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Hepatology Physician Scientists and Hepatology Researchers

Multiple tenure-track or tenured faculty positions are available at the University of Kansas Medical Center (KUMC) to study liver health and disease. The Department of Medicine, the Department of Pharmacology, the Liver Center, and the Cancer Center at KUMC are working together to recruit dynamic investigators who focus on liver research to complement the existing strengths of our organization. Please visit websites: http://www.kumc.edu/livercenter and http://kmcri.kumc.edu to see a listing of our research expertise. We are interested in researchers specializing in areas including, but not limited to liver cancer, metabolic syndrome, alcohol- and nonalcoholic-induced steatohepatitis, inflammation, chemical- and hepatitis viral-induced liver injury, liver regeneration, and apoptosis. Physician scientists will be provided significant protected research time. Researchers with National Cancer Institute funding are encouraged to apply. Salary and rank will commensurate with experience. Generous competitive startup funds will be offered. Applicants should have an M.D. and/or Ph.D. degree. Applicants should provide the names of three references, curriculum vitae, and a statement of research interests to review the position description and apply online to go to website: http://jobs.kumc.edu and search for position J0083463. The University of Kansas Medical Center is proud to be an Equal Opportunity/Affirmative Action Employer.

Ecosystems Ecologist

Carleton College

The Department of Biology invites applications for a temporary one-year position for the 2008-2009 academic year, starting 1 September 2008. Teaching responsibilities include (1) an upper-level course in ecosystems (ecology with laboratory); (2) a nonmajors course in global change biology; (3) an upper-level course in area of expertise, such as ecophysiology or paleoecology; and (4) introductory biology laboratories. Candidates should be committed to excellence in undergraduate teaching in a liberal arts environment.

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Hepatology Physician Scientists and Hepatology Researchers

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A BOOST FOR VACCINE RESEARCH

Tremendous strides have been made in eradicating infectious disease scourges such as smallpox and polio that once killed and crippled millions; still, about 15 million deaths—or about one third of all deaths annually—result from infectious diseases worldwide, according to the World Health Organization. Of those, nearly half involve children under the age of 5 years, predominantly in poorer countries. The ongoing hefty death toll, the pharmaceutical industry’s increasing interest in the research and development of vaccines, and plentiful funding from multiple sources all combine to provide a range of opportunities for postdocs and graduate students in vaccine research. The field is high growth and, perhaps more important, the fruits of this work promise to have a real impact on the health of the world’s population. By Emma Hitt

A recent estimate of the global vaccine business by Lehman Brothers predicts that the vaccine industry will grow at a rate of 18 percent a year to $30 billion by 2011—significantly faster than the average of 4.4 percent for the pharmaceutical industry overall. “Today we see more opportunity than ever to be gained from investing in vaccine research,” says Keith Gottesdiener, vice president for vaccine and infectious disease clinical research with Merck. “The reasons for the growth of the industry include increased funding, from both governmental and private sources, as well as an increased scientific understanding of the immune system that will enable real breakthroughs in the field,” he says. And increased growth translates into a stronger job market with more opportunities (see “Expansive Opportunities”).

Recent blockbuster vaccines have included Gardasil and Cervarix, vaccines against certain human papillomavirus strains that cause cervical cancer, and Prevnar, the pneumococcal conjugate vaccine. Currently, about 20 vaccines are in development for HIV and are producing mixed results. The recent phase 2 STEP trial of the HIV vaccine (V520) showed disappointing results, but another vaccine made by GeoVax will be moving into phase 2 clinical trials in the next few months based on promising phase 1 results. VaxInnate is testing a universal flu vaccine that would work against all strains of the disease by using a Toll-like receptor (TLR) technology platform. Numerous experimental vaccines designed to ward off infections such as Japanese encephalitis virus, herpes simplex virus, and B cell lymphoma, and even to counter cocaine addiction, are under evaluation.

While vaccine research is clearly a growing field, this has not always been the case, notes Alan Shaw, CEO of VaxInnate, and the trend represents a stark contrast to the situation in the 1970s and 1980s, when many pharmaceutical companies exited the field due to poor economics and high risk of litigation. “A mere handful stayed in this business, but now, vaccines are seen as both economically and technologically interesting” he says. “A benefit of serving this area of research and participating in the development of a successful vaccine is that it is immensely satisfying. You can literally watch a disease disappear.”

Booster Shot for Funding

Increased funding has dramatically facilitated advances in the field within the past few years. To bring a vaccine through the R&D process to delivery can cost as much as $500 million, and the probability that a preclinical vaccine candidate will fail to come to market is about five times higher than its likelihood of success, according to a World Health Organization continued »
Office of New Drugs/Division of Special Pathogen and Transplant Products

MICROBIOLOGY CAREER OPPORTUNITIES

The Office of New Drugs/Division of Special Pathogen and Transplant Products (DSPTP), located at our new consolidated FDA campus in Silver Spring, Maryland, is recruiting MICROBIOLOGISTS to serve as Review Microbiologists in the dynamic, highly challenging and innovative atmosphere of drug development and research. Review Microbiologists provide scientific and regulatory guidance to sponsors through all phases of drug development, including the review of the activity of the product, overall microbiological drug development programs and evaluation of the results.

If you are looking for the opportunity to:

• Advance the public health through participation in the process of new drug development in the areas of antibacterial, antifungal, antiparasitic, and immunomodulators including transplant products for human use
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QUALIFICATIONS: Basic requirements for this position are a degree in microbiology, biochemistry, or basic medical science that includes 20 semester hours in microbiology and other subjects related to the study of microorganisms, and 20 semester hours in the physical and mathematical sciences combining course work in organic chemistry and biochemistry, physics, and college algebra, or their equivalent. Candidates for Civil Service or U.S. Commissioned Corps must be U.S. citizens. Permanent U.S. residents may apply for staff fellowship appointments.

HIGHLY DESIRABLE: A doctorate degree with at least two years experience in clinical microbiology. Also desirable is experience in assessment of the mechanisms of actions and resistance to anti-infectives; epidemiology of infectious diseases; work with animal models of infectious diseases; evaluation of clinical/microbial efficacy data from clinical trials; and determining in vitro susceptibility test interpretive criteria.

FOR CONSIDERATION: Submit electronic curriculum vitae with a cover letter to the Recruitment Team via e-mail at: OND-Employment@fda.hhs.gov no later than June 1, 2008. Please indicate that you are applying to source code #08-022.

For more information, please contact the Office of New Drugs/Recruitment Team at 301-796-0800.

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Global Collaborations
Vaccine research presents many opportunities for those interested in traveling to the far reaches of the globe. The GAVI Alliance (formerly known as the Global Alliance for Vaccines and Immunization) has been in existence since 2000 and seeks to “align public and private resources in a global effort to create greater access to the benefits of immunization.” According to a 2008 UNICEF report, the Alliance’s financial and programmatic support to vaccinate children around the world has helped prevent 2.9 million deaths since 2000 and decreased child mortality to less than 10 million per year for the first time ever.

“There has been a complete change in the attitudes of all involved in believing that vaccine coverage worldwide is possible and also that we can introduce and sustain that coverage in developing countries,” notes Rosamund Lewis, with the GAVI Alliance. Lewis points out that they have been able to make relatively new vaccines, such as the pneumococcal vaccine, sold in the West since 2003, available to developing countries. “So the time lag between vaccine licensing and vaccine introduction in developing countries has been reduced from 20 years to less than 10 years for other products [Hib and Pneumo vaccines for example].” Another example is the rotavirus vaccine, which was put on the market in the West just last year. “We are already introducing this vaccine to developing countries, so we have reduced the gap to two years, which is our aim. The other aim is to introduce vaccines that are of special interest to developing countries, such as a malaria vaccine,” she says.

The International Vaccine Institute, established under the Vienna Convention of 1969 with the signatures of 40 countries and the WHO, is headquartered in Seoul, South Korea. The IVI also focuses on bringing new vaccines to developing countries. According to John Clemens, the IVI’s director-general, its immunology programs have focused on research and supply of vaccines against diarrheal diseases, bacterial meningitis and pneumonia, dengue fever, and Japanese encephalitis. “Our immunology program has a special interest in mucosal immunology and the development of improved clinical immunological tests that can be used in field evaluations in developing countries,” he says. “A particularly noteworthy accomplishment by the IVI has been the development of a sublingually administered vaccine which has demonstrated efficacy in eliciting mucosal immunity against respiratory and genital tract infections,” he notes.

According to Clemens, the IVI has a variety of programs and opportunities ranging from laboratory internships to pre- and postdoctoral student and fellowship opportunities. The institute also has shorter term training opportunities lasting a few months. The IVI has three divisions: the Division of Translational Research focuses on the treatment and prevention of pediatric dengue, Japanese encephalitis, respiratory pathogens, and rotavirus as well as “diseases of the most impoverished,” including typhoid fever, cholera, and shigella; the Division of Laboratory Sciences focuses on developing novel formulations and delivery systems for vaccines; and the Technical Assistance and Technology Transfer Program provides assistance in manufacturing practices and regulation in developing countries.

The Aeras Global TB Vaccine Foundation, a nonprofit product development partnership working in collaboration with private, government, industrial, and academic institutions, focuses on developing new vaccines against TB and ensuring their availability to all who need them globally. In September 2007, Aeras received a $200 million grant from the Bill & Melinda Gates Foundation to accelerate TB vaccine development. “We seek to make TB vaccine regimens for infants and adolescents available and licensed in the next seven to nine years,” according to Yasar Skeiky, chief scientific officer of Aeras. “The disease of TB is probably worse than it was decades ago in terms of the health impact of drug resistant strains and coinfection with HIV,” he says, “and drug resistance is now extensive.”

According to Skeiky, Aeras’s state-of-the-art manufacturing plant in Rockville, Maryland, can produce ~200 million doses per year of the recombinant bacille Calmette-Guerin (BCG) vaccine against TB, enough to meet global need. However, the BCG vaccine was developed 86 years ago, and TB, with increasing drug resistance, now kills more than 1.5 million people each year, second only to HIV/AIDS as the world’s most
deadly infectious disease. Aeras' current pipeline includes six phase 1/2 vaccine candidates designed to combat multidrug-resistant (MDR) (resistant to first-line drugs) and extensively drug-resistant (XDR) TB (resistant to second-line drugs).

Lewis of GAVI points out that there is a need for people who can work toward enabling the delivery of vaccines to the people who need them. “Students interested in this area could enter into any number of fields in addition to immunology research, including public health, epidemiology, and health economics,” she says.

Needs and Emerging Challenges
Pressing needs in vaccine research will ensure opportunities in the field for years to come. “Obviously, we still have HIV, tuberculosis, and malaria staring us in the face,” says Vaxinnate’s Shaw. “Most people in the industry would say that the easy vaccines have been developed already,” he says.

“Understanding the host response will be a critical area in vaccine research,” says George Kemble, vice president of research and development for MedImmune Vaccines, recently purchased by AstraZeneca. According to Kemble, many of today’s vaccines were created by relying on the natural immune response mechanisms. “Our ability to control these reactions and use them to form a response to the vaccine will be critical in designing the next generation of vaccines,” Kemble says.

Bioterrorism is another important and well-funded area in vaccine research. Concerns for national and international security have supplied impetus for an influx of funding for biodefense vaccines and emerging infection vaccines in the past five years. The Centers for Disease Control and Prevention in Atlanta, Georgia, is a pioneer of research on organisms such as anthrax, botulism, plague, smallpox, and viral hemorrhagic fevers.

Expansive Opportunities
A keyword search on “vaccine” at Science Careers (www.sciencecareers.org) and other science job boards illustrates a range of diverse opportunities in vaccine research for which a Ph.D. is preferred or required. Here are sample job titles and the key responsibilities:

- **Business Development Associate.** Identify and secure partners for products and technology developed by the company. Responsible for securing strategic product development and commercialization partnerships in the context of obtaining structured and long-term revenue to support and sustain R&D/commercial programs.
- **Clinical Researcher.** Ensure that clinical trials are conducted in a timely manner and in accordance with regulations. In collaboration with the global clinical team, responsible for overall assessment, initiation, and management of vaccine clinical research investigators and sites.
- **Director of Quality Assurance.** Ensure that vaccine and diagnostics distribution activities are performed in compliance with the good distribution practice requirements and function as the point of contact for companies performing vaccine activities for vaccine products.
- **Program Manager.** Manage programmatic, scientific, and administrative aspects of grants research programs at a vaccine research institute.
- **Project Director.** Manage a large consortium of investigators in imaging (PET/CT) of animal models of tuberculosis, for the purpose of understanding current chemotherapy as well as development of new therapies.

Diverse Skill Sets
The need for skilled scientists at several levels is likely to increase in this field. “The field of vaccine research intersects with areas of public health, economics, politics, ethics, and patent/intellectual property issues. Opportunities exist for people with expertise including infectious diseases, epidemiology, molecular biology, immunology, and biostatistics,” says Eileen Barry, with the Center for Vaccine Development at the University of Maryland in Baltimore.

Notably, the basic skills needed for vaccine research are taught in most universities: immunology, molecular biology, protein purification and analysis, epidemiology, biostatistics, biochemical engineering. “There will always be a need for people who have a strong background in basic science such as biology, chemistry, bacteriology, and immunology. Molecular biology and bioinformatics will be two of the areas in vaccine research with the strongest needs,” says GSK’s Burt.

So whatever your life science training, there could be a rewarding job for you in vaccine research. Exciting opportunities to travel and the ability to make a real difference to the health of humankind await.

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

DOI: 10.1126/science.opms.r0800051

**Regulatory Affairs Scientist.** Guides and implements the regulatory process for preclinical evaluation of HIV vaccine products leading to phase 1 IND submissions to the US Food and Drug Administration within the US Military HIV Research Program.

**Research Fellow, In Vivo Vaccine Research.** Responsible for providing creative inputs on vaccine development strategies, design and construction of live recombinant viruses, and subsequent characterization. Additional postdoctoral experience may be required.

**Research Specialist.** Research specific vaccines for the development and evaluation of novel vaccine delivery systems.

**Vaccine Formulation Development.** Formulates development activities of prophylactic and/or therapeutic vaccine products from phase 1 clinical trials through commercialization. The position will involve use of innovative and modern techniques to develop and characterize viable dosage forms with appropriate stability profiles of candidate molecules to meet project needs.

Aeras Global TB Vaccine Foundation
www.aeras.org

AstraZeneca
www.astrazeneca.com

GAVI Alliance
www.gavialliance.org

GlaxoSmithKline
www.gsk.com

International Vaccine Institute
www.ivi.org

Merck
www.merck.com

University of Maryland Center for Vaccine Development
www.medschool.umaryland.edu

Vaxinnate
www.vaxinnate.com

World Health Organization
www.who.int
Pfizer La Jolla, Vaccines Research
Senior Research Vaccinologist

Vaccines Research La Jolla seeks to discover novel therapeutic vaccines for the treatment of significant human disease in multiple Therapeutic Areas. Pfizer has a variety of vaccine technology platforms available to combine with Pfizer immunomodulatory agents and other adjuvants. A recognized and published vaccinologist with strong understanding of immune system induction, especially T-cell (helper and cytolytic) response, is needed to join Vaccines Research La Jolla. This senior position will have major influence in the overall vaccine strategy, be a leader in the scientific prosecution of the portfolio of vaccine projects, and design testing cascades for in vitro and in vivo molecular, cellular and in vivo experimental approaches.

Vaccines Research La Jolla has a major focus on cancer vaccines. The candidate will have a command of vaccine technologies for antigen and adjuvant design to co-stimulate the immune system and not be limited in antigen delivery platforms for developing optimal prime/boost strategies. Experience in one or all of the following areas is desirable: design of DNA, protein, viral vector or VLP vaccines; testing of vaccines in vivo and humans for efficacy; be well versed in cellular immunology ex vivo and in vivo; assessing the inhibitory effects of regulatory T cells on T cell effectors; characterization of biological adjuvants to increase immunogenicity of vaccines; and, strategies for breaking tolerance against self antigens. Experience in the use of novel vaccine delivery methods such as protein vaccines; DNA plasmid based vaccines, and viral vectors is required as is the characterization of traditional and biological adjuvants to increase immunogenicity of vaccines to induce exogenous host anti-tumor response (including cytokines). Experience in the translation of preclinical results to early human clinical trials is highly desired.

We are seeking an MD/PhD or PhD with demonstrated research productivity in preclinical vaccine research as well as having participated in the early clinical evaluation of immunotherapeutic or adjuvanted vaccine product candidates. The candidate will be required to lead and direct scientists and be accountable for project progress leading to project milestone decisions. The position will provide leadership not only to La Jolla Vaccines Research but also to the global Vaccine Research organization.

To apply, visit www.pfizer.jobs and search for Req # 078327.

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Morphotek Inc., located in Exton, PA, is a rapidly growing biotechnology company with a brilliant future. Our focus is on the development of specially designed monoclonal antibody-based drug candidates for the treatment of cancer, infectious disease, and immune disorders. We are currently seeking interested candidates for the position of Senior Scientist.

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• Direct a group of research associates and collaborate with others to complete projects.

Requirements and qualifications include:
• PhD in Immunology, Oncology, or related discipline.
• Thorough knowledge of Immunology, particularly B lymphocyte development and dendritic cell functions.
• 3+ years of postdoctoral experience in academia or research in industry with a high level of accomplishment in modern human and/or murine immunology as evidenced by publications in top tier journals.
• Experience with flow cytometry and mammalian cell culture required, additional relevant experience in cell biology, molecular biology, and biochemistry is a plus.

Interested candidates should apply through the “careers” link at our website, www.morphotek.com, or email a resume to Terry Cushmore, Manager of Talent Acquisition, at tushmore@morphotek.com.

Tulane University is seeking candidates to lead the successful Center for Gene Therapy. Tulane’s Center for Gene Therapy was established in 2000 and has been particularly successful in studies of adult stem cells. The Center has abundant current and future resources and is housed in approximately 20,000 sq. ft. of modern laboratory space. The Center also benefits from collaborations at the Tulane National Primate Research Center and the Tulane School of Public Health. The Center for Gene Therapy is supported by research funds from NIH and the state of Louisiana via the Louisiana Gene Therapy Research Consortium and the Louisiana Board of Regents. The Center is a major participant in the Louisiana Gene Therapy Research Consortium that includes gene therapy centers at the LSU Health Sciences Centers in New Orleans and in Shreveport. Tulane is seeking an outstanding senior investigator to lead the Center during its next phase of growth. The investigator is expected to have significant experience in adult stem cells or complementary areas. See http://www.son.tulane.edu/gene_therapy/overview.shtml for additional information about Tulane University Center for Gene Therapy.

The advertising and search process will remain active until the position is filled. Salary and start-up support is negotiable. Interested applicants should contact:

L. Lee Hamm, M.D.
Executive Vice Dean
Tulane University School of Medicine
1430 Tulane Avenue
New Orleans, LA 70112
phone 504-988-7800
Email: lhamm@tulane.edu

Tulane University is an Equal Employment Opportunity/ADA/Affirmative Action Employer committed to excellence through diversity. All eligible candidates are invited to apply for position vacancies as appropriate. Women, minorities and veterans are encouraged to apply.
NIAID Needs You Because the World Needs Us

Staff Scientist - Nonhuman Primate Immunogenicity Core

The VRC brings together a diverse group of scientists with the goal of advancing vaccine-related research as well as initiating and advancing vaccine candidates through clinical trials. Crucial to the basic and preclinical efforts are immunological evaluations in the nonhuman primate (NHP) model. In terms of basic research, the VRC is actively involved in studying innate and adaptive immune responses, lymphocyte trafficking, the generation and maintenance of memory responses in systemic and mucosal sites, as well as pathogenesis following SIV infection. In translational research, the VRC is optimizing immunogenicity of a variety of different platforms and vectors by studying the effects of adjuvants, schedules, and delivery platforms for vaccine vectors. Finally, the VRC conducts preclinical testing of vaccines in the NHP model; these data are used to support moving clinical products forward to human testing and can be critical to regulatory filings.

To support these efforts, the VRC has created the NHP Immunogenicity Core (NIC). Currently, we are recruiting a Staff Scientist (Core) to lead the NIC. This individual will oversee all NIC operations, including (1) consulting on the design and implementation of NHP studies; (2) coordinating all studies, sample collection, and analysis with the VRC Laboratory of Animal Medicine, including writing and defending Animal Study Protocols before the Institutional ACUC; (3) developing standard operating procedures for, and validating, cellular and humoral immunogenicity assays; (4) implementing all testing according to GLP guidelines; (5) collating, analyzing, and coordinating all data; and (6) preparing oral and written presentations of studies for both internal and external use. In addition, the Staff Scientist will coordinate with VRC Principal Investigators to design, implement, and analyze immunogenicity and immunopathogenesis experiments for basic research projects.

We are looking for a highly experienced, motivated, and creative individual with a Ph.D. or M.D. and at least five years of postdoctoral experience to head the NIC. Candidates with experience in the NHP model and/or experience with GLP will have a significant advantage. The position is available immediately. Interested candidates should contact Mario Roederer for more information.

Mario Roederer
VRC, NIAID, NIH
40 Convent Dr., Room 3509
Bethesda, MD 20892-3015
301-594-8491; FAX 301-480-2788
Email: Roederer@nih.gov

VACCINE RESEARCH CENTER
National Institute of Allergy and Infectious Diseases
National Institutes of Health
Department of Health and Human Services

Director, Research and Development Laboratory
Cell Processing

The Department of Transfusion Medicine at the National Institutes of Health is seeking an outstanding scientist and leader for the position of Director, Research and Development Laboratory, Cell Processing Section at the largest hospital in the world totally dedicated to translational clinical research. The Research and Development Laboratory has 4 full time staff that develop, scale up, and validate clinical cellular and gene therapies and develop new processing methods and procedures and novel assays to evaluate cell and gene therapies.

The Director will have the opportunity to develop collaborative translational research programs. The laboratory is part of a state of art core facility for clinical cell isolation, culture, gene transduction, cryopreservation, and flow cytometry. The Cell Processing Section is one of four clinical sections within the Department of Transfusion Medicine which has extraordinary facilities for blood collection, apheresis, HLA and molecular diagnostics and a GMP facility for cell processing. The Department includes 5 physicians, 120 staff, and active clinical and research training programs.

The ideal candidate for this position should have a Ph.D. or M.D. and advanced training or experience in cell biology, immunology and/or gene transduction and a history of academic accomplishment, and a commitment to excellence in research, service, and teaching. Applicants must be U.S. citizens, resident aliens, or nonresident aliens eligible for an employment-authorized visa. Salary is commensurate with research experience and accomplishments, and a full benefits package (including retirement, health, life and long-term care insurance, Thrift Savings Plan participation, etc.) is available.

Please submit your curriculum vitae, bibliography, and a letter describing your research, cell and gene therapy, and leadership experience by May 16, 2008 to: Lacey Gholson, Administrative Officer, NIH/CC/DTM, 10 Center Drive, Bldg. 10/Rm 1C-711, (MSC 1184), Bethesda MD 20892-1184.

Chemical Biology Postdoctoral Fellows

The NIH Chemical Genomics Center (NCGC, www.ncgc.nih.gov) uses the tools of small molecule discovery to develop chemical probes for the study of protein and cell functions. The Center performs automated high-throughput screening (HTS) on assays submitted by the research community and carries out chemistry optimization on confirmed hits to produce chemical probes.

We are seeking highly qualified and motivated individuals to join the Biomolecular Screening Division as NIH Postdoctoral Fellows. The NCGC is a unique and exciting environment employing technologies on the cutting edge of small molecular screening and chemical genomics. Fellows will engage in biochemical/cellular assay development and miniaturization, automated HTS, and hit profiling assays. They will also interact regularly with chemists and informatics scientists to aid molecular probe development. Candidates are expected to contribute to the writing and publishing of scientific manuscripts. Minimum requirements include PhD in biology/chemistry/biochemistry/cell biology, with solid understanding of enzymology, ligand binding assays, general aspects of signal transduction and fluorescent measurement techniques. Experience in laboratory automation, screening, or small molecule libraries is a plus. Meticulous lab technique and recording, plus excellent computer skills are a must. Effective oral and written communication skills combined with high level of motivation and ability to thrive in an interactive, fast-paced environment are also preferred.

Applicants should send a letter stating their research interests and goals, a CV including bibliography, and arrange for three letters of reference to be sent by email to ncgc@mail.nih.gov. DHHS and NIH are Equal Opportunity Employers.
Recruitment of Groups of Independent Neuroscientists

The Neuroscience Center of Excellence at the School of Medicine, Louisiana State University Health Sciences Center, New Orleans, LA is seeking groups of Independent Neuroscientists that wish to relocate to another institution. Very competitive compensation and start-up packages are available. The Center is a dynamic and interactive scientific community that provides a highly stimulating intellectual environment with a strong mentoring emphasis of younger neuroscientists as well as a grantmanship program. Complex and diverse neurobiological problems are studied at multiple levels and with multidisciplinary approaches. Fundamental neuroscience research, neurological and ophthalmic disease mechanisms are of major interest, as well as translational neuroscience.

Current projects and resources include: neuroimaging (2 multiphoton confocal microscopes for synapse imaging, deconvolution and confocal microscopes), synaptic transmission, plasticity and mechanisms of memory (dendritic integration), lipidomics, cellular electrophysiology, computational neuroscience (multi-node cluster processor), sensory neuroscience (photoreceptors, retinal pigment epithelial cells, and auditory system) and molecular neuroscience. The Center also has active projects on various aspects of the neurobiology of disease, which includes mechanisms of ischemia-reperfusion damage, apoptotic pathways, neuropathic pain, neuroinflammatory signaling, Alzheimer’s disease, neuroprotective signaling, growth factors and wound healing in experimental models of eye disease, retinitis pigmentosa, macular degeneration, and epilepsy. Members of the Center also have access to institutional core facilities equipment. For additional information about the Neuroscience Center, please visit our website: [http://www.medschool.lsuhsc.edu/neuroscience](http://www.medschool.lsuhsc.edu/neuroscience).

Preference will be given to candidates with federal funding. A PhD or MD/PhD is required for all positions. Send CV, three letters of reference and a research statement to:

Dr. Nicolas G. Bazan
Director, Neuroscience Center of Excellence
c/o Wendy Roark
Louisiana State University Health Sciences Center
Neuroscience Center of Excellence
2020 Gravier St., Suite D
New Orleans, LA 70112
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**Independent Junior Group Leader Positions**

**Function and Dysfunction of the Nervous System**

(5 years, Tenure track)

The MDC Berlin-Buch is a member of the Helmholtz Association of National Research Centers, supported by the Federal Government of Germany and the Land Berlin. It is a biomedical research institute dedicated to interdisciplinary research in the areas of (i) Cardiovascular and Metabolic diseases, (ii) Cancer, and (iii) Function and Dysfunction of Nervous System.

The MDC is committed to expanding its impact in the field of Neuroscience and is seeking applications from outstanding individuals. Applications are encouraged from individuals working in all areas of neuroscience. Applicants using molecular approaches to study synaptic function and dysfunction or state of the art in vivo methods to analyze neuronal activity in behaving animals are especially encouraged.

Successful candidates will conduct visionary independent research, obtain extramural funding and engage in collaborative projects with groups at the MDC and the MDC-associated clinics of the Charité – Universitätsmedizin Berlin.

Successful candidates may be invited to apply for a Helmholtz-University Young Investigator Group or a Helmholtz Young Investigator Group, sponsored by the President’s Initiative and Networking Fund (see: [http://www.helmholtz-berlin.de/aktuelles/Helmholtz-Asschreiber/Helmholtz-Nachwuchsgruppen.html](http://www.helmholtz-berlin.de/aktuelles/Helmholtz-Asschreiber/Helmholtz-Nachwuchsgruppen.html)). The applications of women are explicitly encouraged.

For further information about the MDC Berlin-Buch please visit our web site ([http://www.mdc-berlin.de](http://www.mdc-berlin.de)). For enquiries about the position contact Christina Quensel (cquensel@mdc-berlin.de).

Applications should be sent by May 5, 2008, including a curriculum vitae, list of publications, an outline of present and planned research and other relevant material to:

Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch
Scientific Director, Prof. Dr. Walter Birchmeier
POB 740238, 13092 Berlin, Germany

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**University of Massachusetts Medical School**

**Recruiting for two positions:**

**Director for Center for Stem Cell Biology and Regenerative Medicine**

**Chief Scientist, International Stem Cell Registry and Human Embryonic Stem Cell Bank**

The University of Massachusetts Medical School is searching for a senior leader to direct a new program in Stem Cell Biology. The academic appointment will be on the tenure track at the Associate or Professor level. The program will have state-of-the-art research facilities with space and funding to support a substantial number of new tenure track faculty including a Chief Scientist at the newly established International Stem Cell Registry and Human Embryonic Stem Cell Bank. The Stem Cell Program is expected to have common interests and will work closely with programs that are being developed in RNAi Therapeutics and Gene Therapy.

Successful applicants will be leaders in their respective fields with internationally recognized research programs, and have the vision and ability to recruit outstanding and diverse faculty.

The Chief Scientist will report directly to the Stem Cell Center Director. The academic appointment will be on the tenure track at the Associate or Professor level. The program will be housed in a state-of-the-art laboratory and administrative facility. This position offers an excellent opportunity for an outstanding scientist to provide leadership to a staff of over 20 technical and support personnel and expertise that will contribute to the growth of these programs, while having the flexibility to pursue extramurally funded human embryonic stem cell research.

Applicants must have a PhD, MD/PhD, or MD degree (or the equivalent), accomplishments in biomedical research, and have a track record of administrative expertise, leadership and research in scientific areas relevant to stem cell biology.

Together, these programs will be an important component of the University of Massachusetts commitment to clinical and translational science. The program will play a pivotal role in the development of the UMASS Advanced Therapeutic Cluster, a key element of the Commonwealth of Massachusetts Life Sciences Initiative.

Applications should include a curriculum vitae and a cover letter describing relevant research, experiences, and the names of three references. Applications should be sent electronically to: garystein@umassmed.edu.

**Dr. Gary S. Stein**

Chair, Search Committee
Department of Cell Biology
University of Massachusetts Medical School
55 Lake Ave. North
Worcester, MA 01655

As an Equal Opportunity and Affirmative Action Employer, UMass recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives, and backgrounds.
The Howard Hughes Medical Institute invites applications from highly promising scientists from the full range of disciplines relevant to biological and medical inquiry who have led independent laboratories for two to six years. HHMI will provide flexible research support to as many as 70 individuals.

Eligibility

- Tenure-track or equivalent position at an eligible U.S. institution with a rank of assistant professor or higher
- Two to six years of experience since first appointment as an assistant professor or equivalent

Candidates must indicate their intent to apply before submitting an application.

Deadline for intent to apply:
April 30, 2008, at 2:00 p.m. ET

Application deadline:
June 10, 2008, at 2:00 p.m. ET

Intent to apply and application:
www.hhmi.org/earlycareer2009/sci

The HHMI Early Career Scientist Program comes at a critical time for the nation and the long-term health of its research infrastructure. The initiative reflects HHMI’s view that the constrained funding environment has inhibited the ability of highly creative academic scientists to establish and develop their research programs.

HHMI will select up to 70 early career scientists who have led laboratories for two to six years at one of the approximately 200 U.S. medical schools, universities, and research institutes that are eligible for this competition. Early career scientists will receive nonrenewable six-year appointments to HHMI and substantial research support while remaining affiliated with their home institutions. Candidates must apply directly to HHMI.

HHMI, a nonprofit medical research organization, plays a powerful role in advancing biomedical research and education in the United States. HHMI’s flagship program in biomedical research rests on the conviction that scientists of exceptional talent, commitment, and imagination will make fundamental biological discoveries for the betterment of human health if they receive the resources, time, and freedom to pursue challenging questions.

The Howard Hughes Medical Institute is an equal opportunity employer.
The recently established Center for Tissue and Cell Sciences of the Seattle Children’s Hospital Research Institute invites applications for a full-time faculty position from established investigators who are applying techniques of molecular, genetic or cellular biology to study mechanisms of tissue response to injury. The Center’s research vision is to restore children’s health through repair, regeneration, or replacement of tissues, cells, and organs. The applicant’s area of research interest should be complementary to the interests of current faculty working on tissue inflammation and fibrosis. The successful candidate must have a M.D. and/or Ph.D. degree and active nationally funded research grants.

Responsibilities of the position include development of an independent, extramurally funded research program and teaching and mentoring graduate and post-doctoral students and junior faculty investigators. Address any inquiries to Dr. Allison Eddy, Center Director, at allison.eddy@seattlechildrens.org. This position is open until filled. Please send CV, a statement of current and future research interests and the names and contact information of three referees to:

Mackenzie Krouse
Seattle Children’s Hospital Research Institute
1900 Ninth Avenue
M/S C9S-9
Seattle, WA 98101

For more information about Seattle Children’s Hospital Research Institute, please visit: http://research.seattlechildrens.org

All University of Washington faculty engage in teaching, research, and service. The University of Washington is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
Imagine a company with the right focus and the commitment to become a global leader. Imagine a company large enough to develop cutting edge pharmaceutical products, yet small enough to make a difference from day one. Imagine yourself at Astellas.

www.astellas.com/us

Registration form: www.frontiers-in-genetics.org

Application deadline: May 3, 2008

Frontiers in Genetics proposes an international program for doctoral training supported by the Swiss National Science Foundation. The program is based at the University of Geneva but includes participating members at the Universities of Lausanne, Zurich and Basel, at the Swiss Federal Institutes of Technology in Lausanne and Zurich, at the Swiss Institute for Experimental Cancer Research (Lausanne) and the Friedrich Miescher Institute (Basel). The program accepts students wishing to carry out a PhD starting in October 2008 and provides a strong background in molecular genetic, genomic and proteomic approaches for the study of modern biological problems. We are seeking outstanding candidates with a degree in biological sciences and a curricular focus in molecular biology who intend to pursue a career in research.

We are seeking candidates with a degree in biological sciences and a curricular focus in molecular biology who intend to pursue a career in research. Applicants should send the registration form, a letter describing their interests, background and research experience, an official transcript of their university curriculum with grades, and 3 letters of recommendation to:

Ms. Bérénice Krebs
National Center of Competence in Research Frontiers in Genetics
CH - 1211 Geneva 4, Switzerland

Please quote ref. C25415

The University of Nottingham
http://jobs.nottingham.ac.uk/C25415

The University of Birmingham
http://www.birmingham.ac.uk/deacanies/physicalsciences/careers

For more details and/or to apply online please access:

http://jobs.nottingham.ac.uk/C25415

Tel: 0115 951 3262/Fax: 0115 951 5205

Tel: 0121 414 2931/Fax: 0121 414 4802

Salary can progress to £46,759 per annum subject to performance.

Midlands Ultracold Atom Research Centre

Lecturers (Four posts)

Experimental cold atom physics

£30,012 - £40,335 pa

Salary can progress to £46,759 per annum subject to performance.

For more details and/or to apply online please access:

The University of Nottingham
http://jobs.nottingham.ac.uk/C25415

Tel: 0115 951 3262/Fax: 0115 951 5205

Tel: 0121 414 2931/Fax: 0121 414 4802

Salary can progress to £46,759 per annum subject to performance.

For more details and/or to apply online please access:

http://jobs.nottingham.ac.uk/C25415

Tel: 0115 951 3262/Fax: 0115 951 5205

Tel: 0121 414 2931/Fax: 0121 414 4802

http://jobs.nottingham.ac.uk/C25415

Tel: 0115 951 3262/Fax: 0115 951 5205

Tel: 0121 414 2931/Fax: 0121 414 4802

http://jobs.nottingham.ac.uk/C25415

Tel: 0115 951 3262/Fax: 0115 951 5205

Tel: 0121 414 2931/Fax: 0121 414 4802
The Department of Geosciences at Princeton University is seeking applications for a faculty position in the area of atmospheric and oceanic sciences, including such topics as:

- climate dynamics
- atmospheric physics and chemistry
- ocean circulation and biogeochemistry
- land-climate interactions including glaciology and biogeochemistry

The individual selected will have their principal appointment in the Department of Geosciences and will be a member of the Program in Atmospheric and Oceanic Sciences (AOS), a longstanding collaboration between Princeton Geosciences and the NOAA Geophysical Fluid Dynamics Laboratory (GFDL) (see the website at http://www.aos.princeton.edu). The appointment may be made at either the assistant professor or tenured faculty level.

Individuals whose research interests complement the modeling capabilities and other ongoing activities within the AOS Program and at GFDL (http://www.gfdl.noaa.gov) are particularly encouraged to apply. Potential collaborators are also found in the Department of Geosciences (http://www.geoweb.princeton.edu) and across the University, in particular, in the Departments of Ecology and Evolutionary Biology (http://www.eeb.princeton.edu) and Civil and Environmental Engineering (http://www.cee.princeton.edu). Information about several ongoing interdisciplinary research collaborations across campus and with GFDL can be found on the website of the Princeton Environmental Institute (http://web.princeton.edu/sites/pei/research.html).

Applicants should send a curriculum vitae, including a publication list, a statement of research and teaching interests, and contact information for three references to: AOS Search Committee, Department of Geosciences, Guyot Hall, Princeton University, Princeton, NJ 08544. The starting date is flexible, ranging up to September 2010. Evaluation of applications will begin immediately; interviews of candidates will begin in the fall of 2008 and will continue until the position is filled. For general information about applying to Princeton and how to self-identify, please link to http://web.princeton.edu/sites/dof/ApplicantsInfo.htm.

Princeton University is an Equal Opportunity Employer and complies with applicable EEO and Affirmative Action regulations.
German Cancer Research Center (DKFZ, Deutsches Krebsforschungszentrum) Member of the Helmholtz-Gemeinschaft, HGF

The mission of the German Cancer Research Center (DKFZ) is to unravel mechanisms of cancer development and to establish novel approaches for the diagnosis, treatment, and prevention of cancer. As a leading biomedical research center in Germany, our programs focus on basic and translational cancer research. The German Cancer Research Center is a foundation under public law and a member of the Helmholtz Association of National Research Centers (Helmholtz-Gemeinschaft Deutscher Forschungszentren).

The following position is available at the German Cancer Research Center (DKFZ) in cooperation with the Faculty of Biosciences at the University of Heidelberg:

**Professorship (W3) and Division Head for Cellular Immunology**

We are seeking a candidate with an outstanding research record and international reputation, who studies fundamental questions in immunology, continuing a tradition of excellence in this discipline at DKFZ. The research program of the successful candidate is expected to strengthen the existing research program “Tumor Immunology” of the DKFZ. Candidates should hold a PhD or MD degree. The successful candidate will have the possibility to participate in graduate and postgraduate programs of the Faculty of Biosciences at the University of Heidelberg.

The professorship is tenured. First professorial appointments are limited in time before tenure can be granted. DKFZ is committed to increase the percentage of female scientists and encourages in particular female applicants. Among candidates of equal aptitude and qualifications, a person with disabilities will be given preference.

Applications, including curriculum vitae, list of publications, and a research program, should be sent to Prof. Dr. Otmar D. Wiestler, Chairman, Deutsches Krebsforschungszentrum, Im Neuenheimer Feld 280, 69120 Heidelberg, Germany (e-mail: o.wiestler@dkfz.de) not later than May 2, 2008.

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Faculty of Engineering & Faculty of Biological Sciences

The University of Leeds is seeking to make two Research Council UK Fellow appointments in the areas of Environmentally Sustainable Aviation and Quantitative Biology. Funded by the Research Councils, the Fellowship scheme provides for a transition between postdoctoral positions and academic posts. Fellowships will be five years in length and will guarantee a transfer to an established academic position, subject to satisfactory completion of probation.

You will have an outstanding research record and demonstrate momentum and ability to support this expansion both through obtaining individual external funding and by means of strong participation in the development of group research proposals.

The appointments will commence at a mutually agreeable date prior to 30 September 2008.

**Academic Research Fellowship in Environmentally Sustainable Aviation/Aerospace**

The Fellow will be based in the Faculty of Engineering in the School of Process, Environmental and Materials Engineering (SPEME) which has a long-established, world class academic capability in aero engine-related engineering and in the wide range of disciplines that govern the environmental impact of aviation. These include monitoring, modelling, remediation and mitigation of environmental impacts in the vicinity of airports, particularly design-based remediation. We are looking to develop aviation research by attracting a leading researcher. The scope of the position is extremely broad and outstanding applicants in any topic relevant to sustainable energy use in aviation will be considered. Although you must be able to function within the SPEME, you need not have a traditional engineering background. You will demonstrate capability and plan for developing a world class individual aviation research program and the ability/desire to contribute strongly to interdisciplinary, team-based research on sustainable energy. Job ref 317094

**University Grade 8 (£33,779 - £40,335 p.a.)**

Informal enquiries to Professor Paul Williams tel +44 (0)113 343 2504 email p.t.williams@leeds.ac.uk

**RCUK Academic Fellowship in Quantitative Biology**

This tenure track fellowship provides the opportunity for individuals of considerable potential to establish their independent research careers. The Fellowship will be hosted in the Faculty of Biological Sciences. The research area is flexible, and could include computational biology, systems biology, mathematical biology, theoretical biology or bioinformatics, but a good match with theoretical or experimental research strengths in the Faculty of Biological Sciences or in relevant interdisciplinary areas between Biological Sciences, Medicine and Health, Maths & Physical Sciences or Engineering would be an advantage. Job ref 317095

**University Grade 7 (£27,466 - £32,796 p.a.) or University Grade 8 (£33,779 - £40,335 p.a.) depending on skills and experience**

Informal enquiries to Professor David Westhead email d.r.westhead@leeds.ac.uk

To apply online for both posts please visit [http://www.leeds.ac.uk](http://www.leeds.ac.uk) and click on jobs. Alternatively application packs are available via email recruitment@adm.leeds.ac.uk or tel +44 (0)113 343 5771

Closing date for both posts Midday 21 April 2008

Expected interview date for job ref 317094 – 15 May 2008

Expected interview date for job ref 317095 – w/c 19 May 2008

We welcome applications from all sections of the community. Textphone for deaf applicants only +44 (0)113 343 4353. All information is available in alternative formats please contact +44 (0)113 343 4146.
**Center for Tissue and Cell Sciences**

**Myocardial Regeneration Investigator**

**Assistant/Associate/Full Professor**

The recently established Center for Tissue and Cell Sciences of the Seattle Children’s Hospital Research Institute invites applications for a full-time faculty position from established investigators who are applying techniques of molecular, genetic, or cellular biology to restore children’s health through repair, regeneration or replacement. The applicant’s area of research interest should be complementary to the interests of current faculty working on myocardial regeneration through ongoing collaborations with the Institute of Stem Cell and Regenerative Medicine at the University of Washington. An attractive start-up package including laboratory and office space in a state-of-the-art facility is available to the candidate. The successful candidate must have a M.D. and/or Ph.D. degree with active nationally funded research grants.

Responsibilities of the position include development of an independent, extramurally funded research program as well as teaching and mentoring graduate students, post-doctoral and junior faculty investigators. Address any inquiries to Robert Boucek, Professor of Pediatrics, University of Washington, and Chairman of the Search Committee for the Myocardial Regeneration Initiative at robert.boucek@seattlechildrens.org.

Please send CV, a statement of current and future research interests and the names and contact information of three referees to:

Mackenzie Krouse  
Seattle Children’s Hospital Research Institute  
1900 Ninth Avenue  
M/S C9S-9  
Seattle, WA 98101

For more information about Seattle Children’s Hospital Research Institute, please visit:  
[http://research.seattlechildrens.org](http://research.seattlechildrens.org)

All University of Washington faculty engage in teaching, research, and service. The University of Washington is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

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**Faculty Position**

**Assistant Professor**

**Department of Pharmacology**

Applications are invited for a full-time, tenure-track Assistant Professor position in the Department of Pharmacology in the School of Pharmacy, University of Mississippi (Oxford campus). We seek an individual who will establish and maintain a research program in pharmacology, teach in the core curriculum in the areas of physiology and pharmacology of the professional and graduate program, and participate in service-related activities. Applicants must have a Ph.D. degree in Physiology, Pharmacology, or a closely related field, with postdoctoral experience and a strong record of research accomplishments. Areas of research emphasis could include molecular biology, neurobiology, and cardiovascular/autonomic physiology. Exceptional candidates in other research areas will also be considered. Opportunities exist for collaborative research within the department and with members of the National Center for Natural Products Research, the Research Institute of Pharmaceutical Sciences and the Environmental Toxicology Program. For additional information see our website [www.olemiss.edu/depts/pharmacology](http://www.olemiss.edu/depts/pharmacology) about the research and training programs of faculty in the Department of Pharmacology at the School of Pharmacy.

Applications must be submitted online at [https://jobs.olemiss.edu](https://jobs.olemiss.edu). Applicants shall provide a letter outlining their research interests, teaching experience and qualifications, complete vita, and names, addresses, phone numbers and email addresses of three references. Review of applications will begin immediately and continue until the position is filled or until an adequate applicant pool has been established. The anticipated starting date is August 1, 2008.

*The University of Mississippi is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA Employer.*
Programm zur Förderung der Rückkehr des wissenschaftlichen Spitzennachwuchses aus dem Ausland

Der Forschungsstandort Nordrhein-Westfalen steigert seine Attraktivität für die Rückkehr des Spitzennachwuchses aus dem Ausland. Hier werden gut ausgestattete Positionen für den Aufbau und die Leitung selbstständiger Nachwuchsgruppen im Bereich der Nanotechnologien ausgeschrieben.


Sie forschen derzeit außerhalb Deutschlands im Bereich der Nanotechnologien, verfügen über eine qualifizierte Promotion, die in der Regel nicht länger als 6 Jahre zurückliegt, Ihr Lebensmittelpunkt lag vor dem Auslandsaufenthalt in Deutschland und Sie können insgesamt mindestens 24 Monate erfolgreicher wissenschaftlicher Forschung außerhalb Deutschlands vorweisen. Wenn dies alles auf Sie zutrifft, freuen wir uns auf Ihre Bewerbung unter

www.rueckkehrerprogramm.nrw.de

Ihre Bewerbungsunterlagen in englischer Sprache enthalten Lebenslauf, Publikationsliste, einen Arbeitsplan für die nächsten fünf Jahre, eine Zusammenfassung Ihrer bisherigen wissenschaftlichen Leistungen, bis drei Ihrer wichtigsten Veröffentlichungen und Referenzen. Weitere Informationen sowie eine detaillierte Beschreibung des Programms finden Sie auf der angegebenen Internetseite.

Bitte reichen Sie Ihre Bewerbungsunterlagen bis zum 1. Mai 2008 (Deadline) online ein.


Assistant Professor of Veterinary Anatomy
Washington State University

Tenure-track, full-time, position available at the rank of Assistant Professor to begin on or about July 1, 2008 in the Department of Veterinary and Comparative Anatomy, Pharmacology and Physiology (VCAPP). Earned PhD in anatomy, physiology, or related discipline required. Must have at least two years experience teaching gross anatomy to veterinary students including one year teaching clinical/applied anatomy or equivalent. Must have at least two years of post-doctoral research experience, and the ability or potential to develop an independent research program. Effective interpersonal communication skills and a demonstrated ability to work with a diverse group in a team setting are required.

Teaching responsibilities include participation in veterinary anatomy lectures and laboratories in the DVM curriculum and in the graduate (MS and PhD) Neuroscience programs. Research responsibilities include development of a creative and productive extramurally funded research program complementing department strengths in systems and cellular neuroscience, which include sleep physiology, neural/endocrine control of food intake and body weight, ion channel molecular physiology and biophysics, and substance abuse. Service to the University and public through committee work, participation in professional organizations, continuing education, and other appropriate means is required.

Washington State University has a vibrant veterinary and neuroscience community and is located in a region having a high quality of life for those who enjoy the outdoors, the arts, and collegiality of neighbors.

Screening of applications will begin April 30, 2008. Applications must include a letter of application, curriculum vitae, description of teaching experience and philosophy, summary of research interests and potential projects, and names and contact information (including email addresses) for three references. Electronic submission preferred. Send application materials to: kinslow@wsu.edu or Anatomy Search Committee, Department of VCAPP, Washington State University, Pullman, WA 99164-6520.

EEO/AA

MAX PLANCK INSTITUTE LEIPZIG

The Max Planck Institute for Human Cognitive and Brain Sciences in Leipzig, Germany, Department of Cognitive Neurology (Head of Department: Prof. Dr. Arno Villringer) invites you to apply for

PostDoctoral and PhD positions

The focus of our multi-disciplinary research group is on stroke rehabilitation in humans. We are aiming to merge stimulation protocols (e.g. TMS, tDCS), cognitive tasks and drug administration to induce neuroplasticity as observed by electrophysiological methods and functional magnetic resonance imaging (alone AND in combination, e.g. fMRI-EEG). Candidates interested in clinical neuroscience, neuroplasticity, as well as in higher cognitive function and brain imaging are invited to apply. The successful candidates should be enthusiastic and will have a strong interest in this exciting research area.

A background in EEG, TMS or fMRI acquisition and analysis techniques (SPM, FSL, MATLAB, BESA etc.) would be of advantage. The Max Planck Institute in Leipzig offers an excellent multi-disciplinary and interactive research environment with access to excellent research facilities (3T and 7T research MRI scanners, MEG, EEG and TMS devices). The positions are funded for maximally 3 years from now and will be held open until suitable candidates have been found.

For further details please contact Dr. Burkhard Pfeiler by email bpleiler@ cbs.mpg.de or phone: +49 (0) 341-9940-135.

In order to increase the proportion of female staff members, female scientists are particularly encouraged. Disabled applicants are preferred if qualification is equal.

Please send your application including the name of referees by email (preferred) or post, citing the code number "D 1/08" to:

Max-Planck-Institut für Kognition- und Neurowissenschaften - Verwaltung - Stephanstraße 1a, D-04103 Leipzig
www.cbs.mpg.de

EEO/AA
The Department of Hematology at St. Jude Children's Research Hospital is seeking to fill two faculty positions at the level of ASSISTANT and/or ASSOCIATE MEMBER. We are specifically seeking applicants whose research program is or will be focused on laboratory-based research in Hematology. Candidates with interests in stem cell biology, erythropoiesis, or epigenetics are encouraged to apply and research plans that are either basic or transitional will be considered. Either an M.D., Ph.D., or combined degree is required.

The Hematology Department currently consists of eight faculty members actively engaged in clinical and laboratory research in sickle cell disease, thalassemia, gene therapy for hematologic diseases, molecular hematopoiesis, and coagulation disorders.

St. Jude offers a rich academic environment for Hematology research that is supported by an NHLBI-funded Comprehensive Sickle Cell Center, an ongoing NHLBI-funded Program Project Grant in gene therapy for hemoglobinopathies, and NHLBI-funded clinical and translational research protocols. Numerous opportunities exist for interdisciplinary academic collaboration both within and outside of the Department for Hematology. Candidates with interests in stem cell biology, erythropoiesis, or epigenetics are encouraged to apply and research plans that are either basic or transitional will be considered. Either an M.D., Ph.D., or combined degree is required.

Interested individuals should arrange to have their CV and a brief prospectus of research interests sent to:

Brian Sorrentino, M.D. • Chair Search Committee
Director, Experimental Hematology • St. Jude Children's Research Hospital
322 North Lauderdale Street • Memphis, TN 38105

www.stjude.org

St. Jude is an Equal Opportunity Employer and a Drug-Free Workplace. Candidates receiving offers of employment will be subject to preemployment drug testing and background checks.
Do what you love.
Love what you do.

www.sciencecareers.org

Faculty Position
Tenure Track in Bacterial Pathogenesis

The Department of Microbiology and Immunology at the University of Louisville School of Medicine (http://louisville.edu/medschool/microbiology) invites applications for a tenure track Assistant Professor in Bacterial Pathogenesis. Preferences will be given to applicants using molecular, cell biology, genomics, and/or proteomic approaches to define mechanisms of bacterial pathogenesis and bacteria-host interactions. The successful candidate will hold a PhD and/or MD degree and will be expected to develop an externally funded research program. The position also involves making a contribution to the teaching of graduate and medical students, and requires previous teaching experience. The University of L is now undergoing expansion in microbiology and infectious disease research, with 44,000 sq ft of new NIH-funded regional biocontainment laboratory space that will become available in late 2009. This is an opportunity to join a dynamic and interactive team of microbiologists in the Schools of Medicine, Dentistry, and Arts and Sciences, with access to state-of-the-art research technologies and infrastructure.

Review of applications will begin immediately and continue until a successful candidate is identified. Applicants must apply online at www.louisville.edu/jobs and attach the following documents in a single PDF file: cover letter, curriculum vitae, statements of research and teaching interests, and contact information for 4 references. Please select Job ID #22552. For further inquiries, contact: janpowars@louisville.edu.

The University of Louisville is an Affirmative Action, Equal Opportunity, Americans with Disabilities Employer, committed to diversity and in that spirit, seeks applications from a broad variety of candidates.

Assistant Professor (Tenure Track) of Computational Biology

The Department of Biology (www.biol.ethz.ch/index_EN) at ETH Zurich invites applications for a position of Assistant Professor (Tenure Track) in the area of Computational Biology.

Life Science Zurich and the Department of Biology offer outstanding scientific opportunities to participate in interdisciplinary research projects, including close interactions with SystemsX.ch, the Swiss initiative for systems biology, the Functional Genomics Center Zurich and the ETH Laboratory of Computational Science and Engineering. Involvement in the biology teaching program, including teaching within an inter-departmental Master’s curriculum in bioinformatics, is expected. Courses at Master level may be taught in English.

Candidates are expected to build a strong, independent research program in theoretical or applied computational biology. Research areas include but are not limited to the development of novel algorithms for the analysis of molecular networks and their dynamic change in cells, using information available from three-dimensional protein structures and genomic, proteomic, and metabolomic data. The new Assistant Professor will be a member of the Institute of Molecular Systems Biology.

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position.

Please submit your application together with a curriculum vitae, a list of publications and a detailed research plan, to the President of ETH Zurich, Raemistrasse 101, 8092 Zurich, Switzerland, no later than May 31, 2008. With a view towards increasing the proportion of female professors, ETH Zurich specifically encourages female candidates to apply.

http://web.mit.edu
Looking for Career Advice?

Find a wealth of information relevant to your current career and future employment decisions in the Science Career Features.

Upcoming Features:
April 18—Translational Research (online only)
May 9—Diversity 2: Affinity Groups (online only)
May 23—Careers in Product Companies (online only)

Available online at www.sciencecareers.org/businessfeatures
The University of Arizona has several postdoctoral positions that are available to qualified applicants in the laboratory of Dr. Janko Nikolich-Zugich in the Department of Immunobiology, College of Medicine, The University of Arizona. For description of laboratory interests and publications, see http://www.ohsu.edu/vgti/nikolich.htm. Qualified applicants will investigate T-cell function and homeostasis in health, viral diseases and aging in rodent, human and/or non-human primate models. Positions are also available to candidates interested in the broader role of inflammation and immunity in aging. Cellular immunology training is essential for these positions. Research in the Department and the University is supported by state-of-the-art core facilities including animal housing, FACS, DNA-Microarrays, Proteomics and Imaging.

The University of Arizona is amongst the top 20 public research and education universities, boasting excellent departments and Centers, as well as lively campus culture and life, and a blossoming recreation center. It is located in sunny Tucson, a city with a vibrant multicultural population of approximately 900,000, a strong economy, and business opportunities. Tucson is surrounded by a majestic desert and mountains rising to more than 9,000 feet.

Please complete an on-line application for Job #40476 at www.hr.arizona.edu. Be prepared to attach your curriculum vitae.

The University of Arizona is an EEO/AA Employer -M/W/D/V.

Chief Operating Officer

The Director of LBNL is seeking a Chief Operating Officer. Reporting to the Laboratory Director, this leadership role is responsible for the long-term strategic planning and the short-term execution of operational activities in support of the scientific mission and scientific work at Berkeley Lab. Operational areas reporting to this position include: Environment, Health and Safety, Facilities (includes capital construction), Finance, Human Resources, Information Technology, Public Affairs, and Workforce Diversity. The COO is accountable for ensuring the operational efficiency of Berkeley Lab through proper operational controls, administrative and reporting procedures, and people systems. Candidates must possess significant experience in leading and managing operational support groups and large organizations, creativity in decision making and problem solving, and experience working with key external stakeholders.

For fastest consideration, apply online at: http://jobs.lbl.gov, select “Search Jobs”, and enter 21580 in the keyword search field. Enter “Science” as your source.

LBNL is an Affirmative Action/Equal Opportunity Employer committed to the development of a diverse workforce.

University of Louisville, Stem Cell Institute at James Graham Brown Cancer Center

The newly created Stem Cell Institute at James Graham Brown Cancer Center at the University of Louisville (www.bcc.louisville.edu) plans an expansion of research in the biology of normal and malignant stem cells, with an emphasis on tissue/organ regeneration and molecular mechanisms that govern trafficking, engraftment and expansion of normal stem cells and metastasis of malignant stem cells. Positions are available at open rank of Full Professor, Associate Professors and Assistant Professors (tenure track). Applicants must have M.D, Ph.D., or Ph.D. with postdoctoral research experience, a strong track record of publications, history of successful funding, and will be expected to establish an independently funded research program. We are looking for candidates in the areas of (i) stem cell biology, (ii) isolating, purification and expansion of human hematopoietic and non-hematopoietic cells, (iii) molecular aspects of stem cell renewal/differentiation, (iv) developmental embryology and (v) animal in vivo models. The successful faculty candidates will be provided with laboratory space and generous start-up packages. The JGB Cancer Center houses excellent shared facilities for molecular and cellular biology, including flow cytometry and cell sorting, DNA sequencing, structural biology including molecular modeling, NMR, biophysics, crystallography, genomics and proteomics and facilities for transgenic mice. Please send curriculum vitae, with a bibliography, a synopsis of research interests, and the names and telephone/fax/science/ e-mail of at least three references to:

Donald Miller MD, PhD
Director, James Graham Brown Cancer Center
University of Louisville
529 South Jackson Street
Louisville, KY 40202
e-mail: Donaldb@ulb.org

Mariusz Z. Ratafajczak MD, PhD
Stella and Henry Hoening Endowed Chair
Professor of Medicine
Director of Stem Cell Institute at
James Graham Brown Cancer Center
University of Louisville
500 Floyd Street
Louisville, KY 40202
e-mail: mrazato1@gwise.louisville.edu

BARUCH INSTITUTE OF COASTAL ECOLOGY AND FOREST SCIENCE

BIOGEOCHEMIST

Today’s demands on the natural resources of the coast require research and education programs that address all aspects of coastal ecology. The candidate selected for this position will work with a team of scientists at the Baruch Institute of Coastal Ecology and Forest Science located in Georgetown, South Carolina to examine environmental consequences of development on the South Carolina coast, which has one of the most rapid growth rates in the nation.

The person selected will develop a vigorous, extramurally funded research program with a high potential for unique fundamental discoveries expected to have national visibility. This position is the fifth of a planned twelve person multi-disciplinary team working at a remote location from the main campus. To learn more about the important work being done visit: http://www.clemson.edu/baruch/

A doctoral degree in biogeochemistry or closely related discipline is required. Experience or education in areas of poorly drained soils and reactions associated with differing levels of soil aeration is desirable. An interest in researching effects of climate change on biogeochemical processes in coastal plain watersheds is advantageous. Review begins May 15, 2008 and continues until filled.

Submit letter of interest, vita/resume, names and contact information of three references, and one representative peer-reviewed journal paper in the last 3 years (published after Jan 2005) to Dr. William Conner at wconn@clemson.edu.

For a complete job description go to: http://www.Clemson.edu/employment/
Enter Keyword biogeo and search position # 008224

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VACCINE RESEARCH

FACULTY POSITION
in VACCINE-RELATED RESEARCH
Gene Therapy Program
Louisiana State University Health Sciences Center in New Orleans

The Gene Therapy Program at the Louisiana State University Health Sciences Center (LSUHSC) in New Orleans, Louisiana invites applications for open-rank, tenure-track faculty positions. Applicants must hold a Ph.D. and/or an M.D. degree. The position would suit an individual with interest in gene delivery and/or vaccination for modulation or prophylaxis of infectious or neoplastic disease, and underlying host responses, areas of current strength within the Program. We are particularly interested in candidates with a strong track record in translational research in one or more of these areas. Generous intramural funding is available to support developmental and ongoing translational studies. Current external funding held by Program members exceeds $23 million, mostly from the National Institutes of Health, and includes Federal and State P01 awards. The Program was founded in 2000 and is a key partner both in the Louisiana Gene Therapy Research Consortium (LGTRC) and the Louisiana Vaccine Center that was recently established with $5.5 million of state funding. The Program is located in the Clinical Sciences Research Building at LSUHSC in space adjacent to the Stanley Scott Cancer Center. The Program currently has seven faculty members and several adjunct faculty; funds three state of the art core facilities in morphology and imaging, microarray, and bioinformatics and vector development; and oversees a BSL-3 facility. State-of-the-art immunology and proteomics cores have also been developed at LSUHSC. Through the LGTRC, we will have direct access to wet laboratory space in the New Orleans BioInnovation Center and a good manufacturing practice facility currently under construction that will facilitate the development of clinical trials arising from Program research.

Applicants should send an e-mail including curriculum vitae to Dr. Alistair Ramsay, Program Director at e-mail: genetherapy@lsuhsc.edu. LSUHSC is an Equal Opportunity/Affirmative Action Employer.

MedImmune is a recognized leader in the biotechnology industry. We use the latest advances in science, technology, and medicine to develop innovative products that improve the quality of human health.

We are recruiting a highly motivated individual to join the Infectious Disease Research Department at MedImmune. This individual will design, execute, and analyze in vivo experiments in rodent models of viral pathogenesis.

Major duties and responsibilities. To test various therapeutic strategies for treating viral diseases in animal models: knowledge of viral pathology and/or immunology, hands-on experience using laboratory rodents for research, expertise in a variety of in vitro assays (e.g., viral plaque assays, microneutralization assay, enzyme-linked immunosorbent assay, fluorescence activated cell sorter), and knowledge of toxicology or pharmacology preferred.

Requirements. M.Sc., Ph.D., or equivalent degree in virology, pharmacology or related discipline, and experience: at least two years of postdoctoral experience or eight years of experience post M.Sc. If you are interested in this position, apply online at website: http://www.medimmune.appone.com for position number 00259.

MedImmune, Incorporated is an Equal Opportunity Employer and does not discriminate on the basis of race, color, religion, gender, age, national origin, disability, veteran status, or any other characteristic protected by federal, state, or local law.

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ASSISTANT and ASSOCIATE PROFESSOR POSITIONS in REGENERATIVE MEDICINE and STEM CELL BIOLOGY
University of California, Irvine

The University of California, Irvine (UC) is planning a major expansion of research in the broad areas of regenerative medicine and stem cell biology over the next several years as part of a joint initiative by the Sue and Bill Gross Stem Cell Research Center, the Developmental Biology Center, and the Chao Family Comprehensive Cancer Center. We seek outstanding candidates at the Assistant and Associate Professor levels with a demonstrated track record in any of several broad fields defined by the initiative to impact regenerative medicine, such as tissue engineering, cell matrix interactions, developmental potency/epigenetics, signaling in stem cells, and organogenesis. Stem cell research, developmental biology, and cancer research have long histories of achievement at UC Irvine and the University has received significant funding from the California Institute of Regenerative Medicine. Core facilities within the Stem Cell Research Center provide lab space for carrying out work that is currently ineligible for federal funding.

Applicants should submit a letter of application, curriculum vitae, bibliography, three letters of reference, and a statement of research and teaching interests using the online recruitment system (see instructions at website: https://recruit.ap.uci.edu).

Review of applications will begin June 1, 2008, and the recruitment will remain open until the positions are filled.

The University of California, Irvine is an Equal Opportunity Employer committed to excellence through diversity, and strongly encourages applications from all qualified applicants, including women and minorities. UCI is responsive to the needs of dual-career couples, is dedicated to work-life balance through an array of family friendly policies, and is the recipient of a National Science Foundation ADVANCE Award for gender equity.

ASSOCIATE or ASSOCIATE PROFESSOR
Louisiana State University Health Sciences Center

The Department of Microbiology and Immunology at Louisiana State University Health Sciences Center invites applications for a tenure-track faculty position at the rank of Assistant or Associate Professor in an area of immunology or viral immunology. The successful candidate will be expected to direct an active research program and contribute to the training and teaching of doctoral and medical students. Qualified applicants should have a Ph.D. or M.D. degree, several years of postdoctoral experience, and a history of high-quality publications. Applicants for an Associate Professorship must have national research funding. The research emphasis of the 18 Department faculty members includes molecular and tumor virology supported by an NIH center grant, bacterial pathogenesis, immunology, and basic cancer research. We seek candidates who can bridge some of these areas and apply immunology to pathogenesis. Applicants should send curriculum vitae, a statement of research and teaching interests, and a list of three to five references to: Dr. Dennis J. O’Callaghan, Department of Microbiology and Immunology, Louisiana State University Health Sciences Center, 1501 Kings Highway, Shreveport, LA 71130. LSUHSC-S is an Equal Employment Opportunity Employer.

HARVARD MEDICAL SCHOOL
POSTDOCTORAL POSITIONS to study the role of heat shock proteins in cancer and immunology.
Requirements: Ph.D. or M.D., expertise in transcriptional regulation, immunology, or cancer research. Contact Dr. Stuart Calderwood, Beth Israel Deaconess Medical Center, Harvard Medical School; telephone: 617-632-0628; e-mail: calderwood.stuart@gmail.com.

TENURE-TRACK FACULTY POSITION in PATHOLOGY
Applications are invited for a full-time ACADEMIC PATHOLOGIST at the rank of ASSISTANT/ASSOCIATE/FULL PROFESSOR, in the Department of Pathology, Immunology, and Microbiology, University of South Carolina School of Medicine (USC SOM) Columbia, South Carolina. Candidates must have M.D., D.O., D.V.M., Ph.D., or equivalent degree in pathology or a related field. Tenure-track faculty candidates are primarily expected to teach pathology to medical students and to develop a strong research program. Basic science faculty at the USC SOM conduct research in a variety of areas including cancer biology and molecular immunology, neuroscience, complementary and alternative medicine, immunology, and HIV/AIDS, providing ample opportunities for productive interactions and collaboration. Shared instrumentation facilities at the USC SOM and at USC are world-class, and readily accessible. USC Columbia is rapidly expanding, and the SOM has an important role in this growth. Candidates with strong teaching credentials in pathology who are interested primarily in teaching will also be considered for a full-time, non tenure-track faculty position. To apply, send your curriculum vitae and three references by mail to: Dr. Mitzi Nagarkatti, Chair, Department of Pathology, Microbiology and Immunology, University of South Carolina School of Medicine, Columbia, SC 29208 or by e-mail: pathology@gw.med.sc.edu. The search will start immediately and continue until the position is filled. USC Columbia is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

TENURE-TRACK FACULTY POSITION in MOLECULAR MICROBIOLOGY
Center for Women’s Infectious Disease Research, Washington University School of Medicine in St. Louis

The Center for Women’s Infectious Disease Research (cWIDR) and the Department of Molecular Microbiology invites applicants for ASSISTANT PROFESSOR in the microbial pathogenesis of infectious diseases that predominantly affect women. The cWIDR, Scott Hultgren, Ph.D., Director, is a newly formed, multidisciplinary center focusing on basic and translational research that connects exceptional basic science research findings with innovative clinical treatments on disease processes that primarily affect women. We seek applicants with Ph.D., M.D., or M.D./Ph.D. degrees and a strong desire to engage in interdisciplinary research that can improve female lifestyle and health. We are especially interested in candidates who are interested in studying bacterial or fungal diseases and the microbiota of the female reproductive and urogenital tract. Please send curriculum vitae and a two-page summary of current and planned research as a single PDF attachment and arrange for three signed reference letters to be sent as PDF to Dr. Michael Caparon, Associate Director and Faculty Search Committee Chair, e-mail: caparon@borcim.wustl.edu. WUSM is an Equal Opportunity Employer. Women and/or minority candidates are strongly encouraged to apply.

POSTDOCTORAL FELLOW/RESEARCH INVESTIGATOR positions available to study the role of zinc-finger transcription factors, membrane-anchored metalloproteinases, and epithelial-mesenchymal transition in development and cancer (e.g., Cell 125:577, 2006 and 114:33, 2003; Genes & Dev. 20:2673, 2006; Nature Cell Biol. 8:1398, 2006). Strong background in cell/molecular biology and mouse transgenic models required. Send curriculum vitae and letters of reference to: Stephen J. Weiss, M.D., Upjohn Professor of Medicine, Life Sciences Institute, University of Michigan, 5000 LSI, 210 Washtenaw, Ann Arbor, MI 48109-0640. The University of Michigan is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSORSHIP NEUROPHYSIOLOGIST

Biology Department emphasizing teaching seeks a Neurophysiologist; tenure-track position, Ph.D. required. Preferred candidate will be able to teach general biology, anatomy and physiology, advanced human physiology, and neurobiology. Direction of graduate students, research program, and university service (including advising of students in the pre-medication program) expected. Position starts January 2009, and comes with fully equipped neurophysiology laboratory. Postdoctoral experience preferred. Send faculty application (website: http://www.enmu.edu/services/HR), curriculum vitae, transcripts, statements of research interests, teaching philosophy, and full contact information for three references to: Biology Search Committee, Human Resources, 1500 S. Avenue K, Station 21, Eastern New Mexico University, Portales, NM 88130. Screening begins 28 April, 2008, but applications accepted until position is filled. For more information call telephone: 505-662-2495, or visit website: http://www.enmu.edu. Condition of employment: candidate must pass a pre-employment background check. Affirmative Action/Equal Opportunity TitleIX Employer.

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