,” says Webber. “You have to be a very organized person and to be able to constantly reprioritize.”

Good people skills are also helpful as patent agents and attorneys deal with a variety of people on a daily basis, from scientists to business executives, and patent examiners to other lawyers.

Related Careers
Patent law is not the only career available to scientists interested in intellectual property issues. Some scientists land jobs at the patent office and review patent applications for a living. Others find satisfying careers as technology transfer officers at universities or research institutes. Sean Lee joined the tech transfer office at Boston University after having worked at two startup companies. “There is so much going on in technology transfer,” says Lee. “For me it was like a kid walking into a candy store.”

Lee is the first point of contact for physical scientists who have made a discovery that may have commercial value. “In technology transfer you need to look at the world a bit differently than when you are doing research,” says Lee. “You don’t want to ask what is most interesting, but rather who really cares about this and is going to pay for it.”

Lee’s experience is not unlike that of Lisa Finkelstein, who joined the technology transfer office at the National Cancer Institute (NCI) of the US National Institutes of Health (NIH) in September 2005. She acts as a conduit for scientists at several NCI labs to assist with submitting internal paperwork on inventions. “Anyone at NCI can contact our office for guidance and advice on potentially patentable new discoveries,” she says. She also drafts material transfer and collaboration agreements for the labs on her docket.

Some of her colleagues moved on to technology transfer offices in universities or were hired by pharmaceutical companies or law firms. “Once you get the training here, you are pretty much set for wherever you want to go,” she says. “There are a lot of options.”

Regardless of the path they take, scientists who have pursued intellectual property law as a career say it nourishes their love for science. “It is a great fit for people who enjoy science and want to have the ability to read about it, talk about it, and be involved in it, but without actually doing it,” says Finkelstein.

Finding a Job in Patent Law
Although scientists are in high demand in law firms, the competition for a job is stiff. An ad typically gets 100 to 200 applications. For applicants to stand out, it is important that they have not only good scientific credentials, but also a demonstrated interest in intellectual property.

Scientists who have become patent agents and attorneys advise postdocs and students interested in a career in patent law to take a look at some patent applications; these are freely downloadable from patent office websites. In addition, they should take advantage of courses in intellectual property law being offered at many universities. Some technology transfer offices at universities also offer internships or volunteer work. Finally, many major cities have an intellectual property association that provides opportunities for networking.

Laura Bonetta is a freelance writer based in the Washington, D.C., area.

DOI: 10.1126/science.opms.r0800048

www.sciencecareers.org/businessfeatures
Post Doctoral Research Position:
Anthropogenic Climate Change

The Program in Science, Technology, and Environmental Policy at the Woodrow Wilson School of Public and International Affairs at Princeton University invites applications for post-doctoral Research Associates for research on anthropogenic climate change under the direction of Professor Michael Oppenheimer. General areas of interest include impacts and vulnerability of human and natural systems, and domestic and international policy frameworks aimed at fostering greenhouse gas emission mitigation and adaptation.

Recent research in this program has focused on: the vulnerability of coral reefs, the nitrogen cycle and its response to climate variability and change, the behavior of earth’s ice sheets and sea level at earlier times and implications for the future, the impacts of sea level rise on the coastal zone, the human responses to climate impacts including migration, the application of climate modeling to the foregoing problems, energy policy including the appropriate role for bio-fuels, the role of uncertainty and learning in decision making on problems of global change, and various aspects of emissions trading. This research is motivated by an interest in climate policy on all time scales and particularly, the means to implement Article 2 of the UNFCCC (“avoiding dangerous anthropogenic interference with the climate system”).

Applicants should have a strong background in one or more of the areas above and an interest in attacking problems from a multidisciplinary perspective, including the exploration of implications for public policy. Research is often carried out in collaboration with natural and social scientists in the Woodrow Wilson School, as well as Princeton’s Department of Geosciences, the Atmosphere and Ocean Sciences Program, the Department of Ecology and Evolutionary Biology, and NOAA’s Geophysical Fluid Dynamics Laboratory.

The initial appointment will be for one year, with the possibility of renewal.

Post Doctoral Research Position:
Climate Change, Land Use, and Biodiversity in South Africa

Human responses to climate change could affect biodiversity more severely than changes in climate variables per se. The Program in Science, Technology, and Environmental Policy at the Woodrow Wilson School of Public and International Affairs at Princeton University invites applications for a post-doctoral Research Associate to help examine the impacts of human adaptation to climate change on vulnerable ecosystems and species that may or may not themselves suffer direct climate change impacts. The successful candidate will work with Professors David Wilcove and Michael Oppenheimer, in collaboration with Conservation International, to model how changes in agricultural and ranching practices due to climate change will affect biodiversity in South Africa. Results of this study may inform land use policy in a region of extraordinary biodiversity facing substantial change in climate.

Applicants should have a strong background in modeling the responses of either flora and fauna or agriculture to climate change. In addition, they should be interested in attacking problems from a multidisciplinary perspective, working with a diverse team of scientists and practitioners, and exploring policy implications.

The initial appointment is for one year with the possibility of renewal. The successful candidate will be based primarily at Princeton, but must be willing to travel to South Africa as needed.

The Postdoctoral Research Associate’s positions are open to all regardless of citizenship, but require a recently completed doctorate in a relevant area of environmental science and do not support work towards the completion of a degree. The research associate positions will be eligible for salary and full employee benefits in accordance with Princeton University guidelines.

Applicants should send a CV and a cover letter describing their areas of expertise and interest via email to Charles Crosby at crosoby@princeton.edu. The application deadline for these positions is April 10, 2008.

For more information about completing the “Invitation to Self-Identify” form, please link to: http://web.princeton.edu/sites/dof/ApplicantsInfo.htm. Providing the self-identification information is completely voluntary and declining to submit the information will not adversely affect your candidacy.

The University of Arizona College of Medicine-Phoenix in partnership with Arizona State University

The Department of Basic Medical Sciences, composed of an interdisciplinary group of scientists, is an expansion of the University of Arizona College of Medicine in downtown Phoenix. The department is located in a new state-of-the-art research building with excellent core facilities. The College of Medicine-Phoenix is a catalyst for academic excellence and economic growth in the region. The environment fosters collaborations with institutions such as Translational Genomics Research Institute (TGen), Arizona Cancer Center - an NCI-designated comprehensive cancer center, St. Joseph’s Hospital/Barrow Neurological Institute and Mayo Clinic Scottsdale.

Highly motivated individuals are sought to contribute to this phase of active growth. Applications are invited for postdoctoral research associate positions in the following laboratories (expertise in the indicated areas preferred):
• Dr. Paul Boehmer: Mechanisms of herpes simplex virus replication and recombination (molecular biology, virology)
• Dr. Amelia Gallitano-Mendel: The role of immediate early genes in neuropsychiatric illnesses (molecular biology, neuroscience, psychiatric genetics)
• Dr. Sourav Ghosh: Regulation of cell polarity signaling in development and disease (embryonic stem cells, mouse models, developmental and cancer biology)
• Dr. Rayna Gonzales: Modulation of androgens on cerebrovascular function and inflammation (physiology, pharmacology)
• Dr. Karen Taraszka Hastings: Antigen presentation in melanoma (immunology, cancer biology, vaccinia virus)

We offer competitive salaries and benefits including health insurance and retirement. To apply, please submit a cover letter indicating the laboratory of your choice and summary of research experience, CV and a list of three individuals that may be contacted for references at https://uacareertrack.com Job Number: 40202.

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

The University of Arizona is an EEO/AA - M/W/D/V Employer.
**The University of Alabama at Birmingham (UAB)** is one of the premier research universities in the US with internationally recognized programs in AIDS and bacterial pathogenesis, bone biology and disease, cancer, diabetes and digestive and kidney diseases, free radical biology, immunology, lung disease, neuroscience, trauma and inflammation, and basic and clinical vision science among others. UAB is committed to the development of outstanding postdoctoral scientists and has been consistently ranked in recent years as one of the top 10 locations among US universities for training postdoctoral scholars.

UAB is recruiting candidates for postdoctoral positions in a variety of research areas. UAB faculty are well funded (20th in 2005 NIH funding), utilize multidisciplinary approaches, and provide excellent research training environments that can lead exceptional candidates to entry level positions in academia, government or the private sector. Full medical coverage (single or family), competitive salaries/stipends, sick leave, vacation, and maternity/paternity leave are offered with every position. Depending on the source of funding, other benefits may be available.

Birmingham is a mid-size city centrally located in the southeast near beaches and mountains and enjoys a moderate climate for year round outdoor activities and a cost of living rate lower than most metropolitan areas.

Visit our web site at [www.postdocs.uab.edu](http://www.postdocs.uab.edu), under Postdoctoral Opportunities to view posted positions. Send your CV and cover letter to the contact name for those positions for which you are qualified and which interest you. University of Alabama at Birmingham, Office of Postdoctoral Education, 205-975-7020.

**UAB is an Equal Employment Opportunity Employer.**

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**The Weizmann Institute of Science** will award a limited number of

**Distinguished Postdoctoral Fellowships known as Koshland Scholars**

The fellowships are available in all the fields of scientific research that are pursued at the Weizmann Institute of Science:

**Biology, Biochemistry, Physics Chemistry, Mathematics Computer Science**

All courses and seminars at the Institute are conducted in English.

Applications may be submitted at any time, but the awards will be made shortly after the usual deadlines for the submission of Fellowship applications:

**January 5 and May 15 of each year**

Candidates for Koshland Fellowships must be sponsored by a Faculty Member of the Weizmann Institute.

Interested candidates are advised to contact prospective sponsors directly.

For additional information and application forms, please consult the Feinberg Graduate School Home Page at:

[http://www.weizmann.ac.il/feinberg](http://www.weizmann.ac.il/feinberg)

or, write to:

mailto:postdoc@weizmann.ac.il

The Weizmann Institute of Science also invites outstanding Ph.D. students at universities abroad who are nearing graduation (or who have recently completed their Ph.D. studies) to visit the Institute for a few days, meet its scientists, explore postdoctoral research opportunities, and experience its warm and relaxed atmosphere. A limited number of such visits are subsidized by the Institute on a competitive basis. Those who are invited are under no obligation to the Institute to assume postdoctoral studies at the Institute. For more details see:

[http://www.weizmann.ac.il/feinberg/student_visit](http://www.weizmann.ac.il/feinberg/student_visit)
POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL ASSOCIATE - RESEARCH MOLECULAR BIOLOGIST (PLANTS)/CHEMIST (BIOCHEMISTRY)

The United States Department of Agriculture, Agricultural Research Service, Chemistry Research Unit, Center for Medical, Agricultural, and Veterinary Entomology, Gainesville, Florida, is seeking a Postdoctoral Research Associate (Research Molecular Biologist/Plant/Chemist/Biochemist). The position is a two-year appointment. Salary commensurate with experience ($34,494 to $70,843 per annum) plus benefits. Citizenship restrictions apply. The incumbent will study plant-insect interactions and the molecular basis for plant recognition of insect pest attack. This position provides a unique opportunity for investigating the biochemical factors, insect-associated ligands, and plant receptors that mediate specific induced defense responses to insect herbivory. In addition to basic educational requirements, applicants must demonstrate knowledge and skills in plant protein biochemistry and modern molecular biology techniques. The goal of the research is to design and develop new, effective, environmentally acceptable technologies for managing insect pests of agriculture. Refer to website: http://www.ars.usda.gov/careers for the full text announcement (RA-08-0521) and for complete application instructions. Send application materials and references to Dr. Eric A. Schmelz, United States Department of Agriculture, Agricultural Research Service, Chemistry Research Unit, CMAVE, 1700 S.W. 293rd Drive, Gainesville, FL 32608 or e-mail: eric.schmelz@ars.usda.gov. USDA is an Equal Opportunity Provider and Employer.

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITIONS

Neuroscience at Brown University

Openings are available immediately for Postdoctoral training in neuroscience at Brown University. Support for these positions comes from an interdepartmental postdoctoral training grant from the National Institute of Mental Health (NIMH). Eligibility is restricted to U.S. citizens and permanent residents with no more than two years of prior postdoctoral support from federally funded postdoctoral training grants or individual fellowships. Priority will be given to candidates who are beginning or have only recently begun their postdoctoral training.

Brown University is a vibrant and exciting environment for postdoctoral study in the neurosciences, with a collegial and highly interactive group of world-class, interdisciplinary laboratories. Opportunities cover the spectrum from molecular and cellular neurobiology through systems to cognitive, computational, and clinical neuroscience. Most investigators have laboratory space in a stunning new building (website: http://www.brown.edu/Admissions/News_Bureau/2006-07/06-030.html). For more information regarding these open positions, please visit website: http://neuroscience.brown.edu/postdoc.

Interested applicants should send a letter, curriculum vitae, and at least three letters of recommendation to:

Dr. David Berson, Director
National Institute of Mental Health Postdoctoral Training Grant
Department of Neuroscience, Box G-LN 1275
Brown University
Providence, RI 02912
E-mail: david.berson@brown.edu

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITION at BRIGHAM and WOMEN’S HOSPITAL/ HARVARD MEDICAL SCHOOL

A position is available to pursue phenotypic screening, positional cloning, developmental analysis and functional characterization of N-ethyl-N-nitrosourea induced mouse mutations affecting organogenesis and brain development. Molecular biology experience necessary; genetics, neurobiology, or developmental biology background preferred; English oral and written ability necessary. Please forward curriculum vitae and the names and addresses of three references to:

David R. Beier, M.D., Ph.D.
c/o Suzanne Petton
Brigham and Women’s Hospital Genetics Division/ Harvard Medical School
77 Avon Louis Pasteur
Boston, MA 02115
Fax: 617-525-4705
E-mail: spetton5@partners.org

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL ASSOCIATE

Research topic: the mechanism of pathologic calcification in pediatric rheumatic disease. Ph.D. and/or M.D. in immunology, genetics, cell or bone biology with experience in animal models, molecular biology, tissue culture techniques. Excellent interpersonal and English language skills. Reply to: Marianne E. Reed, Children’s Memorial Research Center, Chicago, Illinois (affiliated with Northwestern’s Feinberg School of Medicine). E-mail: merced@childrensmemorial.org.

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITIONS IN MICROSCOPIC IMAGING OF CARTILAGE

NIH-funded positions are available to study articular cartilage using multidisciplinary imaging techniques (MRI, polarized light microscopy, Fourier transform infrared imaging) and biomechanics. More information at website: http://www.oakland.edu/~xia. Inquire to Prof. Yang Xia (e-mail: xia@oakland.edu), Department of Biology and Chemistry, Oakland University.

POSTDOCTORAL TRAINING

Molecular Imaging of Cancer

Stanford Molecular Imaging Scholars Program
Stanford University, Stanford, California, U.S.A.
PI: Sanjiv Sam Gambhir, M.D., Ph.D.

The Stanford Molecular Imaging Scholars (SMIS) Program is a diverse training program bringing together more than 13 departments, predominantly from the Stanford Schools of Medicine and Engineering, in order to train the next generation of interdisciplinary leaders in molecular imaging. Oncologic molecular imaging is a rapidly growing area within molecular imaging which combines the disciplines of chemistry, cell/molecular biology, molecular pharmacology, bioengineering, imaging sciences, and clinical medicine (advocacy, policy, and reimbursement). SMIS fellows will conduct innovative research in cancer imaging under the supervision of two faculty mentors from complementary fields, in a comprehensive, integrated, flexible program (up to three years). Funding is available for stipend, supplies, and travel.

Application deadline: May 12, 2008, for a start date in September 2008. Applicants must have a Ph.D. or M.D. and must be U.S. citizens or permanent residents.

For more information go to website: http://nips.stanford.edu/smis/. Inquiries to Sofia Gonzalez, telephone: 650-724-9139; e-mail: sofias@stanford.edu.

ADENO-ASSOCIATED VIRUSES PROCESS DEVELOPMENT SPECIALIST

Neurologix, Incorporated


E-mail: csapan@neurologix.net

NEUROSCIENCE PRE-CLINICAL SPECIALIST

Neurologix, Incorporated

General background in central nervous system (CNS) diseases; experience in developing study protocols to assess mechanism of action, safety, and efficacy of CNS therapeutics; demonstrated capability of design and coordination of preclinical activities; medical degree or neuroscience background preferred; English oral and written skills. Three to five years of good laboratory practice experience; specific experience in brain disorders a plus. Competitive, comprehensive salary and benefits package.

E-mail: csapan@neurologix.net

POSTDOCTORAL POSITIONS

Stanford University Department of Pathology
Leukocyte Trafficking/Chemotaxis/Vascular Biology in Inflammation

Postdoctoral opportunities are available in several research areas: chemical biology and the regulation of lymphocyte trafficking; orphan chemokine receptor biology in leukocytes; systems-level genetics/omics of lymphocyte, dendritic cell and vascular specialization; novel approaches to the control of autoimmune disorders; and lymphocyte trafficking programs in human immunity and disease.

Recent Ph.D. and U.S. citizenship, permanent residency or eligibility for fellowship support from the country of origin are required. Individuals with experience in microarray analysis or chemical biology are encouraged to apply. E-mail curriculum vitae and letters to e-mail: marthas1@stanford.edu.

POSTDOCTORAL OPPORTUNITIES

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POSTDOCTORAL OPPORTUNITIES
The Human Brain and Behavior Laboratory (HBBL) at Florida Atlantic University (FAU) seeks to hire a Postdoctoral Research Scientist in the area of neuroimaging and brain injury. The successful candidate will work on an NINDS funded project using functional magnetic resonance imaging to investigate the neurobiological basis of cognitive deficits resulting from mild brain injury and associated mechanisms underlying recovery of function. The research will be carried out using a GE 3.0T MRI located on the FAU campus. A 128 channel Neuroscan EEG system is also available on site and possibilities for extending the work to include MEG and PET tracer studies are in place. The ideal candidate will have a keen interest in the study of mild brain injury and concussion and how they relate to known behavioral and cognitive deficits. The applicant should have experience with functional imaging techniques especially fMRI. Familiarity with the computational and analytical tools (e.g., AFNI, SPM, Visual Basic, Matlab, Lisrel, Linux, etc.) necessary to run studies and analyze large data sets will be considered an advantage. The position will be for one year with the possibility of extension depending on satisfactory progress. Review of applications will begin immediately and continue until the position is filled. Qualified candidates should send CV and arrange for 3 reference letters via email to J A Scott Kelso, HBBL, Center for Complex Systems & Brain Sciences, Florida Atlantic University, kelso@ecs.fau.edu.

Postdoctoral Fellowships in Cardiovascular Research

Several positions are open at the University of Washington, with support available from a NHLBI T32 Institutional NRSA award. The positions are in 35 highly collaborative laboratories that work on both basic and clinical cardiovascular science. The laboratories have expertise in: developmental biology, stem cell biology, cell and gene therapy, population and animal genetics, proteomics, genomics, inflammation, molecular pharmacology, membrane biophysics, tissue engineering, imaging, and intracellular signaling. The laboratories work at both basic and translational levels. Broad interdisciplinary training for fellows is facilitated by a rich institutional environment with a weekly seminar series in cardiovascular biology, diverse other departmental seminars, formal course work if desired, and other career development activities such as grant-writing and funding seminars.

To apply or to obtain more information, please contact one of the participating laboratories listed on our website: http://depts.washington.edu/cardweb/index.php?pageNav=rch.

The University of Washington is an Affirmative Action, Equal Opportunity Employer. The University encourages applications from women, minorities, individuals with disabilities, and covered veterans. In accordance with the goals of the National Heart, Lung and Blood Institute, the Training Program in Cardiovascular Diseases is committed to increasing the number of under-represented ethnic minority and/or disadvantaged fellows entering the program.

The Biozentrum of the University of Basel, Switzerland (http://www.biozentrum.unibas.ch) invites applications for the tenured position of

A Full Professor in Structural Biology (Electron Microscopy).

The position will have tight connections with SystemsX.ch, the Swiss initiative for Systems Biology and provides an exceptional opportunity for internationally recognized scientists to develop cutting edge research in structural biology. The equipment available allows to perform TEM, STEM, atomic force microscopy, single particle cryo EM and electron crystallography. A new 300 kV instrument for cryo electron tomography of vitrified cells has been ordered.

The Biozentrum integrates Structural Biology & Biophysics and Computational & Systems Biology with three focused Research topics (Cell Growth & Development, Infection Biology and Neurobiology) and offers exceptional opportunities for multidisciplinary interactions.

Applications including a motivation letter (max 2 pages), curriculum vitae, a description of research plans and the names of three references should be sent by April 1st, 2008 to Prof. Dr. Hans-Peter Hauri, Dean, Faculty of Science, University of Basel, Klingelbergstrasse 50, 4056 Basel, Switzerland. The University of Basel is an equal opportunity employer. Applications from women candidates are particularly encouraged. Applications should also be sent electronically to Marianne.Hess@unibas.ch.
POSTDOCTORAL RESEARCH OPPORTUNITIES

University of Pittsburgh

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION in TUMOR VIROLOGY. Our Laboratory investigates new human tumor viruses using digital transcriptome subtraction (Sequencer, this issue). Current studies involve programmed frameshifting, tumorogenesis, and innate immune evasion for Kaposi’s sarcoma-associated herpesvirus and Merkel cell polyomavirus (a new human polyomavirus), as well as searches for other new human tumor viruses. The successful applicant should have experience in tumor virology, molecular biology, and/or genomic analysis. Send curriculum vitae and three references by fax or mail to: Patrick S. Moore, M.D., M.P.H. and Yuan Chang, M.D., Molecular Virology Program, Residential Pavilion 1.8, University of Pittsburgh Cancer Institute, 5117 Centre Avenue, Pittsburgh, PA 15213. Website: http://www.kshv.pitt.edu.

POSTDOCTORAL RESEARCH POSITIONS

Skaggs School of Pharmacy and Pharmaceutical Sciences (SSPS), University of California, San Diego (UCSD). One or more Postdoctoral positions are available in spring/summer 2008 in the Laboratory of Dr. James R. Halpert, who will be moving to UCSD as Associate Dean for Scientific Affairs in the SSPS. Projects include conformational plasticity of cytochromes P450 2B (J. Biol. Chem. 281:5973-5981 and 8051-8061, 2006; Biochemistry 46:11595-11567, 2007), cooperativity of P450 3A4 (Biochemistry 46:106-109 and 7852-7864, 2007), and cooperativity of P450cry (Journal of the American Chemical Society 129:2015-2024, 2007). Approaches include X-ray crystallography, isothermal titration calorimetry, rapid kinetics, pressure perturbation spectroscopy, fluorescence resonance energy transfer, site-directed mutagenesis, and molecular modeling. The ideal candidate will be well trained in molecular biology, biophysics, molecular biology, pharmacology, chemistry, or a related field is required. Formal and practical training in X-ray crystallography, molecular modeling, solution biophysics, or protein biochemistry is also required. Strong writing skills are highly desirable. Salary is competitive and negotiable. Review of applications will begin immediately and continue until the positions are filled. Please send current curriculum vitae, names and contact information on three references, and a cover letter outlining your research interests to e-mail: jhalpert@ucsd.edu.

POSTDOCTORAL FELLOW POSITION

in the Institute of Biotechnology/Department of Molecular Medicine, University of California, Davis. An NIH-funded Postdoctoral position is available in the Department of Biomedical Engineering at the University of California, Davis. The successful applicant will play a central role in a research team that investigates molecular and cellular mechanisms of phagocytosis using a newly developed biophysical and biomechanical, single-cell-simulating platform. The Fellow will work in our Laboratory at the University of California, Davis, mainly doing experimental work as described in Herant, Heinrich, and Dembo, J. Cell Sci. 119:1789-1797, 2005; and Herant, Heinrich, and Dembo, J. Cell Sci. 119:1903-1913, 2006. Experience in standard molecular and cellular biology techniques and an interest in micropipette-single-cell manipulation are appropriate for this position. Please respond to this announcement by electronically sending your resume, a brief statement of research interests, and contact information for at least three references to: Dr. Yafeng Hu, e-mail: huy3@ucdavis.edu.

The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer. All Postdoctoral appointments are designated as security-sensitive positions.

Multiple POSTDOCTORAL POSITIONS available immediately to study cancer and cancer-related diseases: website: http://www2.uthscsa.edu/pharmac/web/Faculty/sjin/. Candidates should have a recent Ph.D. and strong background in cell biology or molecular biology. Please send by e-mail a brief statement of research experience and any related publications along with three references to: Shengkan Victor Jin, Ph.D., Pharmacology Department, University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School, Piscataway, NJ 08854. E-mail: jinsh@umdnj.edu.

POSTDOCTORAL POSITION

Phagocytosis Research

University of California, Davis

An NIH-funded Postdoctoral position is available in the Department of Biomedical Engineering at the University of California, Davis. The successful applicant will play a central role in a research team that investigates molecular and cellular mechanisms of phagocytosis using a newly developed biophysical and biomechanical, single-cell-simulating platform. The Fellow will work in our Laboratory at the University of California, Davis, mainly doing experimental work as described in Herant, Heinrich, and Dembo, J. Cell Sci. 118:1789-1797, 2005; and Herant, Heinrich, and Dembo, J. Cell Sci. 119:1903-1913, 2006. Experience in standard molecular and cellular biology techniques and an interest in micropipette-single-cell manipulation are appropriate for this position. Please respond to this announcement by electronically sending your resume, a brief statement of research interests, and contact information for at least three references to: Volkmar Heinrich, Ph.D., Department of Biomedical Engineering, University of California, Davis; e-mail: volkm@ucdavis.edu.

POSTDOCTORAL FELLOW OPPORTUNITIES

University of California, San Diego School of Medicine, Piscataway, NJ 08854. E-mail: jinsh@umdnj.edu.

POSTDOCTORAL POSITION

Phagocytosis Research

University of California, Davis

We are looking for POSTDOCTORAL and Ph.D.s to do challenging work and to make important contributions to the nation. The Institute for Defense Analyses (IDA) is a not-for-profit corporation that operates three federally funded research centers, two serving the Department of Defense in Alexandria, Virginia, and one serving the President’s Executive Office. The IDA Centers provide its U.S. government sponsors with objective and timely analysis of complex national security issues, particularly those requiring scientific and technical expertise. Through our work with senior government officials, IDA analysts have an opportunity to help them make appropriate decisions and, as a result, affect policy within the Department of Defense and beyond. IDA is looking for candidates with advanced degrees (in the sciences, engineering, and economics and technology policy) who are looking for an opportunity to use their education and apply it to rigorous, independent research on complex problems that are both real and challenging. Our work is mostly analytical and computational, using the tools and techniques of the physical and social sciences; we are usually not involved with scientific research in the traditional laboratory sense. As a result, we desire to attract individuals who have a past record of successful experimental or theoretical research. The nature of our work demands that our staff have a very strong training and exhibit technical depth as well as breadth. Visit our website: http://www.ida.org. Apply via e-mail: resumes@ida.org. Please specify Science Area.

The Institute for Defense Analyses is proud to be an Equal Opportunity Employer. The selected individuals will be subject to a security investigation and must meet the requirements for access to classified information. U.S. citizenship is required.

POSTDOCTORAL FELLOW

An established laboratory is seeking a creative and self-motivated Ph.D. to pursue translational research in pediatric acute lymphoblastic leukemia. Interested candidates should have experience in molecular biology, biochemistry, and/or microarray technology and bioinformatics. Please send curriculum vitae and names of three references to William Carroll, M.D., Director, New York University Cancer Institute (e-mail: william.carroll@nyumc.org).

POSTDOCTORAL POSITION

Harvard Medical School

Exciting research on the function of integrins and immunoglobulin superfamily adhesion molecules in the context of inflammation, vascular injury, and cancer therapy. The mechanism of integrin activation is studied using a multidisciplinary approach including mouse genetics, biochemistry, and nanotechnology. We are particularly interested in candidates in the following two NIH-funded projects: (1) development of novel integrin-targeted therapeutics (Science 319:627, 2008) and (2) investigation on integrin activation using novel strains of knock-out mice (J. Clin. Invest. 117:2526, 2007). Candidates with prior experience in bioengineering, mouse disease models, and/or biochemistry are especially encouraged to apply to: Motomo Shimaoka, M.D., Ph.D., Assistant Professor, Immune Disease Institute, Harvard Medical School, e-mail: shimaoka@idi.harvard.edu.

For further information see website: http://www.chbinstitute.org/labs/shimaoka/.

POSTDOCTORAL TRAINING IN CANCER RESEARCH

The Department of Biochemistry and Molecular Biology in the Johns Hopkins Bloomberg School of Public Health is pleased to announce a new National Cancer Institute-funded postdoctoral training program in cancer research. This Program provides training in basic biochemical, biophysical, and molecular biological approaches that can be applied to critical problems in cancer biology. Trainees will carry out a traditional laboratory-based research project in addition to the training and participate in activities that provide an introduction to current topics in the clinical aspects of the cancer problem and their relationships to public health. Applicants must have a Ph.D. or M.D. degree, a strong academic record, significant research experience in the biological, chemical, or physical sciences and must be citizens or permanent residents of the United States. Information about the Program and instructions for applying may be found at website: http://www.jhspH.dept/BMM.

POSTDOCTORAL RESEARCH FELLOWSHIP POSITIONS available at Yale University in all aspects of kidney disease research, including physiology, cell biology, pathology, developmental biology, genetics, vascular biology, immunology and transplantation, and clinical epidemiology and biostatistics. Funding from NHLBI grant R01-HL61750 and NHLBI grant R24-HL67787 to support U.S. citizens and permanent residents. Please send curriculum vitae, statement of research training interest, names of possible Yale faculty mentor(s), and e-mail addresses of three references to: Denise Krause, Ph.D., Administration Office of Nephrology, Yale School of Medicine, P.O. Box 208029, New Haven, CT 06520-8029. E-mail: denise.krause@yale.edu. Women and underrepresented minority candidates are particularly encouraged to apply. Yale is an Affirmative Action/Equal Opportunity Employer.
Chief, Host Susceptibility Branch/Senior Scientist
Research Triangle Park, NC

The National Toxicology Program (NTP) within the National Institute of Environmental Health Sciences (NIEHS) of the National Institutes of Health (NIH) has launched a new initiative to determine individual genetic differences and susceptibility to environmental toxins using multiple inbred strains and/or genetically modified mice. The NTP is seeking a dynamic, highly motivated scientist to serve as Chief of the Host Susceptibility Branch. The incumbent will be responsible for all aspects of the host susceptibility initiative and related activities. As a senior official representing the NTP, the incumbent is the primary expert and interface in host susceptibility with many agencies and offices and provides guidance on relevant research, policy and practices. The incumbent will lead a team of multidisciplinary experts to investigate the genetic basis for population-level differences in susceptibility to environmental toxicants and/or disease using experimental models. The focus of this effort will lead to a better understanding of gene and environment interactions and why some individuals are more susceptible than others to exposure to an environmental toxicant resulting in disease and morbidity. The senior scientist will develop collaborations and relationships with other agencies and institutes, including EPA, DOE, NSF, advocacy groups and industry coalitions.

Minimum qualifications include a Ph.D. or equivalent degree and/or M.D. with an established record of research activity and publications in genetics and genomics. Expertise and experience within the broad context of genetics, genetic models (including genetically-engineered mouse models of human disease), and research strategies applicable to the investigation of toxicology and complex traits for application to gene and environment interactions is desired. Effective leadership, communication, and experience in mentoring and training are requisite. Knowledge and interest in the application of genetics and genomics and associated tools, as well as cellular and molecular biology applications relevant to toxicology and research experience on the genetic basis for susceptibility to environmental exposures and disease are desired.

Salary will be commensurate with qualifications. To apply, submit a cover letter indicating interests, curriculum vitae, and three letters of recommendation by May 15, 2008 to:

Ms. Barbara Curtis (DIR08-03)
National Institute of Environmental Health Sciences
P.O. Box 12233, Maildrop A2-06
111 Alexander Drive, Room A202,
Research Triangle Park, NC 27709
E-mail: dir-appls@niehs.nih.gov

NINDS – At the Cutting Edge of Neuroscience

The National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health, Department of Health and Human Services, is seeking a scientist/physician to serve as Program Director in the Office of Minority Health and Research (OMHR). This position is located in the NINDS Extramural Program. The incumbent will serve as a Program Director within and outside the NINDS, working to build a cooperative environment with other Institutes. The incumbent will also contribute to the overall success of the cluster or team by producing work, participating in continuous team building efforts, exploiting new opportunities for neuroscience, and collaborating on operational work. Specific duties include assisting in the revision and implementation of the Institute’s strategic plan on health disparities, working with other research clusters to implement strategies to increase diversity in clinical research and/or health disparities research, and conducting educational and information workshops related to health disparities, diversity in clinical research and other relevant topics. The incumbent will also assist in the maintenance of the cooperative neuroscience program, and organizing/planning of other programs/initiatives germane to this cluster and the overall mission of the NINDS.

Applicants should have a Ph.D. or M.D. degree in a relevant field of biomedical science. Appointment must be a U.S. citizen, and will be appointed as a GS-14 in the Federal government (salary range $98,033-$127,442). Recruitment Incentives and/or Relocation Allowance of up to 25 percent may be paid.

Applicants are strongly encouraged to apply on-line through USAJobs. The complete vacancy announcement, along with mandatory qualifications requirements and application procedures, can be accessed at USAJobs under the following announcements: http://jobsresearch.odsabs.gov/jobs/asajobs.omp.gov/getjob.asp?JobID=48423686 for the Health Scientist Administrator (HSA) or http://jobsresearch.odsabs.gov/jobs/getjob.asp?JobID=68425527 for the medical officer. Supporting documents (i.e., curriculum vitae, copy of all transcripts) may be faxed to 301-480-2583. Attn: Sharon Scott or sent via e-mail to scottsha@mail.nih.gov. Please reference which vacancy announcement you are applying to, either NINDS-08-245035-DE for the HSA ad or NINDS-08-245296-DH for the medical officer ad.

NIDDK National Institute of Diabetes and Digestive and Kidney Diseases
Location: Bethesda, MD 20892

Postdoctoral Position in Computational Genomics/Bioinformatics

Genetics and Biochemistry Branch, NIDDK seeks candidates to develop novel approaches for the analysis of epigenetic modifications and chromosome dynamics using next-generation sequencing data. Future research will include development of algorithms for high-throughput sequencing data analysis and their implementation for the analysis and integration of large datasets. Successful candidates are expected to spend 50% of their time performing collaborative research.

Computational experience in Linux or Unix environment are required and some biology training is desirable.

Send cover letter, CV, summary of past work, and the names of three references to Dan Camerini-Otero (camerini@ncifcrf.gov). Successful applicants must have a Ph.D. and/or M.D. and less than five years of postdoctoral experience.

Send applications to: NIDDK, Room 2-05B, Bldg. 2, 9000 Rockville Pike, Bethesda, MD 20892-2931

The NIH is dedicated to building a diverse community in its training and employment programs.

E-mail: grantsinfo@od.nih.gov
Phone: 1-800-999-4272
Fax: 1-800-999-4451

DHHS and NIH are Equal Opportunity Employers.
Clinical Tenure-Track Position

The National Institute of Allergy & Infectious Diseases (NIAID), Division of Intramural Research (DIR), is seeking an outstanding tenure-track investigator to develop a clinical research program to better understand, treat, and ultimately prevent infectious, immunologic, and/or allergic diseases. The scope of the NIAID research portfolio has expanded considerably in recent years in response to new challenges such as bioterrorism; emerging and reemerging infectious diseases, including acquired immunodeficiency syndrome (AIDS), influenza, severe acute respiratory syndrome (SARS), West Nile virus, malaria, and tuberculosis; immunologic diseases and the increase in asthma prevalence among children in this country.

The successful candidate will implement and direct an independent clinical research program with research emphasis on clinical research but may include translational or basic research. The incumbent will have the opportunity to choose the Laboratory in which he/she would like to be affiliated. It is expected that clinical protocols developed will complement the research goals of the Laboratory selected. In addition, the candidate will be paired with a Senior Investigator who will serve as a clinical mentor.

An outstanding postdoctoral record of research accomplishment and M.D., M.D. /Ph.D. or equivalent degree is required for this position; board eligibility/board certification is also required. The incumbent will be expected to be qualified for credentialing by the NIH Clinical Center.

Candidates will be assigned independent resources to include clinical and/or laboratory support personnel, equipment, space, and an allocated annual budget for services, supplies, and salaries to ensure success. This is a tenure-track appointment under Title 42. Salary is dependent on experience and qualifications.

Interested candidates may contact Dr. Karyl Barron, Deputy Director, DIR, NIAID at 301/402-2208 or email (kbarron@nih.gov) for additional information about the position.

To apply for the position, send your curriculum vitae, bibliography, and an outline of your proposed research program (no more than two pages), by March 14, 2008 via email to Ms. Wanda Jackson at jacksonwa@niaid.nih.gov. In addition, three letters of recommendation must be sent to Chair, NIAID DIR Clinical Tenure Track Search Committee, c/o Ms. Wanda Jackson at jacksonwa@niaid.nih.gov or 10 Center Drive MSC 1356, Building 10, Rm. 4A-26, Bethesda, Maryland 20892-1356. E-mail is preferred. Please note search #018 when sending materials.

Further information regarding the DIR laboratories is available at: http://www3.niaid.nih.gov/about/organization/dir/default.htm and information on working at NIAID is available on our website at: http://healthresearch.niaid.nih.gov/tdir
The National Institute of Allergy and Infectious Diseases (NIAID), a major component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is recruiting two Research Fellows/Senior Research Fellows in the Laboratory of Human Bacterial Pathogenesis (LHBP). Both positions may be filled as either a Research Fellow or a Senior Research Fellow, dependent upon applicants’ qualifications.

The purpose of a Research Fellowship is to provide junior-level scientists with doctoral degrees experience in biomedical research while they provide a service relevant to the NIH’s program needs. The Research Fellow will spend the entire fellowship in laboratory research, while supporting the performance of NIH intramural research. To be eligible for the Research Fellowship, a candidate must have demonstrated outstanding scholastic achievement and the ability to conduct successfully, with minimal supervision, a pre-established program in laboratory research.

The research activity primarily involves the investigation of Staphylococcus molecular pathogenesis and interaction of Staphylococcus with the human host, using in vitro and in vivo molecular biology, biochemistry and immunology approaches.

Applicants for these Research Fellow positions should have a Ph.D. and at least 3-5 years of post-doctoral work experience, preferably in Staphylococcus or Gram-positive bacterial pathogenesis research, or experience in the area of innate immunity or host-pathogen interactions. Scientists with considerable experience beyond postdoctoral training may be designated as a Senior Research Fellow. The Senior Research Fellow position is equivalent to a non-tenure track position in a university setting, e.g. Research Associate, Research Assistant Professor.

These positions will be located on the NIH main campus in Bethesda, Maryland (Dr. Otto) or at Rocky Mountain Laboratories, Hamilton, Montana (Dr. DeLeo), and subject to the 5-year/8-year limitation at the NIH. However, future conversion of a Research Fellow/Senior Research Fellow into a Staff Scientist position is possible. These positions are available to foreign nationals, but thorough proficiency in the English language in reading and writing is required. Entry level salaries are in the range of USD 42,897 – 79,127 for Research Fellow and USD 74,503 – 110,238 for Senior Research Fellow, depending on qualifications. In exceptional cases, higher tier entry levels are negotiable.

Applicants should submit their curriculum vitae including bibliography, letter of research interests, and names and addresses of three references to: Penny-Gaddy Rhodes, Rocky Mountain Laboratories, Laboratory of Human Bacterial Pathogenesis, 903 South Fourth Street, Hamilton, Montana, 59840 or Michael Otto, Ph.D., Chief, Pathogen Molecular Genetics Section, LHBP, NIAID (motto@niaid.nih.gov) or Frank R. DeLeo, Ph.D., Chief, Pathogen-Host Cell Biology Section, LHBP, NIAID (fdeleo@niaid.nih.gov).

For more information about NIAID and to view additional job opportunities, please visit: http://healthresearch.niaid.nih.gov/lhbp
20 RESEARCH FELLOWSHIPS 2008-9
International Visiting Research Fellowships (3-12 weeks duration)

These will allow outstanding researchers from overseas to spend a period of up to 12 weeks conducting collaborative research at the University of Sydney. Applications from expatriate Australians are encouraged.

Applications close: 5 pm Sydney time 30 May 2008, for travel between August 2008 and August 2009. Applicants must contact the Head of the host School/Department before 18 April 2008.

For details email research@usyd.edu.au or see: www.usyd.edu.au/research/fellowships

RESEARCH FELLOWSHIPS
The University of Sydney
YOU CAN GET THERE FROM HERE

University of California
at Los Angeles
Leadership Position in Systems Genetics

The Jane and Terry Semel Institute for Neuroscience and Human Behavior and the Brain Research Institute at UCLA, in collaboration with the Department of Psychiatry and Biobehavioral Sciences and other bioscience departments across the UCLA campus, invite applications for a position at the rank of full professor to be held by an accomplished scientist dedicated to systems genetics. The individual should have an outstanding record of achievement in research and proven ability to create and sustain data-bases for systems genetics, particularly in the area of neurobiology. Excellent teaching skills and the ability to mentor junior faculty are required. The UCLA bioscience community is rich and diverse and this position is part of a campus-wide systems genetics initiative. Thus, an interdisciplinary outlook is highly desirable.

To apply: Submit letter of interest, curriculum vitae and names and addresses of three references (do not send letters) to Elizabeth Hiramoto, Search Coordinator, via e-mail to: ehiramot@mednet.ucla.edu by March 31, 2008.

UCLA is an EOE.

You Can Get There From Here

Assistant/Associate Professor
Department of Cancer Biology and Center for Human Genomics

The Department of Cancer Biology and the Center for Human Genomics invites applications for a position in Molecular Genetics/Molecular Epidemiology/Cancer Genomics at the Assistant/Associate Professor level. The successful candidate will have a primary appointment in the Department of Cancer Biology and will be cross-appointed in the Center for Human Genetics and the Comprehensive Cancer Center. (www.wfubmc.edu/cambio, www.wfubmc.edu/cancer, and www.wfubmc.edu/genomics). Opportunities exist to build a substantial multi-departmental effort.

Applicants should email their curriculum vitae and a description of their research interests to Pam Pitts (cобщаdad@wfubmc.edu). Attractive start-up funds and laboratory space in a collaborative environment for basic and translational research are available. Review of applications will begin immediately and continue until a successful candidate is identified.

AA/EOE.

ANIMAL GENOMICS AND INFECTIOUS DISEASE

The U.S. Meat Animal Research Center, Animal Health Research Unit, Clay Center, NE employs a multi-disciplinary team of scientists identifying strategies to reduce the impact of pathogenic microorganisms on livestock. The research unit has an immediate opening for a permanent, full-time research scientist to investigate the molecular genomics of host-pathogen interactions in livestock. ARS is seeking an exceptional individual to study fundamental problems of infectious diseases in cattle, swine, and sheep, from a population genetics perspective. Candidates with backgrounds in either genetics, genomics, microbial sciences, virology, immunology, veterinary medicine, molecular and cell biology, or biochemistry, are encouraged to apply. A Ph.D. is desirable or DVM and U.S. citizenship is required. Starting salary is $65,315.00 - $100,976.00 per annum plus benefits. To apply, print a copy of vacancy announcement located at http://www.usajobs.com (search: ARS-X8W-0118), and follow the application directions provided. To have a printed copy mailed, call 402-762-4141. Applications must be marked ARS-X8W-0118 and postmarked by April 14, 2008.

The facility is located in south central Nebraska and employs approximately 250 staff, including more than 50 permanent full-time scientists dedicated to developing new technologies for enhancing livestock production and increasing the safety and quality of meat products. The modern, well equipped research facilities are adjacent to the Great Plains Veterinary Educational Center and part of a “working ranch” located on 54 square miles of property (35,000 acres). Genomic resources at USMARC include a 454 Life Sciences GS FLX sequencer, an ABI 3730 sequencer, high-throughput genotyping platforms (MALDI-TOF MS and bead-based arrays; bioinformatics databases; large herds with unique germplasm (6,000 cows, 3000 sheep, and 700 sows). South central Nebraska offers a small town lifestyle, affordable housing, good schools, and an opportunity to enjoy living where the Oregon Trail crosses the heart of the North American Central Flyway (http://visitnebraska.org).

USDA/ARS is an Equal Opportunity Employer and Provider.
The University of Cologne

Call for Applications: Faculty Positions – All Ranks –
Program in Emerging Infectious Diseases

The Duke-NUS Graduate Medical School Singapore (Duke-NUS GMS) is unique in bringing post-baccalaureate, research-intensive medical education to Asia, and represents a truly global partnership between two leading universities: National University of Singapore and Duke University. The Duke-NUS GMS shares a modern campus with Singapore’s largest hospital and several national research centers. The Duke-NUS GMS is creating a world-class, academically based Program in Emerging Infectious Diseases that will both enhance health care in Singapore and serve as a national and international resource of excellence in emerging infectious diseases. The mission of the Program faculty will be to conduct high-level basic, applied and translational research, and to train graduate students, post-doctoral fellows, physician scientists and scientists in the disciplines relevant to emerging infectious diseases.

We are seeking individuals with outstanding scientific credentials for the Program. Faculty will be provided with the space and resources necessary to conduct state of the art research. The packages for faculty recruits will include full salary, generous start-up, and five years of annual research funding of up to S$500K/p.a., assuring a stable base of support that can be supplemented by competitive grant awards, which are expanding rapidly in Singapore. Areas of initial focus include dengue, influenza and zoonotic diseases. In addition to basic and physician scientists, we are seeking epidemiologists and entomologists. The faculty members will join the pioneering Duke and Singapore investigators already affiliated with the Duke-NUS GMS (see www.gms.edu.sg).

Interested candidates should send a CV and the names of three references to: Duane J Gubler, Sc.D, Director, Program in Emerging Infectious Diseases, Duke-NUS Graduate Medical School, Singapore by email to: faculty.id@gms.edu.sg.

For further enquiries on the faculty position, you may also email to: Duane J Gubler at faculty.id@gms.edu.sg.

The Max Planck Institute for Neurological Research invites applications for a Group Leader position

Selbständige Nachwuchsgruppe der Max-Planck-Gesellschaft (Independent Junior Research Group)

The Max Planck Institute for Neurological Research and the Medical Faculty of the University of Cologne has opened for a Group Leader position, funding for a research group (Selbständige Nachwuchsgruppe der Max-Planck-Gesellschaft / Independent Junior Research Group) dedicated to neurological and oncological research. While there is no particular restriction on the research area, there is the expectation that the successful candidate will interact synergistically with other groups at the Institute.

Currently, the following technologies/methods are available at the Institute: human brain PET and MRT, animal PET and MRT, optical imaging, autoradiography, electron microscopy, histology, immunohistochemistry and invasive imaging/neuromonitoring. A combined human brain PET-MR System will be installed.

Cologne and its rich scientific environment in North-Rhine-Westphalia provide many opportunities of interactions with the University of Cologne and the Universities in the region, including the teaching of courses.

The Group Leader position and funding is guaranteed for five years with the possibility of extension.

The Max Planck Society and the University of Cologne aim to increase the representation of women and therefore explicitly encourage applications from female scientists.

Deadline for applications is March 28, 2008. For further details and the application procedure please visit www.mpig.de/careers.
Deputy Director
Help create our future

- Leading biomedical research organisation
- Five-year, full-time position

The Bionic Ear Institute is seeking to appoint a recognised leader in either Biomedical Engineering or Neuroscience.

Building on our extensive knowledge and experience with the Bionic Ear, our vision is to expand on our current base in Melbourne, Australia. We aim to create a significantly larger, world-class institute that combines the disciplines of biomechanics and engineering to create bionic devices that address the medical challenges associated with the auditory and other neural systems. Progress towards achieving this exciting vision is well under way.

The position of Deputy Director is a challenging opportunity to provide an outstanding contribution to the research, profile, leadership and operational activities of the Institute.

For a copy of the position description and the application process please visit www.bionicear.org/jobs

For further information and a discussion in the strictest confidence, please telephone Professor Rob Shepherd, Director
+61 3 9667 7517 or Linda Peterson, Executive Officer +61 3 9667 7538.

Applications close: Wednesday 23 April 2008.

www.bionicear.org

Robert A. Welch Chair in Chemistry
The University of Texas at Dallas

The Department of Chemistry at The University of Texas at Dallas (UTD) seeks outstanding applicants for the distinguished Robert A. Welch Chair in Chemistry, preferably in areas at the interface of Chemistry and Biology or Materials. The Department offers the Ph.D., M.S. and B.S. degrees and many of its faculty are members of the Alan G. MacDiarmid NanoTech Institute.

The successful applicant will have an internationally recognized record of research and will be encouraged to recruit junior faculty to extend and complement his/her research areas. In addition, the successful applicant will be actively engaged in undergraduate and graduate education, and be involved in service to the university and profession.

Applicants for this tenured position at the full Professor rank should have a Ph.D. in chemistry, biochemistry, materials chemistry, or related discipline. Joint appointments among relevant departments at UTD and UT Southwestern Medical School are envisioned. It is anticipated that the chair-holder’s primary research efforts will be housed in the newly dedicated Natural Science and Engineering Research Building, a state-of-the-art facility designed to foster interdisciplinary research. (See: http://www.utdallas.edu/nsm/news/2007/nserl.html).

A substantial start-up package is budgeted for this position.

Interested applicants should consult the Internet Web page at http://www.utdallas.edu/facultyjobs/. Faculty positions are security sensitive positions and a background check will be performed on applicants selected.

Applicants should mail a resume with a list of at least five academic or professional references as soon as possible to: Academic Search #20097, The University of Texas at Dallas, 800 W. Campbell Road, AD 42, Richardson, TX 75080-3021. Indication of sex and ethnicity for affirmative action statistical purposes is requested as part of the application but not required. For more information, send email to Prof. John P. Ferraris at Ferraris@utdallas.edu.

UTD is an AA/EO Employer.

Florida International University College of Medicine (medicine.fiu.edu) invites applications for founding tenure-track or tenured research faculty positions. The founding research faculty group will consist of senior level scientists who already have an extramurally funded research program and wish to transfer their academic pursuits to a stable position in a growing university in the exciting South Florida (Miami) region. Areas of interest include but are not limited to cell biology, reproductive endocrinology, developmental biology, pharmacology, molecular genetics, cytogenetics, toxicology, immunology, virology and microbial pathogenesis. Attractive start-up packages exist for successful candidates and their research teams.

Florida International University (FIU) will open a new College of Medicine—the first medical school to open in a major metropolitan area in a quarter-century and the first public medical school in South Florida. FIU’s College of Medicine will be a cornerstone of a broader, university-wide Health Sciences center that already includes the College of Nursing and Health Sciences, the Robert Stempel School of Public Health, and the University Graduate School with its established programs in Bio-Engineering, Biology and Chemistry. This will create a powerful educational, research and public service enterprise in one of the most diverse cities in the nation.

FIU emphasizes research as a major component of its mission. Sponsored research funding (grants and contracts) from external sources for the year 2005-2006 totaled $92 million. The University is ranked as a Research University in the High Research Activity category of the Carnegie Foundation’s prestigious classification system.

For information or to apply please visit us online at http://www.fiujobs.org and reference position #6004. Please be sure to indicate your interest in research faculty positions in your cover letter. Application review will begin February 11, 2008. Positions will be open until filled.

FIU is a member of the State University System of Florida and is an Equal Opportunity, Equal Access Affirmative Action Employer.

The University of Wisconsin-Madison is seeking to hire a faculty member at the Assistant, Associate or Full Professor level with expertise in the general area of stem cells and regenerative medicine. Candidates should have a PhD and/or MD degree with appropriate post-graduate training. Using a multidisciplinary cluster hiring process (http://www.clusters.wisc.edu/), the new faculty member will be eligible for recruitment to any of multiple departments across campus. Targeted research areas include adult stem cells, cancer stem cells, immunology of cellular therapies, regenerative biology, and biotechnology relevant to stem cells and regenerative medicine.

Additional information is available at: http://www.stemcells.wisc.edu

Interested candidates should submit a curriculum vitae, a statement of research interests, and three letters of recommendation by March 31, 2008, to: Timothy J. Kamp MD, PhD, Chair of Search Committee, Cluster Hire in Stem Cells and Regenerative Medicine, 4166 HSLC, 750 Highland Ave., Madison, WI 53705 OR electronically tjk@medicine.wisc.edu

The University of Wisconsin is an AA/EEO employer and has an open records law. We promote excellence through diversity and encourage all qualified individuals to apply. A background check will be conducted prior to employment.
The Institute for Translational Neuroscience (ITN) at the University of Minnesota is seeking to hire up to eight tenure or tenure-track faculty members to enhance research strengths in the neurodegenerative and neuromuscular diseases. The vision for these positions is to provide significant endowment-like recurring salary support so the most accomplished scientists will be able to focus on their research. The newly established ITN will recruit neuroscientists and physicians with Ph.D. and/or M.D. degrees at the Associate, Assistant or Full Professor level. Areas of interest include, but are not limited to, Alzheimer’s disease, ataxia, Parkinson’s disease, ALS and muscular dystrophy. Translational Neuroscience Scholars will be affiliated with the Grossman Center for Memory Research and Care, the Wellstone Muscular Dystrophy Center, or the Center for Neurological Research. We are particularly interested in candidates using animal models of dementia, movement disorders, and neuromuscular disease, as well as candidates who directly study human degenerative neurological diseases. The key criteria are superlative scientific accomplishment and the promise of future research impact. Successful candidates must demonstrate the capability to establish a vigorous, externally funded research program, a commitment to medical, graduate or undergraduate education, and leadership through vision and collaborative program development.

Successful new recruits will receive substantial recurring salary support, an excellent startup package, and laboratory space in a newly built, integrated neuroscience research complex housing the Grossman Center for Memory Research and Care, the Wellstone Muscular Dystrophy Center, the Center for Neurological Research, the Center for Magnetic Resonance Research, the Center for Orphan Drug Research, and the Stem Cell Institute. Departmental affiliation will be determined by the applicant’s interest and the relevance of the applicant’s research program to departmental goals. For Assistant level appointments, candidates are expected to have doctoral and postdoctoral training in the neurosciences and research accomplishments consistent with developing a nationally recognized and independent research program. Associate or Full Professor appointments will require demonstrated independence and research productivity, including a strong track record of major external funding and peer-reviewed publications. Candidates must be U.S. citizens or be able to secure permanent residence status. The starting date is negotiable, with appointments available as soon as June 1, 2008. The University of Minnesota is committed to diversifying its faculty and encourages applications from women and minorities.

Review of applications will commence January 31, 2008, and continue until the positions are filled. Applicants should send curriculum vitae, statement of research interests and intentions, and three letters of reference to: ITN Faculty Search Committee, Attention: Rosalyn Segal, Medical School Dean’s Office, MMC 293, 420 Delaware Street S.E., Minneapolis, MN 55455. Email: rsegal@umn.edu. Electronic versions of the required information may be e-mailed but must be followed with a hard-copy for the official search files.

The University of Minnesota is an Equal Opportunity Educator and Employer.
The Department of Biochemistry and Molecular Biology invites applications for a probationary, tenure-track position at the rank of Assistant Professor to begin July 1, 2008. The ideal candidate will have expertise in molecular biology and/or biochemistry, with a research emphasis on microbial molecular evolution and/or comparative genomics. Specific research areas of interest include, but are not limited to: molecular biology and/or biochemistry, microbial genome structure and function, and biochemical/ cellular diversity in prokaryotes and eukaryotes. The candidate must have a research track record that will be highly competitive in attracting external research funding. The successful candidate will join an internationally recognized group of researchers at Dalhousie working on microbial molecular evolution, comparative genomics, bioinformatics, and biodiversity. The candidate will have the opportunity to mentor undergraduate honors and graduate students as well as postdoctoral fellows, and will be expected to teach undergraduate and graduate courses in molecular biology/biochemistry consistent with her/his background and interest. The ability to collaborate across disciplines is encouraged. The Department is closely affiliated with the recently established Program in Integrated Microbial Biodiversity (PIMB) of the Canadian Institute for Advanced Research (CIFAR) and with a newly created interdisciplinary Centre in Comparative Genomics and Evolutionary Bioinformatics (CGEB) at Dalhousie University. The successful applicant will be nominated as a Dalhousie CIFAR Program Scholar. More information (including how to apply) is available at the CIFAR Program website: [http://www2.cifar.ca](http://www2.cifar.ca). Applicants must have a Ph.D., at least two years of postdoctoral experience and a strong publication record. Please submit curriculum vitae, reprints of several recent publications, and one to two-page statements outlining teaching and research plans, and arrange for three references to be sent under separate cover to:

Dr. D. M. Byers  
Head, Department of Biochemistry and Molecular Biology  
Faculty of Medicine  
Sir Charles Tupper Medical Building  
Dalhousie University  
Halifax, Nova Scotia B3H 1X5

Closing date for receipt of applications is March 31, 2008. The Academic Planning and Appointments Committee will commence reviewing applications in March. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Dalhousie University is an Employment Equity/Affirmative Action Employer. The University encourages applications from qualified Aboriginal people, persons with a disability, racially visible persons, and women. The Office of the Dean, School of Medicine, Dalhousie University is an Employment Equity/Affirmative Action Employer. Women and minorities are strongly encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, or sexual orientation or veteran status. The University of South Carolina is responsive to dual-career couples.

**POSTDOCTORAL OPPORTUNITIES**

The University of North Carolina at Chapel Hill is seeking an early career COASTAL MARINE SCIENTIST to fill a term RESEARCH FACULTY/POSTDOCTORAL SCHOLAR position at our Institute of Marine Sciences (IMS). The successful applicant is expected to pursue independent research and is encouraged to collaborate with IMS faculty. The position includes a competitive salary and benefits for a period of up to three years plus limited institutional support for travel and research needs. The position is available immediately and applications are encouraged. For more information apply at [http://www.marine.unc.edu/ims](http://www.marine.unc.edu/ims). The deadline for applications is March 1, 2008, and continue until the position is filled. UNC Chapel Hill is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

**POSTDOCTORAL OPPORTUNITIES**

**CHAIR of PHARMACOLOGY, PHYSIOLOGY, and NEUROSCIENCE**

**Dalhousie University**  
**The University of South Carolina School of Medicine**

The University of South Carolina School of Medicine is seeking an established Ph.D. and/or M.D. scientist and academic leader to assume the Chair of the Department of Pharmacology, Physiology, and Neuroscience. Successful candidates should have expertise in at least one of the three departmental areas and be qualified for appointment at the level of Professor with tenure in the School of Medicine. The selected candidate will be expected to fulfill the Department’s teaching mission in medical and graduate education, lead his or her own externally funded research group, and assume a role in the ongoing development of translational research in the Department and School of Medicine. Opportunities exist for collaboration with ongoing research programs on the University of South Carolina campus. The position offers a competitive salary and the resources needed to establish a strong research program in the School of Medicine.

Major areas of investigation in the Department include anxiety, stress and glucocorticoids, ion channel mechanisms, limbic areas of the brain, manipulation of gene expression with viral vectors, nociception, and epilepsy ([website: http://ppn.med.sc.edu](http://ppn.med.sc.edu)). Currently targeted neurological and neuropsychiatric disorders include chronic pain, age-related cognitive deficits and neurodegenerative disorders, depression, epilepsy, diabetes, and stress and anxiety disorders.

The School of Medicine, located on the campus of the William Jennings Bryan Dorn Veterans Administration Medical Center, offers the M.D., Master’s and doctoral degrees in biomedical science, and Master’s degrees in genetic counseling, rehabilitation counseling, and nurse anesthesia. State-funded Research Centers of Excellence dedicated to cancer, stroke, cardiovascular disease, brain imaging, biomedical ethics, health services, and primary health care. All research centers are fully funded when the University and its partners raise matching dollars. The School of Medicine is also a key component of the University’s Innovista research and innovation district. Biomedical and health sciences are among the University’s core research areas, and one of Innovista’s first developments, Discovery Plaza, is planned as a home for both university and private scientists specializing in biomedical research.

Review of applications will continue until the position is filled. Send curriculum vitae including research plans, and contact information for three references either electronically ([e-mail: dawh@uw.edu](mailto:dawh@uw.edu)) or via mail to: Kenneth J. Gaines, M.D., Professor and Chief, Division of Neurology and Search Committee Chair, 1105 S. Orange Ave., Suite 301, Gainesville, FL 32601. The University of South Carolina is an Affirmative Action, Equal Opportunity Employer. Women and minorities are strongly encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, or sexual orientation or veteran status. The University of South Carolina is responsive to dual-career couples.

**POSTDOCTORAL POSITION**

**Cardiac Development**

**University of Pennsylvania**

Studied include stem cell and neural crest research using mouse models. See [Nat. Rev. Genet. 9:49-61, 2008; Nature 433:884-7, 2005. Send curriculum vitae, names of three references, and a letter describing research experience to: Jonathan Epstein, Chair, Department of Cell and Developmental Biology, University of Pennsylvania School of Medicine, E-mail: epsteinj@mail.med.upenn.edu. Affirmative Action/Equal Opportunity Employer.**
RCUK Fellowship in Biopharmaceutical Processing

Salary: £38,880 - £43,420 per annum

Imperial College is ranked the fifth best university in the world (Times Higher QS World University Rankings 2007).

We are seeking to appoint an RCUK fellow in the Division of Molecular Biosciences within the Department of Life Sciences, Imperial College London. The fellowship is part of a joint initiative between the Division and the Department of Chemical Engineering in the area of Biopharmaceutical Processing building upon exceptional research strengths in both groupings. The emphasis of the research area pertaining to this position is in the application of molecular and systems biology approaches primarily to look at proteomic and transcriptomic applications in the production and downstream processing of biopharmaceuticals.

Candidates with a strong biological background who are interested in moving into the area are also encouraged to apply. The RCUK Fellowship will support the post for the first five years and it is expected to lead to an open-ended academic post.

Information about the RCUK Fellowship scheme, including eligibility criteria, is available at http://www.rcuk.ac.uk/acfellow/ Candidates should note that this scheme is only open to researchers supported on any type of fixed-term grant funding and to holders of current fellowship awards or other researchers without current research support.

The Division is housed in state-of-the-art laboratories on the South Kensington Campus. Further information about the Division can be found at the following website: http://www.imperial.ac.uk/molecularbiosciences You will also be expected to fully participate in the teaching and administrative activities of the Division. The fellow will also work closely with colleagues in Bioprocessing in the Department of Chemical Engineering and more information can be found at the following website http://www3.imperial.ac.uk/chemicalengineering To make informal enquiries about the post please contact Professor Paul Freemont by e-mail: p.freemont@imperial.ac.uk.

An application form, further particulars including a job description and person specification can be obtained from the following links: http://www3.imperial.ac.uk/employment/research

Completed application forms should be emailed to c.simmons@imperial.ac.uk or posted to Ms Coralie Simmons, Division of Molecular Biosciences, Department of Life Sciences, Faculty of Natural Sciences, Imperial College London, Flowers Building, South Kensington, London SW7 2AZ.

Closing date: 2 April 2008 (12 noon).

Valuing diversity and committed to equality of opportunity

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**Faculty Position in Endocrinology and Metabolism**

The University of California, San Diego School of Medicine is actively recruiting a faculty position in the Division of Endocrinology and Metabolism. The appointment will be full time at the Associate or Full Professor level. MD or MD/PhD candidates will be considered. Appointment level will be commensurate with experience and qualifications and compensation is based on established UCSD salary scales. Candidates should be able to develop an independent basic or clinical research program within the general field of Endocrinology and Metabolism. Clinical and teaching activities in the Division will be expected. Demonstrated productivity in basic or clinical research is required and current research support desirable but not mandatory. Must be board certified/eligible in Endocrinology and Metabolism and eligible for a state of California medical license.

Deadline for submission of applications: April 3, 2008. Apply to: Wolfgang Dillmann, MD, Chief, Division of Endocrinology and Metabolism, University of California, School of Medicine, 9500 Gilman Drive, MC-0618, La Jolla, CA 92039-0618.

UCSD is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity.
POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITION

Genomics/Cytogenetics

A postdoctoral position is available at Harvard Medical School and Brigham and Women’s Hospital in a laboratory studying the structure of vertebrate genomes to understand human disease. Individuals must have or be close to obtaining a Ph.D. (in genetics or related field of study) or an M.D. degree (with additional training/study in genetics).

Ongoing projects in the laboratory include structural genomic variation (e.g. Nature 444:444, 2006), model organism cytogenetics (e.g. BMC Genomics 8:195, 2007), and cancer biomarker discovery (e.g. Science 316:1039, 2007).

The successful candidate will be able to demonstrate research productivity and article-writing proficiency for international, peer-reviewed journals; generate new research projects; and have experience in or be willing to learn cutting-edge molecular/cytogenetic techniques. Experience with microarray technology would also be an asset.

Candidates should submit current curriculum vitae, a statement of research experience, and the names of three individuals who could provide letters of reference to: Dr. Charles Lee, Department of Pathology, Brigham and Women’s Hospital, 221 Longwood Avenue, EBRC 404A, Boston, MA 02115 U.S.A.; e-mail: dce@rics.bwh.harvard.edu.

Harvard Medical School and Brigham and Women’s Hospital are Equal Opportunity/Affirmative Action Employers.

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITION in ADULT STEM CELL BIOLOGY and REGENERATIVE MEDICINE

A full-time Postdoctoral position with a minimum commitment of two years is available immediately in the Cardiovascular Research Institute, Department of Medicine, University of Vermont. The research will focus on myocardial protection and regeneration conferred by adult cardiac and bone marrow-derived stem/progenitor cells. Experimental animals subjected to myocardial infarction induced by transitory or persistent coronary occlusion will receive intramuscular or intravenous cell therapy. Applicants should hold an M.D., Ph.D., or M.D./Ph.D. degree. Experience in cell culture and molecular, cellular, and biochemical techniques as well as animal surgery is desirable. Send curriculum vitae, a brief statement of research experience, and three references to: Jeffrey Spees, Ph.D., Stem Cell Core, Department of Medicine, 208 South Park Drive, Suite 2, Colchester, VT 05446 or e-mail: jreyfyspe@uvm.edu.

Equal Opportunity Employer/Affirmative Action Statement: UVM is an Equal Opportunity/Affirmative Action Employer. Applications from women and people from diverse racial, ethnic, and cultural backgrounds are encouraged.

POSTDOCTORAL POSITION available for highly motivated individuals with deep interest in genetics and molecular biology of human cancer to study functional and mechanistic aspects of the tumor suppressor p16 and oncogenes to MDM2. Applicants must have a recent Ph.D. or M.D./Ph.D. and demonstrated experience in molecular biology, biochemistry, and cell biology. Experience with mouse models is considered a plus. Please send or e-mail your resume and contact information for M.D.M2. Apply three references to: Dr. Yanping Zhang, Lineberger Comprehensive Cancer Center and Department of Radiation Oncology, The University of North Carolina at Chapel Hill, 101 Manning Drive, Chapel Hill, NC 27514. (E-mail: yzphang@med.unc.edu.)

NEUROBIOLOGY RESEARCH FACULTY/POSTDOCTORAL POSITION

POSTDOCTORAL POSITION available to study synaptic neurogenetics/neurogenomics. Position requires a Ph.D. or M.D., patch experience, and good communication skills, and it offers competitive salary, grant opportunities, and broad neuroscience interactions (website: http://pharm.lsuhsse.edu/pharm/faculty.htm). Send curriculum vitae and three references to: Dr. Kathy Hamilton (e-mail: kmhsll@lsuhsc.edu), Cellular Biology and Anatomy, Louisiana State University Health Sciences Center, 1501 Kings Highway, Shreveport, LA 71130-4228 U.S.A. Lsuhsse is an Equal Employment Opportunity Employer.

POSTDOCTORAL OPPORTUNITIES

HARVARD MEDICAL SCHOOL

POSTDOCTORAL POSITION available to study the molecular and cellular mechanisms of Alzheimer’s and Parkinson’s diseases. Recent Ph.D.s with strong background in molecular biology, biochemistry, or electrophysiology are encouraged to apply. Prior experience in signaling, protein synthesis, mitochondria, dopamine systems, neurotransmitter release, or cell death mechanisms is preferred. Send curriculum vitae to Dr. Jie Shen (website: http://www.lsuhsc.edu/pharm/faculty.htm) at e-mail: jshen@rics.bwh.harvard.edu. or Dr. Ray Kelleher (website: http://www.mgh.harvard.edu/cgh/faculty_kelleher.htm) at e-mail: kelleher@helix.mgh.harvard.edu.

Texas A&M University is an Equal Opportunity/Affirmative Action Employer/Educator.

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL FELLOWSHIPS

Institut Pasteur, Paris, France

Come work in Paris at the Institut Pasteur, a world-renowned, private, biomedical research organization! We invite applications from outstanding Fellowship candidates to any of 138 laboratories within our 10 departments. Areas include: developmental and cell biology, epidemiology, immunology genomes, genetics, microbiology, neuroscience, structural biology, parasitology, mycology and virology. Details vary; see website for details. Annual package is $70,000 for three years. U.S. citizenship required.

E-mail: pasteurs@aol.com. Website: http://www.pasteurfoundation.org.

PROTEIN BIOCHEMIST

POSTDOCTORAL/ASSOCIATE RESEARCH SCIENTIST

Yale University

The Wagner Laboratory is searching for a Protein Biochemist interested in gene regulation. The goal of the project is to understand the evolution of the protein-protein interaction network underlying the differentiation of endometrial cells. The successful candidate will be expected to design and perform a study to identify all the proteins on the decidual PRL promoter and map their physical interactions. This project aims at resolving a current controversy whether transcription factor proteins are functionally conserved or contribute to the evolution of gene regulation.

Contact and PI: Gunter P. Wagner
E-mail: gunter.wagner@yale.edu

Yale values diversity in its faculty, staff, and students and strongly encourages applications from women and members of underrepresented minority groups.

POSTDOCTORAL OPPORTUNITIES

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POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITION

Johns Hopkins University School of Medicine

Within the Department of Radiology and Institute for Cell Engineering, Ph.D. candidate or recent graduate must have strong background in experimental neuroscience and/or stem cell biology and neuro-transplantation. Will use human embryonic stem cells and neural progenitor cells for treatment of neurodegenerative disease in mice and rats, using magnetic resonance and bioluminescent imaging to track cells noninvasively. Expertise with neurosurgery, histology, and stem cell cultures is favored. Imaging experience not mandatory.

Contact: Dr. Jeff W.M. Bulte, Director of Cellular Imaging, Johns Hopkins University School of Medicine, e-mail: jwbulte@jhmi.edu. Website: http://www.hopkins-ice.org/vascular/int/bulte.html.

A POSTDOCTORAL POSITION is available at Duke University Medical Center in the translational immunology Laboratory of Dr. Scott Palmer, Medical Director of the Lung Transplant Program. The project is focused on mechanisms of allograft lung injury. The candidate should have a strong immunology background and experience in murine transplant models. Please send a statement of research interest and curriculum vitae to Dr. Scott Palmer at e-mail: palme902@mc.duke.edu.

Science Careers

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The Department of Medicine of McGill University and of the McGill University Health Centre (MUHC) is inviting applications for the position of Director of the Meakins-Christie Laboratories (www.meakins.mcgill.ca/meakins/) a major international centre for research in respiratory diseases. The Meakins-Christie Laboratories are supported by an endowment and have a history of producing outstanding research in the area of respiratory diseases. The MUHC (www.muhc.ca) is one of the largest academic health providers in Canada with new and visionary leadership dedicated to the expansion of clinical, research, and community services. McGill University (www.mcgill.ca) is an English-speaking institution located in Montreal, one of North America’s most cosmopolitan cities.

The Director of the Meakins-Christie Laboratories is expected to have an international reputation in research related to respiratory diseases. The successful candidate will be forward-looking, able to forge collaborative scientific relationships, and possess a solid understanding of and commitment to translational research. Applicants holding an MD degree who wish to engage in clinical practice must be eligible for licensure in the province of Quebec.

Compensation will be commensurate with qualifications and experience. An attractive package will be provided to the successful candidate including start-up funds. The candidate will be eligible for a tenured or tenure-track position at the Full Professor level.

Please submit a curriculum vitae including a list of publications, an outline of current research interests, and the names, addresses and contact numbers of three references within 30 days of publication of this advertisement to:

Dr. Barry I. Posner  
Chair, Meakins-Christie Search Committee  
Polypeptide Hormones Research Lab  
3640 University Street, Room W3-15  
Montreal, Quebec, H3A 2B2  
E-mail: barry.posner@mcgill.ca

McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities and others who may contribute to further diversification. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.
Faculty Positions in Bioinformatics, Statistical Genomics, or Genetic Epidemiology

Yale School of Public Health
Yale University School of Medicine

Yale School of Public Health has at least two faculty positions available at the level of Professor, Associate Professor, or Advanced Assistant Professor in the disciplines of bioinformatics, statistical genomics, or genetic epidemiology. With broad and expanding initiatives in genomics and proteomics, Yale is significantly expanding its infrastructure and faculty in genomics research. The new faculty will be expected to build a strong program in their discipline and to collaborate with ongoing genomics/proteomics activities at Yale. One of the positions is linked to a concurrent initiative in genomics medicine at the Veterans Affairs (VA) Medical Center in West Haven, Connecticut. Specifically, a faculty position will be Based at the VA, with an academic appointment at Yale University, to develop and oversee genome medicine activities within the Cooperative Studies Program (a national network of biostatistical and epidemiological research centers). The candidate filling this position will have the opportunity to lead in the development of a genomics research program that utilizes the data and infrastructure of the VA system.

Successful candidates will have an active research and training program; an extensive body of influential publications; a history of service to international/national-level professional organizations, and scholarly journals; a reputation for mentoring successful academic careers; and an established international reputation in their field of research.

Applications, nominations, and inquiries are all invited. Applicants are asked to submit a letter of interest, complete curriculum vitae, and copies of recent publications, by May 1, 2008, in confidence to:

Genomics Search Committee
Charmla Fernandes
Yale School of Public Health
Yale University School of Medicine
P.O. Box 208034
New Haven, CT 06520-8034

Yale University is an Affirmative Action/Equal Opportunity Employer. Men and women of diverse racial/ethnic backgrounds are encouraged to apply.

Assistant/Associate Professor

The Departments of Pharmacology and Psychiatry at the University of Tennessee Health Science Center (UTHSC) seek an Assistant/Associate Professor in Neuropharmacology for a tenure-track appointment. The selected candidate will direct a vigorous, independent laboratory program using advanced cellular, molecular, and genetic approaches to study neuronal function and behavior. Priority will be given to individuals with established programs in behavioral neurobiology. With laboratory and office space available in the Department of Pharmacology, the faculty member will be located among a highly productive group of research neuropharmacologists. The successful candidate will be expected to contribute to the Department of Pharmacology and Psychiatry, to conduct research that is competitive for extramural funding, to participate in teaching and training activities in the School of Medicine, to contribute to the Departmental teaching and research, and to maintain an active and visible role in the academic community.

The Department of Pharmacology is committed to increasing the diversity of its faculty and students, and to sustaining a working environment that is inclusive. The University of Tennessee is an Equal Employment Opportunity Institution.

University of Alabama at Birmingham
Department of Neurobiology
Evelyn F. McKnight Brain Institute

The Department of Neurobiology and Evelyn F. McKnight Brain Institute at University of Alabama (UAB) invite applications for a tenure-track position at the Assistant Professor level. The Department and Institute are undergoing significant expansion. We seek to recruit an outstanding scientist working in the areas of epigenetic mechanisms of memory and learning, international collaborations, and the ability to bring new ideas to the institute. Innovation and scientific excellence will be the principal selection criteria.

The Department of Neurobiology offers a collegial, interactive, and creative environment. New investigators will be housed in state-of-the-art facilities within the UAB Evelyn F. McKnight Brain Institute. UAB is one of the leading academic medical centers in the southeast and is currently ranked in the top 25 in NIH funding among all U.S. medical schools. Further information about current faculty and their research interests can be found at website: http://www.neurobiology.uab.edu. Deadline for applications will be April 30, 2008. Applicants should provide curriculum vitae, description of proposed research, and names of three to five references to: Dr. John J. Hablitz

Department Chair University of Alabama at Birmingham
1530 3rd Avenue South
Birmingham, AL 35294-2182
E-mail: jhablitz@uab.edu

The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

RESEARCH ASSISTANT PROFESSOR POSITION

Department of Pharmacology, Toxicology, and Therapeutics
University of Kansas Medical Center

The Department of Pharmacology, Toxicology, and Therapeutics is continuing its expansion by inviting applications for a Research Assistant Professor position for an individual with extensive expertise in mass spectrometry. This individual will be the Technical Director of a bioanalytical core laboratory. In addition, at least half of his/her time will be devoted to individual and collaborative research projects with other scientists. Preference will be given to candidates with experience in areas, such as the metabolic syndrome, nuclear receptors, toxicology or xenobiotic disposition. Applicants should provide a curriculum vitae, description of proposed research and statement regarding teaching, research, and other professional activities, and names of three references. To view the position description and apply online go to website: http://jobs.kumc.edu and search for position J0010018.

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AND DO AMAZING WORK.

With multiple hospitals, specialty and research centers, and new construction everywhere you look, the University of Miami Miller School of Medicine campus is a miniature city of opportunity. We’re exploring the future of medicine, striving to discover cures for debilitating diseases and learning more about ourselves each day.

ASSISTANT PROFESSOR,
STEM CELL BIOLOGY

The Stem Cell Institute (SCI) of the Department of Medicine and the Department of Surgery are jointly recruiting a faculty member for a tenure-track position at the Assistant Professor level. Outstanding candidates with an interest in translational research and experience in small animal models of disease are encouraged to apply. The successful applicant will play an integral role in developing preclinical models of liver, cardiac and other organ systems.

Candidates must hold a PhD, MD or equivalent degree with a strong record of research appropriate for appointment in the University of Miami Miller School of Medicine, and indicative of a high potential for creative scholarship. In addition, candidates with research interests in aspects of stem cell biology and with a background in the use of small animal models for studies of disease are encouraged to apply.

Please send your Curriculum Vitae to:
GBisbal@med.miami.edu

Working at the University of Miami Miller School of Medicine means exploring a new world of research and discovery. It means being part of medical history in the making, and knowing you had something to do with changing the world forever.

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www.careers.med.miami.edu

Invited speakers

Phil Benfey (USA)
Ralph Bock (DE)
Paul Christou (ES)
Caroline Dean (UK)
Xinhian Dong (USA)
Joseph R. Ecker (USA)
Ted Farmer (CH)
Jiří Friml (CZ/BE)
Hiroo Fukuda (JP)
Jonathan Jones (UK)
Olaf Kruse (DE)
Dario Leister (DE)
Ove Nilsson (SE)
Salomé Prat (ES)
Ouli Savolainen (FI)
Julian Schroeder (USA)
Alison Smith (UK)
Chris Somerville (USA)
Jens Stougaard (DK)
Tai-ping Sun (USA)
Jan Traas (FR)
Yves Van de Peer (BE)
Jian-Kang Zhu (USA)

www.fespb2008.org

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of the Federation
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of Plant Biology (FESPB)

Tampere, Finland, 17-22 August 2008

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CANCER BIOLOGISTS

The University of Maryland Marlene and Stewart Greenebaum Cancer Center (UMGCC) is recruiting Cancer Biologists at the ASSISTANT and ASSOCIATE PROFESSOR levels for its multidisciplinary research programs in tumor immunology, viral oncology, and cancer epidemiology. Candidates should have significant laboratory or epidemiology research experience, with preference given to those with a recent track record of external, peer-reviewed funding and publications. The University of Maryland Schools of Medicine and Pharmacy, adjacent to the Cancer Center, provide excellent facilities and resources, including nuclear magnetic resonance, X-ray crystallography, and computer-assisted drug design capabilities. Academic rank, tenure status, and salary will be commensurate with experience. Interested applicants should submit their curriculum vitae to: Stephen W. Long, Associate Administrator, University of Maryland Marlene and Stewart Greenebaum Cancer Center, 2 South Greene Street, Baltimore, MD 21201. The University of Maryland, Baltimore encourages women and minorities to apply and is an Affirmative Action/Equal Employment Opportunity/ADA Employer.

FACULTY POSITION
Infectious Diseases and Microbiology
University of Pittsburgh

The Department of Infectious Diseases and Microbiology at the University of Pittsburgh’s Graduate School of Public Health invites applications for two tenure-track faculty positions in the area of global infectious diseases at the rank of ASSISTANT or ASSOCIATE PROFESSOR. Applicants must have a Ph.D. or M.D. degree or equivalent. Successful candidates are expected to develop a productive and nationally funded research program in the area of the molecular pathogenesis or immunology of infectious diseases of global significance. Applicants at the Associate Professor level must have an established and funded program. Applicants are expected to contribute to the teaching and mentoring of graduate students. The Department has a highly interactive group of virologists, immunologists, and geneticists working with HIV/Simian immunodeficiency virus, herpesviruses, hepatitis C virus, and West Nile virus. Faculty members of the Department also have productive interactions with colleagues throughout the University of Pittsburgh Schools of Medicine and the Cancer Institute. Applicants should submit by e-mail: reinhar@pitt.edu curriculum vitae, a statement up to three pages of research interests and future plans, and names and contact details of three references to: Chair, Biosciences Search Committee, Department of Infectious Diseases and Microbiology, A419 Crabtree Hall, Graduate School of Public Health, University of Pittsburgh, 130 DeSoto Street, Pittsburgh, PA 15261. Review of applications will commence upon receipt and will continue until the position is filled. The University of Pittsburgh is committed to Affirmative Action, Equal Opportunity and the diversity of its workforce.

CANCER BIOLOGISTS

Brookhaven National Laboratory (BNL) seeks an Associate Laboratory Director (ALD) to provide leadership and oversight for three Departments: Energy Sciences and Technology, Environmental Sciences, and Nonproliferation and National Security. Qualifications include an advanced degree and a distinguished research career in the physical sciences or engineering, accompanied by proven experience in the management of a significant research program in a federally funded environment. Demonstrated ability to work with multiple sponsors at the federal, state, and municipal levels and the private industry, is highly desirable, as is experience with international organizations. Candidates must obtain and maintain a Department of Energy Q clearance. Responsibilities include linking directorates and taking advantage of R&D, using upper-division undergraduate course in recognized programs that are aligned with the mission of the Department of Energy; participating in laboratory-wide planning for new programs and user facilities; maintaining and improving productivity, continuing outreach to universities and supporting collaborations between industrial partnerships and end users; as well as being responsible for improving safety, operational, and environmental performance. Major funded programs include nuclear safety, nuclear material safeguards, climate sciences, and homeland security. Additional duties will include developing areas of scientific focus, including climate sciences and materials, using a supercomputing facility; advanced radiation detector development and testing, energy storage, and end use of biofuels. New programs are developing in renewable energy and energy efficiency with focus on biofuels, solar energy, catalysis, and complex materials. For consideration, please forward your resume to e-mail: hembfling@bnl.gov, responding to position #EENS in your correspondence. BNL is an Equal Opportunity Employer committed to workforce diversity.

ASSOCIATE LABORATORY DIRECTOR
Energy, Environment, and National Security (EENS)

The University of Maryland Marlene and Stewart Greenebaum Cancer Center (UMGCC) is recruiting Cancer Biologists at the ASSOCIATE or FULL PROFESSOR levels for its multidisciplinary research programs in tumor immunology, viral oncology, and cancer epidemiology. Candidates should have extensive laboratory or epidemiology research experience with a sustained track record of external, peer-reviewed funding and publications. The University of Maryland Schools of Medicine and Pharmacy, adjacent to the Cancer Center, provide excellent facilities and resources, including nuclear magnetic resonance, X-ray crystallography, and computer-assisted drug design capabilities. Academic rank, tenure status, and salary will be commensurate with experience. Interested applicants should submit their curriculum vitae to: Stephen W. Long, Associate Administrator, University of Maryland Marlene and Stewart Greenebaum Cancer Center, 2 South Greene Street, Baltimore, MD 21201. The University of Maryland, Baltimore encourages women and minorities to apply and is an Affirmative Action/Equal Employment Opportunity/ADA Employer.

DIRECTOR
Bard Center for Environmental Policy
Bard College

The Bard Center for Environmental Policy is seeking a Director who will provide dynamic intellectual and administrative leadership for the Center and its graduate program. The Center offers an M.S. degree and engages the community on regional, national, and international environmental policy issues. Responsibilities include fundraising and developing collaborations with regional environmental centers, nongovernmental organizations, government agencies, and private sector firms. Ph.D. or terminal degree and distinguished record of scholarship required. Salary is competitive; benefits are excellent. Submit a letter of interest, curriculum vitae, and a list of at least three references to: Bard Center for Environmental Policy Search, Human Resources-9006, Bard College, P.O. Box 5000, Annandale-on-Hudson, NY 12504-5000. Additional information at website: www.bard.edu/cep or e-mail: dgo@bard.edu. Affirmative Action/Equal Opportunity Employer.

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