ASSISTANT/ASSOCIATE PROFESSOR
Neurodegenerative Disorders
Department of Pharmacology
College of Pharmacy
The University of Toledo

The Department of Pharmacology, College of Pharmacy, at the University of Toledo is inviting applications for a tenure-track position in neurodegenerative disorders available at the Assistant/Associate Professor level. Requirements include the Ph.D. in pharmacology, pharmacogenetics, or related field and productive postdoctoral experience. Candidates with experience in the area of experimental therapeutics are encouraged to apply. Responsibilities for the position will include teaching undergraduate and graduate level courses in pharmacology or related areas. Current areas of research considered to be priorities for the health sciences at the University of Toledo include: neurodegenerative diseases, cancer, organ transplantation/immunoimmunology, cardiovascular/diabetes, and orthopedics. The successful candidate will be expected to develop and maintain an active, externally funded research program that complements existing research strengths within the Department, as well as the colleges of pharmacy and medicine. A competitive salary and research startup package will be provided.

Interested individuals are encouraged to submit curriculum vitae and a letter describing teaching philosophies and research goals and to arrange for three letters of reference to be sent to: Ezdihar Hassoun, Ph.D., Chair of the Search Committee (PCN 995036), Department of Pharmacology, #607, The University of Toledo, College of Pharmacy, 2801 W. Bancroft Street, Toledo, OH 43606. E-mail: ezdihar.hassoun@utoledo.edu. Applicant review process will begin on April 1, 2009, and will continue until the position is filled.

The University of Toledo is an Equal Access, Equal Opportunity, Affirmative Action Employer and Educator. Women and minorities are encouraged to apply.

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW
The University of Arkansas at Little Rock seeks applicants to fill a position of Research Associate/Postdoctoral Fellow (requisition #661), working with Dr. Hong Li Wang to study transfer cell development in economically important crops in the research areas of molecular biology, gene regulation, functional genomics and bioinformatics, and cell structures to start as soon as possible.

The position is funded by a National Science Foundation Experimental Program to Stimulate Competitive Research grant. The research is aimed to reveal the molecular mechanism(s), genes, and regulatory pathways(s) involved in transfer cell development. Applicants should hold a Ph.D. in molecular biology, cell biology, or botany. Preference will be given to candidates with experience in cell structure study using light, fluorescent, and laser confocal microscopy, gene expression profiling, gene functional analysis using in situ hybridization or direct visualization of subcellular location by fluorescent proteins, knockout gene expression using gene silencing and/or manipulation.

To apply: submit a letter of application (referring to requisition #661), curriculum vitae, a brief description of career goals, and three professional references to: Dr. Keith Hudson, Director, Graduate Institute of Molecular Biology, University of Arkansas at Little Rock, AR 72204. Direct all technical inquiries to: e-mail: hsxwang@uark.edu. Electronic submissions are preferred; e-mail: gitpositions@uark.edu with requisition #661 in the subject line or fax 501-569-8439 and telephone: 501-569-8210. Related website: http://www.uark.edu/biology/.

UARK is equal to Equal Employment Opportunity/Affirmative Action/Freedom of Information laws. Persons hired must provide proof of legal authority to work in the United States.

RESEARCH FACILITY MANAGER
Fox Chase Cancer Center, located in Philadelphia, Pennsylvania, is seeking a Research Facility Manager.

Requires Ph.D. or M.D. and experience in G-banding, fluorescence in situ hybridization, and Affymetrix GeneChip/Agilent microarray analysis. Working knowledge of PERL language, SAS programming, and common bioinformatics tools (e.g., R and Bioconductor, Ingenuity pathway analysis, Partek, and so on) highly desirable. Salary commensurate with experience. For full consideration, applications (including a letter of interest, curriculum vitae, and e-mail address) should be sent by April 1, 2009, to: e-mail: kathy.irton@ffcc.edu. Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP POSITIONS
available to study the molecular mechanisms underlying leukocyte trafficking, extracellular matrix molecules, and the extracellular matrix barrier in vitro and in vivo. Strong background in cell/molecular biology and intravital microscopy, experience in gene targeting, knowledge of PERL language, SAS programming, and common bioinformatics tools is required. Salary commensurate with experience. For full consideration, applications (including a letter of interest, curriculum vitae, and e-mail address) should be sent by April 1, 2009, to: e-mail: kathy.irton@ffcc.edu. Equal Opportunity Employer.
SAFETY FIRST!
CAREER IN DRUG SAFETY AND TOXICOLOGY

In the current economic climate, the pharmaceutical industry may not seem like the likeliest place to forge a career, particularly in light of the recent spate of layoffs. While today’s economic conditions are brutal, the forces shaping the drug industry’s downsizing and restructuring have been at play for some time. By Virginia Gewin

Out of the carnage come opportunities. Recent high profile drug failures—notably the withdrawals of the painkiller Vioxx and diabetes drug Avandia—have shed light once again on drug safety. As well, pharmaceutical companies are looking for new ways to address their two-pronged pipeline problem: many big-name blockbuster drugs will soon lose their patents and, perhaps more important, there is a dearth of new blockbusters headed to the market. In fact, over 90 percent of all candidate compounds that are developed never reach the market (Beresford AP, et al. Drug Discov Today 7(2):109–116, 2002).

Drug discovery and development has historically been a trial-and-error approach whereby companies screen thousands to millions of compounds. But regulatory bodies and a growing number of drug discovery companies want more predictive scientific approaches in place to lower the chance of failure in clinical trials. “The biggest resource demand in toxicology is time because many studies, such as carcinogenicity assays, require years to complete,” says David Jacobson-Kram, associate director for pharmacochemistry and toxicology at the US Food and Drug Administration’s Center for Drug Evaluation and Research in Silver Spring, Maryland. Therefore, FDA is encouraging industry to use existing knowledge to do earlier stage simulations of the absorption, metabolism, and excretion of drug candidates. The search is on for new drug safety metrics, and the “virtual” trial may not be far behind.

As a result, an interesting mix of quantitative skills is in demand. Toxicology, the traditional tests for adverse drug effects, continues to drive early drug discovery efforts. But pharmacometrics—the modeling and statistical analysis of drug metabolism data—touts a more tailored, predictive approach to safety and efficacy. In simple terms, pharmacokinetics, PK, measures what the body does to the drug, while pharmacodynamics, PD, measures what the drug does to the body. Therefore, the simulation and modeling of PK/PD using in vitro data from human and animal models is becoming a more important means to better weed out potentially harmful drugs sooner in preclinical drug development. As such, their adoption in industry is gaining traction, and providing career opportunities.

“Pharmacometric analysis is key to understanding the relationship between exposure and response, and this critical knowledge will help companies avoid late-stage failures,” says Jill Fiedler-Kelly, vice president of pharmacometric services and chief scientific officer of Buffalo, New York–based Cognigen Corporation, a contract research organization (CRO). In fact, she says, recruiters are actively looking for persons with pharmacometric skills, a group that seems fairly immune to the ongoing layoffs.

Promising Prospects

“The safety science space has been using the same models for 25 years, making the field ripe for innovation,” says Joseph DeGeorge, worldwide head of safety assessment at Merck & Co, in West Point, Pennsylvania. Innovation includes developing metrics able to predict outcomes. Prediction requires robust models that can simulate biological systems. Predictive approaches to pharmacodynamics and pharmacokinetics in humans using nonclinical data sets, and developing safety biomarkers, are two areas ready for big scientific advances, says Jacobson-Kram.

DeGeorge says people who can cross disciplines are making the scientific breakthroughs. “It isn’t good enough to be trained in pharmacokinetics or pharmacodynamics or gene expression,” says DeGeorge. For example, he says, Merck recently combined traditional toxicology endpoints, genomics, and accessible protein biomarkers measured in...
humans and animals to develop a new biomarker signature that was qualified by the FDA in 2008 to indicate kidney toxicity.

Many see the development of new drug safety metrics as the field’s future. Perhaps not surprisingly, that is because FDA is leading the charge. Jacobson-Kram expects to sustain at least some level of last year’s 30 percent increase in staffing as FDA bolsters its own quantitative capacity.

“The most interesting and exciting area in early drug safety is to develop new systems for assessing toxicity,” says Jacobson-Kram. “We’re getting away from ‘dose’ ‘em and count ‘em’ studies and moving toward using computer models to predict toxicities, and in vitro assays to make predictions about organ toxicities—that’s the future. In the next five to 10 years, we’ll eliminate much of animal toxicology and move on to smarter systems using computer algorithms and modeling,” he says. Combining new and old techniques—for example, fusing molecular biology skills, pharmacometrics, and classical toxicology—to find new safety biomarkers and surrogate endpoints represents a new pharmacological frontier.

While drug safety is an industrywide concern, the adoption and development of new drug safety metrics varies widely within the industry. Some companies are sticking with traditional toxicological approaches, while others, like Novartis, are actively exploring new directions. While Novartis is still recruiting traditional veterinary pathologists trained in toxicology, it is also looking for toxicologists with a background in biochemistry, molecular biology, and modern biology techniques who are interested in molecular-based risk assessment. “To better understand safety issues, we are making efforts to employ more modern investigational, molecular approaches to safety assessment—and increase our safety testing work force by about 10 percent,” says Phil Bentley, vice president and global head of preclinical safety at Novartis Institutes for BioMedical Research in New York City.

Other top pharmaceutical and biotechnology companies—including Genentech, Amgen, Pfizer, and Merck—also have an ongoing need for pharmacometric skills to optimize drug efficacy and minimize potential toxicities. Genentech in San Francisco, for example, currently needs people with bioanalytical skills, with specific emphasis on biotransformation and drug transport, says Holly Butler, senior staffing manager for research.

Recruitment efforts, however, aren’t typically designed to grow company size. Instead, companies are more focused on maintaining productivity while keeping the cost of drug discovery and development down. But that leads to tough choices. For example, so-called Phase 0 trials—preclinical trials designed to gather PK/PD data from subtherapeutic doses given directly to humans—will bypass animal experiments in this earliest stage in order to better understand and model the drug’s action in humans. This information should not only identify any potential problems earlier but also help design more effective clinical trials. But, at this early stage, the benefits of virtual trials remain to be proven. “Everybody’s idea of a Phase 0, or virtual, trial is different,” says Amin Rostami-Hodjegan, pharmacologist at the University of Sheffield in the UK.

Low Supply, High Demand

Both the classical animal toxicology skills and futuristic pharmacometric skills are in huge demand but short supply. Indeed, industry professionals agree that the dearth of persons with doctorates in veterinary medicine (D.V.M.) degrees is a stumbling block to their ability to develop new methods. “D.V.M. pathologists are hard to recruit,” says DeGeorge. Johan Gabrielson, senior principal scientist at AstraZeneca in Malmö, Sweden, agrees and says the ongoing shortage of trained people in the field of quantitative pharmacology and in vivo animal experimentation is in part the result of political pressure in the 1980s and ’90s to reduce the use of animal studies. “Unfortunately, the ‘omics’ sciences do not yet offer a complete solution. We have to rely on in vivo data when we go from animals to humans,” says Gabrielson. Seeing the continued demand, a coalition of the Society of Toxicological Pathology (STP) and the American College of Veterinary Pathologists (ACVP) jointly fund training opportunities.

Training in pharmacometrics is equally hard to come by. “All big pharma companies are searching for people with PK/PD skills, but the demand is much greater than the actual output from academia,” says Gabrielson. Meindert Danhof, head of the Leiden/Amsterdam Center for Drug Research in the Netherlands, agrees. “The bottleneck is the number of academic sites to learn these skills,” he says. Indeed, graduate schools in the United States offering PK/PD programs are few—fewer still in Europe. And most graduates are lured into industry. “Few graduates stay in academia, which perpetuates its limited capacity to fulfill the increasing demand.”

continued »
Academic Staff, Research Fellowships, PhD Studentships and a Programme Manager Position in Clean Fossil Fuels

Major long-term funding by Qatar Petroleum and Shell International through the recently established Qatar Carbonates and Carbon Storage Research Centre (QCCSRC) is enabling Imperial College London to expand significantly its research into Clean Fossil Fuels – aimed in particular at improving the energy efficiency of oil and gas recovery closely coupled with reducing greenhouse gas emissions through advanced carbon capture and storage technologies.

An experienced Programme Manager is sought to co-ordinate the research projects within QCCSRC, under the direction of the Programme Director, Professor G C Maitland, FREng. The successful candidate will have several years’ research project management experience in the industrial or academic sector, preferably with a background in oil and gas technology.

Applications are also invited for 3 Lectureships and up to 10 Research Fellowships/Associateships from candidates with a proven world-class research track record who wish to build major new research activities in this area. A background in one or more of the following would be especially beneficial:

- The physics, chemistry and engineering of fluid flow in porous media;
- Fluid thermophysical properties, especially in extreme conditions;
- Burial diagenesis, structure and characterisation of fractured carbonate oil and gas reservoirs;
- Mineral-fluid interactions and reactive flow, especially in carbonate-based systems;
- Process modelling especially in the context of carbon storage and/or oil and gas recovery;
- Enhanced oil recovery processes.

Appointments at a more senior level will be considered for candidates with appropriate experience. Fully-funded PhD studentships are also available to work in these areas.

Academic staff appointees will be expected to pursue their own research interests, to contribute to the teaching and administration in one or both Departments and to be active and take on an academic leadership role in the activities of the QCCSRC. Exciting opportunities exist for evaluation of engineering applications in a field environment. Significant funding for research staff, studentships and equipment will be available. Appointees will also have the opportunity to contribute to the multidisciplinary Energy Futures Lab and the Grantham Institute for Climate Change and to work closely with scientists and engineers in Shell and Qatar Petroleum.

For PhD Studentships, applications from Qatari citizens and neighbouring areas are particularly encouraged, although the call is open to candidates of all nationalities. Applications for Research Fellowships will be considered from both candidates with recent doctorates (or equivalent) and more experienced researchers having a PhD (or equivalent). PhD candidates should have, or expect to receive, a first or upper second class honours degree (or equivalent) in a relevant engineering, physical or earth science discipline. All researchers will work in multidisciplinary teams in the QCCSRC and have close contact with the Energy Futures Lab and the Grantham Institute for Climate Change.

On-line applications can be made through the College’s employment website: http://www3.imperial.ac.uk/employment/howtoapply Further information on salaries, job descriptions and person specifications is also available on the website. Please direct any enquiries about these positions to Ann Sewell by email to: a.sewell@imperial.ac.uk or, for PhD applications, to Susi Underwood by email to: s.underwood@imperial.ac.uk

Closing date for applications: Tuesday 31 March 2009. (There is no closing date for PhD applications).

Valuing diversity and committed to equal opportunity
The most interesting and exciting area in early drug safety is to develop newsystems for assessing toxicity.”
—David Jacobson-Kram

Many future new drugs will likely be biologicals. Jusko says his faculty members are primarily supported by NIH grants and typically employ PK/PD in almost every project that studies the mechanistic basis of drugs in animals or people.

Yet the degree to which industry uses these techniques to develop new drug safety metrics is not well defined—leaving others in academia optimistic, but cautious, about career prospects.

Howard Lee, director of the University of San Francisco’s Washington, D.C.—based Center for Drug Development Science, says that PK/PD modeling has so far been geared mostly toward drug efficacy, but that concern in the US Congress and among the public ensures that safety is going to become more important in the future. But he thinks the widespread adoption of pharmacometrics is an uphill battle that is just beginning, so he tempers his enthusiasm for the burgeoning field with the pragmatism that it may be some time before drug safety biomarkers or endpoint surrogates are sought by industry.

Advice from Industry

Understanding the myriad factors influencing such tough industry decisions is hard to do outside of a company. Since most jobs are in industry, gaining insider experience is essential. Butler advises graduate students interested in industry to do two things: complete an internship at a company and make sure that they attend critical conferences related to drug metabolism and pharmacokinetics—such as the International Society for the Study of Xenobiotics. Most big pharma companies offer internships as do some CROs, including Cognigen.

Beyond internships, Fiedler-Kelly suggests that people interested in PK/PD careers should consider working for a CRO. “My big selling point is that a CRO can offer someone tons of experience analyzing the data from drugs used in a variety of therapeutic areas,” she says.

Understanding the entire drug development process, however, necessitates experience in big pharma. Gabrielson says it is important to start making contacts with industry early during graduate studies to secure internship opportunities. Given the dearth of formal training programs, the growing number of workshops and short courses is a good way to not only hone technical skills, but also network with the industry leaders eager to train students in the field. For the last 11 years, he’s taught a weeklong workshop on advanced pharmacometric-pharmacodynamic data analysis at Cambridge University, which is an excellent networking opportunity.

“Come visit us, present a seminar on your research project, and aim for thesis advisers also from industry,” says Gabrielson. “I’m happy to mentor graduates and postdocs and am currently looking for a postdoc to work on both preclinical mechanistic data as well as patient biomarker and disease data,” he adds.

Given the push toward Phase 0 trials, experience modeling all types of data is increasingly important. “Experience working with pharmacometric data from humans, or animals closest to humans, is highly sought after,” says Ed Dupuis, pharmacologist at University of North Carolina, Chapel Hill. But the changing world of drug safety also requires that scientists adopt a systems biology approach. “We can’t understand toxicity if we don’t understand cellular processes and how molecules interact,” says Bentley.

Putting that understanding into practice will provide endless career opportunities—especially if they help companies save money currently misspent chasing dead-end products.
**Job Description:** The Director of Discovery DMPK will lead staff scientists and support research teams that are tasked with discovering drug candidates suitable for exploratory assessment and clinical development.

**Qualifications:**
- Ph.D. in a relevant field and 8-10 years in the pharmaceutical industry. Must possess an excellent command of ADME/PK and metabolism sciences as related to drug discovery including the ability to:
  - a) implement strategies regarding compound evaluation for project teams
  - b) manage critical DMPK issues/bottlenecks and advise project teams in the areas of: absorption, solubility, permeability and transport issues, tissue distribution, metabolic stability and profiling, pharmacokinetics and clearance, drug safety relating to species selection, therapeutic index, CYP inhibition, drug interactions and phenotyping, efficacy, including dosing schedules for pharmacology models and modeling clinical doses and PK/PD relationships
  - c) manage a vivarium facility
  - d) problem-solve in laboratory operations
  - e) identify technical consultants as needed
- Excellent data interpretation skills
- Excellent oral and written communication skills in English
- Excellent interpersonal, leadership and organizational skills to:
  - a) recruit, lead, motivate, support and mentor Ph.D. scientists and associates
  - b) solve problems, prioritize tasks, and delegate resources
  - c) set priorities with project leaders and help foster a collaborative environment with colleagues across disciplines
  - d) interface closely with our collaborators/strategic partners to insure timely and efficient dissemination of information

**Group Leader/Associate Director—Enzymologist**

**Job Description:** The successful candidate will manage and oversee a highly skilled team of Ph.D. scientists and associate scientists responsible for in vitro characterization of small molecule inhibitors. The primary responsibilities of the position will include design and implementation of a variety of in vitro experiments to screen and profile small molecules against a variety of enzyme targets. The successful candidate should have experience working in a multidisciplinary drug discovery environment.

**Qualifications:**
- Ph.D. in molecular biology, biochemistry or microbiology with 2-5 years experience in the pharmaceutical industry and proficient in mechanistic enzymology and assay development.
- Experience in enzyme kinetics, molecular cloning, protein expression and purification
- Knowledge in enzyme-ligand interaction, structure-activity relationship of inhibitors, protein structures and microbiology
- Excellent data interpretation skills
- Excellent oral and written communication skills in English
- Excellent interpersonal, leadership and organizational skills to:
  - a) recruit, lead, motivate, support and mentor Ph.D. scientists and associates
  - b) solve problems, prioritize tasks, and delegate resources
  - c) set priorities with project leaders and help foster a collaborative environment with colleagues across disciplines
  - d) interface closely with our collaborators/strategic partners to insure timely and efficient dissemination of information

**Group Leader/Associate Director—Cell Biologist**

**Job Description:** The successful candidate will manage and oversee a highly skilled team of Ph.D. scientists and associate scientists responsible for implementation of all aspects of cell based assay development and screening. The successful candidate should have experience working in a multidisciplinary drug discovery environment.

**Qualifications:**
- Ph.D. in biochemistry, molecular biology, cell biology or related field is required with 2-5 years experience in the pharmaceutical industry
- Extensive experience in cell biology and assay development
- Strong background in signal transduction
- Hands on experience on generating stable production cell lines
- Excellent data interpretation skills
- Excellent oral and written communication skills in English
- Excellent interpersonal, leadership and organizational skills to:
  - a) recruit, lead, motivate, support and mentor Ph.D. scientists and associates
  - b) solve problems, prioritize tasks, and delegate resources
  - c) set priorities with project leaders and help foster a collaborative environment with colleagues across disciplines
  - d) interface closely with our collaborators/strategic partners to insure timely and efficient dissemination of information

**Group Leader/Associate Director—Cell Biologist**

**Job Description:** The successful candidate will manage and oversee a highly skilled team of Ph.D. scientists and associate scientists responsible for assay development and screening for GPCR targets. The successful candidate should have experience working in a multidisciplinary drug discovery environment.

**Qualifications:**
- Ph.D. in biochemistry, cell biology or related field with 2-5 years experience in GPCR and receptor pharmacology
- Hands on experience with high throughput assays to study GPCRs
- Extensive experience in cell biology and assay development
- Experience in one or more of the following disease research areas: CNS, metabolic disease, or cardiovascular diseases
- Excellent data interpretation skills
- Excellent oral and written communication skills in English
- Excellent interpersonal, leadership and organizational skills to:
  - a) recruit, lead, motivate, support and mentor Ph.D. scientists and associates
  - b) solve problems, prioritize tasks, and delegate resources
  - c) set priorities with project leaders and help foster a collaborative environment with colleagues across disciplines
  - d) interface closely with our collaborators/strategic partners to insure timely and efficient dissemination of information

**Site Location:** Beijing, China; Interested candidates should submit their C.V.’s to Mr. Dake Wang at hr_us@chemizon.com.

**Website:** www.Chemizon.com
DIRECTOR, NATURAL HISTORY AND CULTURAL MUSEUM

Michigan State University seeks a dynamic leader with significant museum experience to serve as director of its AAM-accredited natural history and cultural museum. Founded in 1857 as part of the university’s land-grant mission, the MSU Museum (hereafter the “Museum”) serves university and world-wide academic communities, scholars and public audiences through collections, research, exhibitions, public programs and services.

The new director will demonstrate a strong commitment to the Museum’s mission of research, scholarship and public engagement, provide sound management and fiscal direction, and balance the unique needs and interests of multiple constituencies. The new director will obtain extramural funding, and strengthen university investment in support of scholarship, technology, education, and distance learning activities in the Museum. The new director will enhance collaborations between the MSU Museum, other academic units and other organizations where they intersect with teaching, research, exhibits, and public programs.

The MSU Museum has significant cultural and natural history collections that include approximately one million specimens and objects in Anthropology, Vertebrate Natural History, Folk Arts and History. The Museum is comprised of 32 full and part-time administrative, faculty, curatorial and support staff. In addition to the public museum building, which contains natural history collections, exhibits and office space, collections are housed in three other campus buildings. The Museum’s collections are accessible through multiple national electronic databases. The staff is engaged in exhibition development which includes a traveling exhibition service. They are involved locally, nationally and internationally in research, scholarship, the development of collections and electronic access to collections data. Staff also works with diverse communities in research and programming. The MSU Museum is a Smithsonian Affiliate, CITES-registered, and designated an anchor organization of the Michigan Council for Arts and Cultural Affairs. Further information can be found at:

The MSU Museum is administrated by the Office of the Provost; the director reports to the Associate Provost for University Outreach and Engagement. MSU Colleges of Arts and Letters, Social Sciences, Natural Sciences, and Agriculture and Natural Resources/Extension provide funding and staff to the museum.

The ideal candidate will have:
- an innovative vision for a university museum that serves multiple constituencies
- a doctoral degree in a discipline related and complementary to the work and collections of the Museum
- a significant record of scholarship and research sufficient to be tenured at Michigan State University
- leadership experience in a museum
- a record of sound fiscal management, securing significant extramural funding and fund-raising
- a strong record of collaboration with diverse stake-holders

More information is available at http://museum.msu.edu/directorsearch. For inquiries and additional information, contact the chair of the search committee, Professor Mark Kornbluh at Kornbluh@msu.edu.

Position is open until filled. Review of applications will begin on March 11, 2009. To apply, please provide a cover letter of interest, a full curriculum vitae, contact information for three references, and three representative scholarly publications to the search committee chair at Kornbluh@msu.edu, or in hard copy to MSU Museum Search Committee, Michigan State University, Kellogg Center, Garden Level, East Lansing, MI 48824-1022.

Michigan State University is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

Your career is our cause.

www.sciencecareers.org
- Job Postings
- Job Alerts
- Resume/Database
- Career Advice
- Career Forum

Get help from the experts.
Faculty Positions in the Division of Molecular Cardiology, Department of Medicine

Several tenure-track, State of Texas funded positions at the Assistant and Associate Professor levels are available. Focus of the Division is Cardiovascular, with emphasis on cardiac hypertrophy, remodeling and heart failure. Funded candidates with a molecular approach that interfaces with translational initiatives are encouraged to apply. Competitive startup packages, incentives and lab space are available. Core facilities include microarray, imaging (confocal and atomic force), proteomics, cell sorting and analysis, and laser capture microdissection. The Division, which is part of the Texas A&M College of Medicine, is located in Temple, Texas, a vibrant city close to Austin. In addition to research, new faculty will instruct fellows and residents, medical and/or graduate students, and will be active in pre- and postdoctoral training. Interactions with clinical researchers are encouraged through Scott & White and the Central Texas Veterans Health Care System, major teaching hospitals of the Texas A&M Health Science Center. The College of Medicine is entering a rapid growth phase with expansion of the medical school class, and a substantial number of new faculty will be recruited in upcoming years. Send CV, statement of research, training and teaching goals, and a list of 3 references to: kbaker@medicine.tamhsc.edu or Kenneth M. Baker, M.D., Division of Molecular Cardiology, Texas A&M Health Science Center, College of Medicine, 1901 South First Street, Building 205, Temple, Texas 76504.

Endowed Chair in Energy

The University of Delaware invites nominations and applications for a new Chair in Energy, endowed by the Unidel Foundation. We seek a distinguished scholar to further strengthen the university’s interdisciplinary teaching and research programs in the field of energy, and to lead the University of Delaware Energy Institute (UDEI) to a position of national and international prominence, as envisioned in the university’s strategic plan, the Path to Prominence™. This Chair is a university-wide position, with potential appointments in multiple departments. The Chair will also serve as Director of UDEI. Additional information about UDEI and energy research at the University of Delaware can be found at www.energy.udel.edu.

Candidates for this position are expected to hold a Ph.D. or equivalent degree, and have a demonstrated record of accomplishments and leadership in energy-related research and scholarship commensurate with appointment to a senior faculty position in one or more departments of the University. Nominations and applications should be submitted electronically to energy-chair@UDel.edu or sent to Energy Chair Search Committee, University of Delaware, 4 Kent Way, Newark, DE 19716. Application materials should include a statement of interest, curriculum vitae, description of research and teaching interests and accomplishments, and the names and contact information of at least three references. Review of applications will begin on May 1, 2009, and will continue until the position is filled.

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.

Electron Microscopy

@ the iCeMS
Kyoto Univ.

Positions of Junior Professors (at the rank of associate or assistant) and Postdocs are available at the iCeMS (the Institute for Integrated Cell-Material Sciences), a newly established international research center at Kyoto University.

The iCeMS is one of five “World Premier International Research Centers” recently created by the Japanese government. The key goal of the iCeMS is to create an interactive environment for physicists, chemists, and cell biologists to work together to explore the science of “meso-space” (the subcellular domain wherein macromolecules interact and function collectively), and also to develop new, materials and new technologies for working at this important and relatively uncharted scale of 5-100nm. For details, visit http://www.icems.kyoto-u.ac.jp. The official language at the iCeMS is English, so all applicants must be fluent in English but need not know the Japanese language.

Key to promoting cross-disciplinary research at the iCeMS will be the development of a top laboratory for electron microscopy (EM). Associate or assistant professor who becomes affiliated with this EM laboratory are expected to develop their own strong research projects, as well as to collaborate with other scientists at iCeMS working in other disciplines, as well as to collaborate with scientists around the globe. Prof. John Heuser of Washington University School of Medicine in St. Louis, MO, USA, will direct the development of this new EM laboratory, oversee all hiring decisions, and strive to insure that this laboratory becomes a world center of technical excellence in EM. Given Dr. Heuser’s expertise, one focus of the lab will be to use the latest techniques of “quick-freezing & deep-etching” to prepare meso-scale entities for imaging with the latest, most up-to-date scanning EMs as well as transmission EMs.

The initial contract for the professor position will be for 5 years. Near the end of this period, a major review of their accomplishments will be conducted to determine if their tenure can be extended for two or three more years. In the meantime, ample opportunities will exist for them to be promoted within the iCeMS and/or to establish joint faculty positions in other Departments of Kyoto University.

The initial deadline for applications is June 1, 2009, at which time the selection process will be initiated. Thereafter, all positions will remain open until they are filled.
Breast Cancer Scientist

The John Wayne Cancer Institute at Saint John’s Health Center is seeking a highly qualified Ph.D. applicant for a faculty appointment in basic science and translational cancer research at the Assistant or Associate member level, depending on the candidate’s qualifications. The successful candidate will develop a research program in human breast cancer in an environment that encourages collaborative team science. Excellent clinical specimen resources are available.

Our world-renowned breast cancer program in cancer research, treatment, and diagnosis, headed by Armando E. Giuliano, M.D., clinically and by Dave S.B. Hoon, Ph.D., in laboratory research, offers opportunities for creative science.

The ideal applicant must be capable of competing for government grant funding with the goal of developing an independent research program and must have demonstrated productive and innovative breast cancer research. A minimum of 2 years’ experience beyond postdoctoral fellowship is required. The salary, which includes a comprehensive benefit package, will be commensurate with experience.

Please send a cover letter stating current and future research interests, three references, curriculum vitae, and most significant publications to:
Armando E. Giuliano, M.D., Chief of Science and Medicine
John Wayne Cancer Institute
2200 Santa Monica Blvd.
Santa Monica, CA 90404
or email: giulianoa@JWCI.org

Post Doctoral Scientist

We have an immediate opening for a post doctoral scientist in our drug discovery group. This person will be studying the effect of various molecules of TGF beta family on erythropoiesis. He/she will set up various in-vitro and in-vivo assays to study development of red blood cells.

Basic Qualifications: This position requires a Ph.D. in Cell Biology or related discipline with 0 to 1 year of post doctoral experience. He/she must be proficient in molecular biology, gene expression and cell biology techniques. Prior experience in studying hematopoiesis/ erythropoiesis will be a plus. This individual should be able to work in a multi-disciplinary environment and possesses strong communication skills.

Please apply at: www.acceleronpharma.com.

President

The Gladstone Institutes, a freestanding biomedical research organization affiliated with the University of California, San Francisco, is recruiting an outstanding scientist to serve as President. Gladstone focuses on cardiovascular disease, HIV/AIDS, and neurodegenerative disorders and has also established a Center for Translational Research.

Duties of the position include long-range strategic planning, promoting the basic science and translational research, and fundraising. Candidates should have established scientific excellence, proven leadership ability, management skills, and demonstrated fundraising capability. Experience with the private sector would be welcomed. Competitive salary provided.

All inquiries, nominations and application materials will be kept in strict confidence. For more information about Gladstone, please visit our website at www.gladstone.ucsf.edu.

Review of resumes will begin immediately. This position will remain open until filled; however, for priority consideration, application materials should be received no later than May 1, 2009. Applications and nominations may be sent to:

Susan Dzierson, Human Resources Officer
The J. David Gladstone Institutes
1650 Owens Street
San Francisco, CA 94158
E-mail: sdzierson@gladstone.ucsf.edu
Fax: 415-355-0910

The J. David Gladstone Institutes and UCSF are Affirmative Action/Equal Opportunity Employers. They undertake affirmative action to assure equal employment opportunity for underutilized minorities and women, for persons with disabilities, and for covered veterans. Gladstone and UCSF seek candidates whose experience, teaching, research or community service has prepared them to contribute to our commitment to diversity and excellence.

Acceleron Pharma

Founded in 2003, Acceleron Pharma, Inc. is a biopharmaceutical company developing therapeutics for musculoskeletal, metabolic and cancer-related diseases. In the complex and rapidly evolving field of drug discovery and development, the depth of the team and the way the team members work together are two of the most critical success factors. We have a unique culture, team, and approach that is rapidly translating our ideas and assets into drugs that will make a significant difference in patients’ lives.

Acceleron has raised over $85M in venture financing including $31M from our Series C financing in October 2007. We have assembled a strong management and scientific team comprised of established leaders with significant biotechnology and pharmaceutical industry experience. We are seeking talented and passionate individuals who thrive in a dynamic, fast-paced, team-oriented and collaborative environment to be part of our success.

The University of Colorado Denver School of Medicine seeks applicants for the position of Chair of the Department of Pharmacology. The Department consists of 24 faculty members whose interests span neurosciences, cell biology, drugs of abuse, genomics and bioinformatics, signal transduction, lipid mediators, and structural biology. The Department occupies dramatic new laboratories and offices in twin towers of the Research Complex at the new University of Colorado Denver Anschutz Medical Campus.

The Department of Pharmacology has a large basic science research program with more than $19 million in annual research funding. The Department has won numerous awards for the teaching of medical students. Details are available at the departmental web site: http://pharmacology.ucdenver.edu/index.shtm.

The Chair of the Department of Pharmacology reports to the Vice-Chancellor for Health Affairs/Dean of the School of Medicine and participates with other department chairs and faculty to develop School and Department programs, curriculum, administration, and budgetary planning and implementation. The position requires excellence in teaching, demonstrated administrative ability/leadership and leadership in research and scholarly activity.

Review of applications will continue until the position is filled. Applicants should apply online at the https://www.jobsatcu.com website using posting number 806418. Questions about the application process may be directed to Jan.Bodin@ucdenver.edu.

The University of Colorado Denver is committed to the recruitment and employment of a diverse faculty. We encourage applications from women and minorities.
Call for applications for Associate Chief Scientist
RIKEN, Japan

RIKEN, one of Japan's largest research organizations, carries out advanced basic and applied research in a wide range of fields, including physics, chemistry, medical science, biology, and engineering. RIKEN is now accepting applications for the position of Associate Chief Scientist. There are currently several openings. This position is open to all research fields, but priority will be given to those areas which can be expected to make the best use of RIKEN’s resources and achieve remarkable progress.

1. Qualifications
Self-disciplined scientists with a long-term vision of the next generation of scientific endeavor, and with the ability and research record to preside over their own autonomous laboratories will be considered as candidates for this position.

2. Laboratory & Budget
(1) The Associate Chief Scientist will establish and manage a laboratory independent of Chief Scientists and other PIs.
(2) An initial fund of 20 million yen (in principle) and a quota for hiring fixed term contract research scientists will be provided for the start-up of the Associate Chief Scientist lab.
(3) The Associate Chief Scientist is eligible to apply for funding from within and outside RIKEN.
(4) To allow for greater focus on research and greater flexibility, the Associate Chief Scientist has relatively fewer administrative duties compared to a Chief Scientist.

3. Remuneration
Annual salary with a bonus system. Other points are as described in RIKEN regulations.

4. Type of employment
The position is tenured, subject to RIKEN’s mandatory retirement age of 60.

5. Starting date of employment
April 1, 2010 (in principle)

6. Application deadline
17:00 on Friday, May 15, 2009 (Japan Standard Time). All application documents should be sent by post mail or hand-delivered directly to the Associate Chief Scientist Desk. If you mail the documents, please send as certified mail.


Associate Chief Scientist Desk, Research Personnel Section, Advanced Research Promotion Division, RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198 Japan. E-mail: riken-acs(at)riken.jp.
Tenure-Track Faculty Position: Complex Systems in Transportation
School of Engineering and Mathematical Sciences

The School of Engineering in the University of Vermont College of Engineering and Mathematical Sciences (UVM CEMS) will be seeking a tenure-track faculty member in Complex Systems in Transportation, specifically in Transportation Activity Modeling, for a fall, 2009 start date. This opportunity capitalizes upon a core UVM CEMS investment in complex systems (see CEMS Complex Systems Center website: www.uvm.edu/~cemstrans) and the designation of UVM as a National University Transportation Center (UTC) by USDOT to develop transdisciplinary research in Sustainable Transportation Systems (see www.uvm.edu/~transctr).

Candidates for this position will have strong complex systems analysis and modeling experience based on real-world data, with successful applicants also having demonstrated interest in policy-relevant applications and an appreciation of interdisciplinary approaches and perspectives in engineering in both teaching and research. The candidate must be experienced with complex systems approaches to transportation activity analysis and will be expected to teach undergraduate systems engineering courses in addition to graduate courses in systems and transportation demand modeling. Multimodal interests are particularly desirable – e.g., with focus on air versus rail or rural demand responsive transit. The successful candidate will contribute to undergraduate and graduate instruction and maintain an active program of externally funded research and graduate student advising. Interdisciplinary collaborations will be highly valued and development of a funded research program in partnership with the UVM Transportation Research Center is expected.

The College of Engineering and Mathematical Sciences at UVM is one of the fastest growing on campus, with excellent faculty and students in engineering, computer science, and mathematics and statistics and a leader in high-profile, multi-disciplinary partnerships across campus as well as “holistic” and interdisciplinary approaches to 21st century engineering education. CEMS is also home to the university-wide Vermont Advanced Computing Center – a high performance computing facility serving diverse, computationally intensive research programs across UVM and with UVM partners (www.uvm.edu/~vace). The successful candidate will join this growing community, with approximately 30 permanent faculty colleagues in CEMS’ School of Engineering (http://www.uvm.edu/~soe) itself. Candidates must have a Ph.D. degree in an engineering field, a proven record of scholarly activities, and show potential for strong performance in research and teaching in one of the School’s accredited civil, electrical, environmental, or mechanical engineering programs.

Qualified applicants are required to apply online at www.uvmjobs.com (Search posting # 00021678).

Qualified applicants are also encouraged to contact Dr. Lisa Aultman-Hall at 802-656-1312 or transportation@cemstrans.uvm.edu to find out more information about this position.

Screening of applications will begin April 1, 2009, and continue until the position is filled.

The University of Vermont is an Affirmative Action/Equal Opportunity Employer. All Departments are committed to increasing faculty diversity and welcome applications from women and underrepresented ethnic, racial and cultural groups and from people with disabilities. The University is committed to building a culturally diverse educational and research environment. Applicants will be requested to include in their cover letter information about how they will further this goal.

EVMS
Eastern Virginia Medical School
Director-Glennan Center for Geriatrics and Gerontology

EVMS seeks applications for the position of Director of the Glennan Center for Geriatrics and Gerontology with a faculty appointment in the Department of Internal Medicine at the level of associate professor or professor. Candidates should have an MD or PhD degree, must have demonstrated excellence in research and possess exceptional leadership qualities. The Director will have the opportunity to build a prominent center, emphasizing excellence in research, teaching, and clinical care related to aspects of aging. EVMS is undergoing a significant expansion in the areas of basic and translational research. There are significant resources available, including excellent laboratory space and endowed professorships for recruitment of the Center Director and additional faculty.

The Glennan Center for Geriatrics and Gerontology has gained national and international recognition for excellence in immunology, driving and cognition in the context of aging research. The Center is also a leader in clinical care, providing innovative services to meet the special health care needs of older adults across a full range of practice settings from independent living to assisted living, long-term care, palliative care, and hospital care. The Center currently consists of eleven faculty members, and offers a comprehensive program for clinicians and scientists that provides training in geriatrics and gerontology for medical students, residents, fellows, other health care professionals and junior faculty members.

Eastern Virginia Medical School is located in coastal southeastern Virginia in the nation’s 27th largest metropolitan statistical area. The region offers premier waterfront communities, large beaches, excellent golf, tennis, sailing and other recreational opportunities, and top ranked schools.

Please send a letter of interest including a current curriculum vitae to the Executive Search Committee by e-mail at execcomm@evms.edu. AA-EOE

Tenure-track Faculty Positions
Bacteriology, Virology and Immunology

The Department of Medical Microbiology and Immunology at the University of Toledo College of Medicine is seeking to hire at least one tenure-track faculty member at the level of Assistant/Associate/Full Professor. Candidates must hold a Ph.D., M.D., or equivalent degrees and have at least three years of relevant postdoctoral experience (Assistant Professor) or faculty appointment (Associate/Full Professor), as well as extramural funding. Successful candidates will be expected to develop/maintain an externally funded, basic and/or translational research program and contribute to teaching in our medical and graduate programs.

Applications including (a) CV, (b) a brief summary of research interests, past accomplishments, and future plans, and (c) names and addresses of three references should be sent electronically to: sharon.ellard@utoledo.edu. Applications are continuously reviewed. For further details regarding these positions see http://hsc.utoledo.edu/depts/micro/index.html.

The University of Toledo is committed to diversity and equal opportunity. Applications from women and minority candidates are strongly encouraged.
RESEARCH LEADER Thermal Energy Storage

CIC energigUNE is a recently-created R&D centre focusing on basic, collaborative, multi-disciplinary research in the field of Energy Storage and Renewables.

We are now inviting applications for the post of Research Leader in the area of High and Medium temperature Thermal Energy Storage, to conduct new and challenging research in the field of heat transport and storage systems related to Solar Energy Technologies.

The Fundación CIC energigUNE is one of several CIC centres now operating or at start-up stage that together form the spearhead of basic research in the Autonomous Community of the Basque Country in a variety of fields. These centres enjoy a secure budget befitting their mission and a committed environment for promoting oriented basic research.

The research centre operates within the framework of recently approved long-term research plans, and is part of a major investment drive by the Basque regional government and a group of select private companies operating in the energy industry.

The laboratory will concentrate on basic research. Its aim will be to achieve a breakthrough in Thermal Energy Storage, based on heat transport and storage systems in the areas of Sensible heat storage and Latent heat storage (including among others alternative molten salt formulations), Storage in reversible Thermochemical Reactions and New Products associated with nanocrystals.

We are offering a permanent position that will give you a unique opportunity to custom-build your own laboratory and research team, and responsibility for coordinating with other centres in guiding energy-related basic and applied research.

As a Research Leader you will find a flourishing scientific community conducting synergistic research in both the universities and other CIC Labs already operating in the region.

In addition to the appeal of the entire project, the CIC energigUNE offers a competitive basic salary augmented by benefits that compare favourably with the best global private and public institutions.

The Fundación will also help smooth the transition for you and your family, providing a welcome programme that offers accommodation and addresses other aspects to help you integrate into the local environment.

We are looking for a motivated and experienced research leader capable of taking up this unique opportunity to develop an ambitious research programme. Applicants should have a high degree of initiative and should be open to intense interdisciplinary collaboration with other research centres.

The candidate should hold a PhD in Engineering, Chemistry or Physics, with experience in the field of High and Medium Temperature Heat Storage Systems; and should be familiar with the various physical and chemical phenomena associated with high capacity heat storage systems. As CIC EnergigUNE will be basic research oriented, the candidate should also have a knowledge of the latest advances regarding new materials for heat storage.

Preference will be given to candidates with proven experience in the aforementioned areas in research bodies of recognised prestige and capacity for leadership to assemble and integrate different groups working in several heat storage concepts.

Applicants should be fluent in English. A knowledge of Spanish and/or Basque will be considered useful but not compulsory. All applicants are invited to submit a detailed curriculum vitae.

The CIC energigUNE aspires to become an international centre of excellence in Thermal Energy Storage.

Applications should be sent to: cic@cicenergigune.com For further information, see http://www.cicenergigune.com or contact us at cic@cicenergigune.com

The University of Plymouth
www.plymouth.ac.uk/vacancies

Director of the Marine Institute

Consistently ranked one of the top modern universities, Plymouth has a strong record of excellence and innovation across its teaching, learning and research activities and is distinguished by its long-term engagement with employers. As the enterprise university, it delivers outstanding economic, social and cultural return for business, the public sector and its wider community.

With around 30,000 students – including those studying at its partner FE colleges throughout the South West – and 3,000 staff, Plymouth is now one of the largest universities in the UK. It has a strong commitment to widening participation in higher education in the region and its body of University of Plymouth Colleges has been specifically developed to help fulfil that commitment.

Plymouth is one of the top 50 UK universities for research, the results of the 2008 Research Assessment Exercise showing that the majority of the area submitted by the university included world-leading research, achieving the highest rating possible. Overall, 80% of the research was judged as being of international repute.

Plymouth’s four strategic subject areas of Marine Sciences; Health and Biomedicine; Creative Arts, Design and Technology and Economic, Social and Environmental Sustainability build on identified areas of strength and excellence and are aligned with regional economic priorities.

To help students work effectively in a global economy, Plymouth has embarked on an internationalisation project to create and deliver a strategy which will see it partner some of the best institutions in the world, increase collaborations in research projects, share academic curricula and extend exchange programmes and internships for staff and students.

Rated the best-performing UK university of the past two years for its green credentials, Plymouth is home to the Centre for Sustainable Futures one of its Centres for Excellence in Teaching and Learning – which aims to embed sustainability in the curriculum, campus and community.

The university is now seeking to appoint an outstanding, visionary and enterprising leader as Director of the Marine Institute who will take the university forward to be world leading in the key maritime areas.

For an informal discussion please contact Professor Maureen Neal, Deputy Vice-Chancellor on 01752 582009 or email maureen.neal@plymouth.ac.uk although applications must be made in accordance with the details shown below.

Ref:A1062

We offer 35 days holiday plus public holidays and a relocation package is available.

Salary within the range £60,297 - £74,825 pa

Closing date: 12 Noon, Monday 30 March 2009

A Final Salary Pension Scheme is available. Please request an application pack, quoting Ref & Job Title, via:
www.plymouth.ac.uk/vacancies
Email: jobs@plymouth.ac.uk
Tel: 01752 588199 (24 hour answerphone)

Promoting Equality and Diversity
UNIVERSITY OF NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA Research Foundation

The UND Research Foundation operates a new state-of-the-art, 50,000 SF research facility with laboratories in Life Sciences and Advanced Technologies.

Research Director (0811E)

The UND Research Foundation is seeking a dynamic and highly motivated Director of Viral Therapeutics that serves as the organizational leader for the development of therapeutic antibodies and vaccines and manages a group of 8-10 scientists and staff. The Director will also be responsible for leading the Center of Excellence in Passive Therapeutics for viral diseases including the advancement of several product candidates with corporate and academic partners.

Applicant must possess a Ph.D. with proven expertise in Virology and Immunology and knowledge of pre-clinical and clinical trials. Candidates must have demonstrated capabilities in leading a research and development team for viral therapeutics in BSL-3/3+ labs and in successful collaborations with the private sector and public institutions.

Research Scientist – Immunology (0811F)

The UNDRF is seeking a research scientist that has a Ph.D. in Immunology, or a related Biological Science, with demonstrated research experience in immunology and/or immunotherapy-based research. Technical expertise should include both host immunological responses; development and assessment therapeutic antibodies; and significant experience with in vitro and in vivo models. Candidate is required to interact with others and have excellent verbal and written communication skills.

Research Scientist – Virology (0811G)

The UNDRF is seeking a research scientist that has a Ph.D. in Virology, or a related Biological Science, with demonstrated research experience in viral assays and/or viral therapeutics-based research. Technical expertise should include in vitro and in vivo models of viral infection, preferably on BSL-3 pathogens such as WNV or HPAI; assessing therapeutic antibodies; and molecular engineering. Candidate is required to interact with others and have excellent verbal and written communication skills.

Competitive salaries commensurate with qualifications and experience as well as excellent benefits will be provided to successful candidates.

Send C.V. to UNDRF, Suite 2050, 4201 James Ray Drive, Grand Forks, ND 58202, or email to jobs@undrf.org, or fax to (701) 757-5101. Reference Job Code 0811E, F, or G in all correspondence.


AA/EOE

THE JOHNS HOPKINS UNIVERSITY

Oncology Biostatistics

Sidney Kimmel Comprehensive Cancer Center

BIOSTATISTICIANS

Staff (MS) and Faculty (PhD) Level Positions

The Biostatistics Division of the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, founded in 1988, is a leader in the statistical applications in cancer research. We conduct methodologic research in Biostatistics and Bioinformatics to advance cancer research, provide biostatistics and bioinformatics support to medical investigators in cancer and other conditions, and teach research methodology in a wide variety of academic programs in the Johns Hopkins Schools of Public Health and Medicine. The division currently has 7 doctoral level faculty and 5 Master’s level biostatisticians/bioinformaticians. We are recruiting 2 M.S. staff and 1 Ph.D. level faculty with interests in both methodologic and collaborative biomedical research. These new faculty and staff positions will expand a highly successful group of quantitative scientists working collaboratively with both clinical and basic science faculty in the Johns Hopkins School of Medicine. The Division has strong research and teaching connections with the Departments of Biostatistics and Epidemiology in the Bloomberg School of Public Health with an opportunity for joint appointments. Please visit our website: www.cancerbiostats.jhmi.edu.

Staff Biostatistician: These positions require a Master’s degree in biostatistics, computer science or statistics and practical experience in biomedical study design and analysis. Strong written and oral communication skills are necessary, and experience with a range of statistical software is required.

Tenure Track Faculty: Suitable candidates will hold a Ph.D. in statistics, biostatistics, epidemiology or related quantitative fields, with interest and experience in clinical trials, diagnostic/screening studies, and translational research, primarily in cancer. We welcome applications from candidates at any academic rank. At this time we are not recruiting for individuals whose primary interest and experience is in Bioinformatics.

Application Procedure: Applicants should send a Curriculum Vitae (including personal website URL if available), letter of application and two or more letters of reference to: Steven Goodman, MD, PhD, Director, Search Committee, Division of Biostatistics, 550 North Broadway, Suite 1103, Baltimore, MD, 21205-2013.

Applications will be considered until the positions are filled. E-mail applications and inquiries on the status of an application can be directed to Helen Cromwell, Administrative Manager, cromwhee@jhmi.edu.

The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer. We strongly encourage qualified women and under-represented minorities to apply.

VISITING ASSISTANT PROFESSOR

Ecology/Environmental Sciences

The Department of Biological Sciences at Union College invites applications for a one-year Visiting Assistant Professor, to begin in September 2009. The successful candidate will teach a course in each of our three trimesters: ecology (lecture and lab); introduction to environmental studies (lecture and lab); and one course in our first year majors’ sequence. A Ph.D. and a strong commitment to undergraduate education are required. Union College is a highly selective liberal arts college with an emphasis on student research and interdisciplinary programs. Please send a letter of application with curriculum vitae, a statement detailing teaching experience and philosophy, a separate statement of research interests, and three letters of recommendation to: Ecology/Environmental Sciences Visitor Search, Department of Biological Sciences, Union College, Schenectady, NY 12308. Or e-mail: biovisitor@union.edu. Review of applications will begin April 3, 2009, and continue until position is filled.

Union College is an Equal Opportunity Employer and strongly committed to student and work force diversity.

UNIVERSITY OF NORTH DAKOTA

POSTDOCTORAL FELLOWSHIP

Bio-Inspired Engineering

The Wyss Institute for Biologically Inspired Engineering at Harvard University invites applications for a number of Postdoctoral Fellows who will hold academic appointments in one of the three collaborating Harvard Schools: Harvard Medical School, The School of Engineering and Applied Sciences, or the Faculty of Arts and Sciences. The mission of the Wyss Institute is to discover the engineering principles that nature uses to build living things; to pursue the high-risk research that is fundamental to advance this effort; and to harness these insights to create biologically inspired materials and devices to advance human health and improve the environment, thereby revolutionizing clinical medicine and creating a more sustainable world. Applicants are specifically sought working in the following knowledge platforms: bio-inspired microsystems; biomaterials evolution; programmable nanomaterials; anticipatory medical devices; adaptive architecture.

A Ph.D. in a related field is required. Applications, assembled as single PDF files, should contain curriculum vitae, a cover letter describing research interests and goals, a full list of publications, copies of up to three relevant scientific papers, and names and contact information for at least three writers of recommendation, who might be contacted by the search committee. Applications should be sent to e-mail: postdoc@wyss.harvard.edu. Applications will be reviewed beginning March 2009. Later applications are also welcome until the positions are filled. Harvard University is an Equal Opportunity/Affirmative Action Employer, and applications from women and minority candidates are strongly encouraged.

A POSTDOCTORAL POSITION at The Children’s Hospital of Philadelphia and The University of Pennsylvania is available immediately. The position is in the laboratory of Dr. Rodney M. Camire and will examine mechanisms contributing to blood coagulation factor specificity and function. Biochemical approaches both in vitro and in vivo are employed to characterize recombinant blood clotting proteins. Applicants for this position should have a strong background in protein biochemistry and have molecular biology experience. Experience with murine models is also desirable. Candidates for this position should have a Ph.D. or M.D.-Ph.D. degree, good communication, and interpersonal skills, be highly motivated, and be willing to work on a multidisciplinary team. Highly competitive salary and benefits are offered. Curriculum vitae should be sent to: Dr. Rodney M. Camire, The Children’s Hospital of Philadelphia, ARC, Room 302, Philadelphia, PA 19104. E-mail: rcamire@mail.med.upenn.edu.
From climate change to health pandemics, the UK’s national security and prosperity depends on how we work with other nations. This requires a modern and effective Foreign and Commonwealth Office. The FCO provides a unique and flexible network of staff, embassies and offices around the world which serves all of UK Government, helping deliver three essential services: supporting the British economy; supporting British nationals abroad; and managed migration for Britain. The FCO has four policy goals: to prevent counter-terrorism, weapons proliferation and their causes; to prevent and resolve conflict; to promote a low carbon, high growth global economy; and to develop effective international institutions, above all the UN and EU.

In this key, newly-created advisory post, the CSA will report to the Permanent Under-Secretary. The FCO is committed to evidence-based policy making and science, technology and innovation are elements of many of the Department’s missions. There is, however, little capacity within the Department for generating scientific evidence and a need to build a strong “intelligent customer” capability. The CSA’s core role is to ensure that the Department’s policies and operations, and its contribution to wider government issues, are underpinned by excellent science, technology and innovation advice. This will involve:

- providing advice to the Foreign Secretary, Ministers and officials on science, technology or innovation;
- engaging actively with the cross-Government community of science advisers;
- building partnerships with stakeholders across the UK and international science and engineering community;
- promoting the FCO’s public science messages alongside the Government CSA;
- strengthening scientific and engineering capacity in the FCO.

The successful candidate will be a scientist of high academic standing, for example an FRS or FREng, with a strong international profile. He/she will need broad links to academic networks in the UK and internationally, with the ability to span a wide and varied scientific brief, as well as outstanding interpersonal and influencing skills. Strategic awareness will be an asset, with the capacity to identify policy areas where science, technology or innovation should play a role, and the ability to communicate complex scientific advice so that Ministers, officials and the public can understand it.

The successful candidate will need to be a UK national and willing and able to be security cleared to the highest (“developed vetting”) level.

**Salary:** An attractive salary package including 17% superannuation will be negotiated with the successful candidate.

**Job No:** 001777.

For position information and to apply online go to www.hr.unimelb.edu.au/careers, click on ‘Job Search’ and search under the job title or job number.

An Equal Opportunity employer.

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**Chair/Head of Department – Pathology.**

**Department of Pathology, Faculty of Medicine, Dentistry and Health Sciences, Melbourne, Australia**

Pathology is one of the foundations of clinical medicine and research into human disease, and the Chair of Pathology and Head of Department at the University of Melbourne will ensure the Department continues to be a major contributor to the teaching, research and knowledge transfer activities of the University and the Faculty.

The Chair will come from either a science or medical background, and will lead the development of pathology teaching and research as molecular medicine advances and the Melbourne Model is implemented.

The University of Melbourne is globally recognised as one of the world’s best, and continues its 150 year tradition of excellence in intellectual, cultural and professional development locally and internationally.

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**Chief Scientific Adviser**

**Part-time – c. 3 days per week**

**c. £120,000 pro rata – London**

From climate change to health pandemics, the UK’s national security and prosperity depends on how we work with other nations. This requires a modern and effective Foreign and Commonwealth Office. The FCO provides a unique and flexible network of staff, embassies and offices around the world which serves all of UK Government, helping deliver three essential services: supporting the British economy; supporting British nationals abroad; and managed migration for Britain. The FCO has four policy goals: to prevent counter-terrorism, weapons proliferation and their causes; to prevent and resolve conflict; to promote a low carbon, high growth global economy; and to develop effective international institutions, above all the UN and EU.

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The successful candidate will need to be a UK national and willing and able to be security cleared to the highest (“developed vetting”) level.

_The FCO is committed to being an equal opportunities employer and values and welcomes diversity._

For further information about the role, please visit www.rapublicsector.com

Applications, including a full CV, supporting statement and monitoring questionnaire, should be sent by email to publicsectorresponses@russellreynolds.com quoting reference FCO-CSA or to Russell Reynolds Associates, 24 St James’s Square, London SW1Y 4HZ or telephone +44 (0) 20 7830 8052/8083 for assistance.

Closing date: 27th March 2009
Predicting Drug Liabilities
NCEs: Discovery to POC
RNAi Therapeutics
Antibody & Protein Therapeutics

Benchmark Your R&D Efforts,
Find New Markets & Develop
Your Drug Hunting Skills

New This Year
- The Antibody Discovery & Protein Science Summit
- Specialized Tutorial on Immunogenicity Prediction
- Two Concurrent Sessions Featuring 50+ Speakers

Special FDA Presentation
FDA’s Strategy for Predictive Toxicology
Donna L. Mendrick, Ph.D., Director, Division of Systems Toxicology, NCTR, U.S. Food and Drug Administration, USA

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Keynote Presentations

From Cancer Genomics to Cancer Treatment: Hope to Reality
Yusuke Nakamura, M.D., Ph.D.,
Director, Human Genome Center and Professor
The University of Tokyo, Japan

Human Genome: Advances in Extracting Useful Data
Yoshihide Hayashizaki, M.D., Ph.D.,
Director, Omics Science Center,
RIKEN, Japan

Just Added Keynote:
Kentaro Yoshimatsu, Ph.D., Senior Vice President, Research & Development,
Eisai Co., Ltd., Japan

Assistant Professor, Structural Biology
Children’s Hospital Boston
Harvard Medical School

The Program in Cellular and Molecular Medicine at Children’s Hospital Boston in partnership with the Department of Biological Chemistry and Molecular Pharmacology (BCMP) at Harvard Medical School is recruiting tenure track faculty at the rank of Assistant Professor. Our Program (also known as the Immune Disease Institute) is highly interactive and offers outstanding opportunities for collaboration and technical support. The successful candidate will be offered a competitive start-up package. He/she will direct an independent research laboratory and his/her work will complement and enhance the efforts of our distinguished faculty in cell biology, immunology, inflammation, vascular biology, infectious disease and cancer. This is part of a major initiative in structural biology involving several recruits, space in a new building on Longwood Avenue, and substantial new funding.

We are seeking a candidate who integrates macromolecular structure and biological function, especially someone who works on fundamental problems involving signal transmission in extracellular and cytoplasmic environments and across cell membranes. Approaches using molecular dynamics and spectroscopy, protein structure prediction and design, X-ray crystallography, electron microscopy, single molecule studies, and innovative light microscopy will be of special interest. The structural biology initiative will be able to draw on available resources at Children’s Hospital and the HMS Center for Molecular and Cellular Dynamics (CMCD).

Please forward a cover letter requesting consideration by the search committee, curriculum vitae, reprints of key publications, letters separately sent from three referees, and a two-page statement of research interests including previous contributions and future research plans, no later than May 1, 2009 to:
Timothy A. Springer and Stephen C. Harrison, Search Chairs, 3 Blackfan Circle – room 3103, Boston, MA 02115; recruitment@idi.harvard.edu.

Children’s Hospital Boston and Harvard Medical School are Affirmative Action/Equal Opportunity Employers. Women and minority candidates are strongly encouraged to apply.
Join Keystone Symposia for a meeting on one of these five continents

**Human Immunology and Immunodeficiencies**
Organized in collaboration with the Chinese Society of Immunology
May 12-17, 2009
Capital Hotel • Beijing, China
Organizers: Lennart Hammarström, Xiao-Jun Xu, Jean-Laurent Casanova and Xiao-Ming Gao
Topics include:
- Development of Immunity
- Antibody Deficiencies
- Non-B Cell PIDs
- Therapy for Primary Immunodeficiency Disease
- Genetics of Common Infectious Disease
- Mechanism of Immunodeficiency in HIV
Early Registration Deadline: April 2, 2009
www.keystonesymposia.org/9D7

**Telomere Biology and DNA Repair**
October 9-14, 2009
RACV Royal Pines Resort & Spa
Ashmore, Queensland, Australia
Organizers: Roger R. Reddel, Michael B. Kastan and Titia de Lange
Topics include:
- DNA Damage Sensing and Signaling
- Telomeres and DNA Damage Response
- BIR and ALT
- DNA Repair
- Telomerase/Control of Telomerase
- Telomeres, DNA Repair and Human Disease
Early Registration Deadline: June 10, 2009
www.keystonesymposia.org/9T1

**Deregulation of Transcription in Cancer: Controlling Cell Fate Decisions**
Organized in collaboration with Science Foundation Ireland
June 21-26, 2009
INEC-Ireland’s National Events & Conference Centre
Killarney, County Kerry, Ireland
Organizers: Beverly M. Emerson and Edison T. Liu
Topics include:
- Transcriptional Regulation through Epigenetic Control in Cancer
- Mechanisms of Transcriptional Misregulation
- Tumor Promotion through Aberrant Transcription
- Activation of Developmental Transcription Pathways in Cancer
- Mapping the Transcriptome in Cancer States
- Gene Expression Cassettes and Transcriptional Networks in Cancer
- Modifying Transcription and Transcription-Targeted Therapeutics
Early Registration Deadline: April 21, 2009
www.keystonesymposia.org/9E2

**Overcoming the Crisis of TB and AIDS**
Part of the Keystone Symposia Global Health Series
October 21-25, 2009
Arusha International Conference Centre
Arusha, Tanzania, Africa
Organizers: Anne E. Goldfeld and Stefan H.E. Kaufmann
Topics include:
- The TB and AIDS Crisis and its Impact on Life
- TB/HIV
- Delivery/Thinking Outside of the Box: Developing Need-Based Solutions
- Vaccines/Drugs
Early Registration Deadline: August 21, 2009
www.keystonesymposia.org/9T2

For a complete list of 25 conferences held in North America in March, April and June 2009, please visit www.keystonesymposia.org.

Program and location information subject to possible change.
POSITIONS OPEN

STAFF FELLOW (Biology/Microbiology)
Department of Health and Human Services, Food and Drug Administration
Center for Biologics Evaluation and Research, Office of Vaccines Research and Review, Division of Bacterial, Parasitic and Allergenic Products

Department of Health and Human Services, Food and Drug Administration, Center for Biologics Evaluation and Research, Office of Vaccines Research and Review, Division of Bacterial, Parasitic and Allergenic Products, Laboratory of Mycobacterial Diseases and Cellular Immunology has a tenure-track position for a Biologist with a Ph.D. in biology, microbiology, immunology, or related field. The candidate is expected to contribute to an ongoing research program related to the pathogenesis and immunology of tuberculosis, and to participate in the regulation of new bacterial vaccines. The goals of the research program are to better understand the pathogenesis of Mycobacterium tuberculosis and to identify and evaluate new vaccine candidates for the prevention of tuberculosis. The Laboratory of Mycobacterial Diseases and Cellular Immunology’s regulatory responsibilities include the review of vaccines against tuberculosis, malaria, tularemia, and other bacterial pathogens. The Laboratory is composed of a diverse group of scientists investigating the pathogenesis and immunology of intracellular organisms.

Qualifications: Eligible individuals will be U.S. citizens or U.S. permanent residents with a Ph.D. in an appropriate field and further relevant postdoctoral experience with a clear record of productive and collaborative productivity. Candidates with demonstrated interests in mycobacterial vaccines and the pathogenesis of M. tuberculosis, significant laboratory experience in bacterial pathogenesis, infectious disease immunology, and animal models of infection, and at least three years of postdoctoral experience are preferred.

Salary range: Salary is commensurate with education and experience, with an excellent benefits package.
Location: NIH campus in Bethesda, Maryland.

How to apply: Candidates should send a resume or curriculum vitae, bibliography, a brief summary of research accomplishments and interests, and the names/contact information for three references by April 30, 2009, to e-mail: cber.employment@fda.hhs.gov.

For further information, please visit our website: http://www.fda.gov/cber/inside/vacancy.htm.

Department of Health and Human Services is an Equal Opportunity Employer with a smoke-free environment.

POSITIONS OPEN

ASSISTANT PROFESSOR (MARINE ECOLOGY)
The U.S. Coast Academy, located in New London, Connecticut, invites applications for a full-time, permanent, tenure-track academic faculty position in the broad area of human impacts on marine and coastal environmental health, commencing fall 2009. The successful candidate will teach undergraduate courses in marine pollution for marine science majors and oceanography for nonscience majors. Additional opportunities include undergraduate research and the development and teaching of upper level courses within the marine and environmental sciences major appropriate to the candidate’s specialty. In addition, the successful candidate will be expected to develop a collaborative relationship with other marine safety programs such as pollution prevention and response, providing technical expertise and input to strategic decision making.

Applicants should possess a Ph.D. degree in marine biology, marine science, oceanography, or related field. Undergraduate teaching experience is preferred; applicants with background in geographic information systems are encouraged to apply. Academic rank will be based on qualifications and experience; salaries are highly competitive.

Additional information is provided on the USAJOBS website: http://www.usajobs.gov/. Key word: Marine Ecology, location: New London, Connecticut, or by contact, Dr. Colleen White, telephone: 860-444-8653; e-mail: c.white@uscg.mil. Submit, by March 31, 2009, a letter of application summarizing specific qualifications, a current curriculum vitae, a statement of teaching philosophy, and names, addresses, and telephone numbers of three references to:

Science Department
U.S. Coast Guard Academy
Attn: Search Committee (Marine Ecology)

New London, CT 06320-8101

Applications may also be sent to fax: 860-444-8627; Attn: Dr. Sam Wainright, or e-mail: sam.c.wainright@uscg.mil. Some citizenship restrictions may apply. Women and minority candidates are encouraged to apply. The U.S. Coast Guard Academy is an Equal Opportunity, Affirmative Action Employer.

PHYSIOLOGIST/ANATOMIST

The Department of Health Sciences in the College of Public Health at East Tennessee State University (ETSU) seeks applications for a tenure-track position at the ASSISTANT PROFESSOR level opening in August 2009. The Department offers an undergraduate degree in Health Sciences with concentrations in microbiology and human health. The Department also has an undergraduate honors program and a joint graduate program with the Department of Biological Sciences offering an M.S. degree with a microbiology or biology concentration. The position requires teaching undergraduate lecture and laboratory courses in anatomy/physiology and upper division human physiology. Direction of student research at graduate and undergraduate levels is expected. Qualifications: An earned Ph.D. (or completion of a Ph.D. prior to beginning the position) in a relevant field with university level teaching experience in anatomy/physiology. Development of an extramurally fundable research program that complements the mission of the Department and the College of Public Health is expected. Screening of applications will begin immediately and continue until the position is filled. Application materials should include letter of application, completed ETSU application (website: http://www.etsu.edu/humanres/appindex.htm), curriculum vitae, description of research interests, and contact information for three references to: Dr. Brian Chakraborty, Associate Professor and Chair, East Tennessee State University, Department of Health Sciences, P.O. Box 70673, Johnson City, TN 37614-1709. E-mail: chakrabet@etsu.edu. Electronic submissions are encouraged.

CAREER OPPORTUNITY

Doctor of Optometry (O.D.) degree in 27 months for Ph.D.s in science and M.D.s. Excellent career opportunities for O.D./Ph.D.s and O.D./M.D.s in research, education, industry, and clinical practice. This unique program starts in March 2009, and serves students in classes 1.2. and 1.3. as well as faculty and research scientists. For additional information, visit our website: http://www.etsu.edu/humanres/appindex.htm.

Contact the Admissions Office, telephone: 800-824-5526 at the New England College of Optometry, 424 Beacon Street, Boston, MA 02115.

Additional information at website: http://www.peco.edu, e-mail: admissions@peco.edu.

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BACTERIAL PATHOGENESIS

POSTDOCTORAL FELLOW position is available immediately to join the collaborative research group of Dr. Jeffrey D. Cirillo studying tuberculous pathogenesis. Selected individual will be primarily responsible for conducting independent research on mycobacterial pathogens and publication of results. Research will emphasize the molecular, cell biological, live animal molecular imaging, and immunological characterization of virulence determinants in mycobacteria and their interactions with the host in mice and guinea pig virulence models. Ph.D. required and a record of productive experience in molecular biology of bacterial pathogens preferred. Send curriculum vitae and names of three references by April 15, 2009 (or until a suitable candidate is found), to: Dr. Jeffrey D. Cirillo, Department of Microbial and Molecular Pathogenesis, Texas A&M Health Science Center, MS 1114, 467 Reynolds Medical Building, College Station, TX 77843-1114. Fax: 979-845-3479; e-mail: jdcirillo@medicine.tamhsc.edu. Contact: Dr. Cirillo, telephone: 979-458-0778 for additional information.

Texas A&M University Health Science Center is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

POSTDOCTORAL FELLOWSHIPS

IN TOXICOLOGY

University of Michigan

Research training fellowships in toxicology are available through an interdepartmental National Institute of Environmental Health Sciences/NIH-sponsored training program. The training program emphasizes interdiscipline research in toxicology and a mechanistic understanding of toxicology with applications to prevention of human disease. Research areas of the faculty include molecular, genetic, epigenetic, cell signaling, metabolic, and oxidative stress responses, and response to reproductive, developmental, neural, and immune systems, as well as cancer research and environmental and developmental disease epidemiology. Eligible candidates must be U.S. citizens, noncitizen nationals of the United States, or have legal permanent resident status in the United States. In addition, a candidate must have a Ph.D., M.D., or comparable doctoral degree at the time of appointment. For more information, visit website: http://www.sph.umich.edu/otc/fellowships.html. Direct letters of reference to: e-mail: toxology@umich.edu or by postal mail to: Environmental Toxicology Training Program, Department of Environmental Health Sciences, 109 Observatory Street, University of Michigan, Ann Arbor, MI 48109-2029.