### Positions Open

**ASSISTANT PROFESSOR**

**Molecular Biology**

The Department of Molecular Biology at the University of Wyoming seeks an outstanding scientist for a tenure-track position at the Assistant Professor level. The successful candidate will be expected to establish an externally funded research program, participate in undergraduate teaching in the core molecular biology curriculum, and contribute to the Graduate Program in Molecular and Cellular Life Sciences (website: http://uwacadweb.uwyo.edu/UWMolBio/). Salary and startup package will be competitive. Candidates must have a Ph.D. degree or equivalent, postdoctoral research experience, and clear evidence of research productivity. Applications should be sent via e-mail: molecularbiology@uwyo.edu as a single PDF file (labeled with your last name) that includes a cover letter, curriculum vitae, research interests, and teaching interests and philosophy. In addition, three letters of recommendation should be sent via e-mail: molecularbiology@uwyo.edu or by regular mail to: Search Committee Chair, Department of Molecular Biology, University of Wyoming, 1000 E. University Blvd., Laramie, WY 82071. The Department of Molecular Biology consists of 15 faculty with diverse research interests and significant extramural support (website: http://uwacadweb.uwyo.edu/UWMolBio/). The University of Wyoming enrolls about 12,000 students, including about 2,500 graduate students. Laramie is located in the Rocky Mountain region of southeastern Wyoming, about 120 miles from Denver. In addition to opportunities for academic excellence, the University of Wyoming offers a college-town environment, extraordinary outdoor recreation, and daily conveniences that contribute to our quality of life. Screening of applications will begin on October 15, 2008, and continue until a suitable candidate is identified. The University of Wyoming is an Equal Opportunity/Affirmative Action Employer.

### Positions Open

**DIRECTOR**

**EXECUTIVE**

**For Advanced Energy Solutions**

The National Energy Technology Laboratory (NETL) has partnered with three major regional universities (Carnegie Mellon University, the University of Pittsburgh, and West Virginia University) to establish the Institute for Advanced Energy Solutions (IAES). NETL’s objective is to position the IAES as a prestigious and nationally recognized research organization that will address critical energy technology needs for the nation. Parsons, one of that managing contractors on behalf of NETL and the three universities, is seeking candidates for the position of Executive Director, IAES, which will be based in Pittsburgh, Pennsylvania. We are currently in search of candidates possessing the following qualifications: (1) Ph.D. in engineering or science, (2) successful record of scholarly research in fields relevant to energy technology, (3) experience in managing a technical or research organization, and (4) background in leading and growing a large research organization.

To view the full job description, please visit us at: website: http://www.parsonsjobs.com, searching for identification #11344. For confidential consideration, please e-mail: lisa.kearney@parsons.com. Equal Opportunity Employer/Men/Women/Females/Persons with Disabilities/Veterans.

### FACULTY POSITION IN MICROBIAL PATHOGENESIS

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Northwestern University Feinberg School of Medicine

A tenure-track position is open for a full-time faculty researcher (Ph.D., M.D./Ph.D. or M.D.) in the areas of microbial pathogenesis (bacteria, parasites, and fungi), biodefense, immunobiology of microbial infections, normal microbial flora, or general microbiology. Rank is open, and salary is negotiable. Applicants should have substantial peer-reviewed publications that demonstrate research productivity and the ability to perform cutting-edge research. Candidates for an ASSISTANT PROFESSOR position should have postdoctoral research experience and a history of grant support and academic service. Candidates should also have an interest in teaching graduate and medical students. Starting date is negotiable after April 1, 2009. Application materials will be reviewed as received but, to receive full consideration, should be received by November 30, 2008. Please send complete curriculum vitae, a research statement, and the name and contact information of at least three references to: e-mail: nwmicrosearch@gmail.com.

Northwestern University is an Affirmative Action, Equal Opportunity Employer. Women and minorities are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

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POSITIONS AVAILABLE:

NO Ph.D. REQUIRED?

Not sure a Ph.D. is the best route? Take heart: There are plenty of opportunities in science for those who have a B.S. or M.S. degree. By Jacqueline Ruttimann

Upon completing college, many science undergraduates who don’t want to go on to medical school think only one other option exists: pursuing a Ph.D.

A Ph.D., however, is not one-size-fits-all. While personally and financially rewarding in the end, those who choose this path should do so upon serious introspection. Long hours with low pay and dry spells in data are often the norm. Add to this the varied completion time which, depending on the program, ranges from four to eight years.

For those not sure of the life-style or time commitment involved, other fast-track options such as obtaining a Master’s degree or entering a company exist. Many of these choices lie in not commonly considered industries or up-and-coming fields of study.

Food for Thought

A possible career may lie in the cereal you crunch or the soda you sip. Careers in the food industry are plentiful and in high demand, especially for budding scientists with either a Bachelor’s or Master’s degree.

“When most people think food science they think McDonald’s and flipping burgers. Part of it is working on new types of beer, better packaging, and products that are environmentally friendly,” explains Martin Wiedmann, director of graduate studies for the Department of Food Science at Cornell University, Ithaca, New York.

In technical terms, food science is the application of biological and physical sciences as well as engineering to the processing and manufacturing of foods in order to ensure their nutritive value, safety, and quality. To study the interactions of foods and food components, the field comprises several disciplines including chemistry, animal and plant biology, biochemistry, biotechnology, nutrition, physiology, microbiology, and engineering.

Professional food scientists also have the tall order of trying to increase the food supply to meet the demands of a rapidly growing population without straining the environment.

“It’s a great opportunity for people who like the application aspect of science and are looking to have a tremendous impact,” says Wiedmann.

Cornell’s Food Science Program offers two types of Master’s degree: a one and a half to two-year Master of Science (M.S.), for those relatively new to research, and a one-year Master of Professional Studies (M.P.S.), for those already in a professional career but wanting to upgrade their core set of skills and knowledge. While both degree programs require classes and research with department faculty members, only the M.S. students must submit a research-based thesis. Each program is tailored around the individual student, in which the class schedule is worked out in collaboration with an adviser. Students have a choice of classes such as general and international food science, food microbiology and engineering, enology, dairy science, sensory science, and food safety.

The students are in such high demand, says Wiedmann, that “most of our students have two to three job offers by the time they end their senior year.” These offers range from governmental institutions such as the U.S. Food and Drug Administration and the U.S. Department of Agriculture to various food industries such as breweries and chocolatiers.

“The program is a great stepping stone between academia and industry,” says current M.P.S. student Yankai Liu. “It provides the skills and expertise that are essential for a future career.”

On scholarship from his native country Singapore, Liu plans to return there and serve in the Civil Service. Before then, however, he is working on a project with food process engineering professor Syed Rizvi on methods to improve mineral fortification of rice. The rewards of his efforts are plenty: if perfected, the rice could aid those suffering from malnourishment. continued »
“The global demand for grain and record commodity prices are driving up demand for faster delivery of new products with better technologies.”
—Dave Bubeck

Recipes for Success

“Lab work for the sake of lab work wasn’t really interesting, and I didn’t want to be in grad school that long,” says Sarah Kirk, who, after getting her biology degree from Hiram College, spent a couple of years as a lab tech in a microbiology lab at Case Western University, Cleveland, Ohio.

Cornell’s program was a perfect fit. Kirk worked with food science professor Kathryn Boor on why flavored milk spoils faster than unflavored milk, and was hooked. Upon graduating, Kirk landed a job at M&M/Mars, where she specialized in confections and worked for five years on Starburst and helped launch mint Skittles. She is now at Kashi, where she works on whole grain and naturally healthy products ranging from cereals to snack bars. Although the food products differ, the extensive technical background from Cornell’s program enabled her to easily make the switch.

“Only one or two companies prefer Ph.D.s,” says Kirk. “A Master’s degree was enough to get my foot in the door.”

Alum Sam Alcaine has a job that most scientists who homebrew would crave: He works as a product developer at MillerCoors. While a senior majoring in cellular and molecular biology and genetics at the University of Maryland, College Park, brewing became a hobby to Alcaine. Wiedmann called and offered him an opportunity to combine his loves of genetics and yeast fermentation. “That basically sold me,” he says. He worked on his M.S. in Wiedmann’s lab on the transmission of antibiotic resistance genes among different Salmonella strains, and through the department’s social network, landed his current job. “When looking for a Master’s program, it doesn’t always have to be your angle, but it does have to give you the tools,” he advises.

Field of Dreams

Those not looking to go to graduate school right away and who would rather move straight into the work force could consider the agricultural biology industry. A not-too-distant cousin to food science, agrobio entails research and development of seed crops.

“The global demand for grain and record commodity prices are driving up demand for faster delivery of new products with better technologies,” explains Dave Bubeck, North American research director at Pioneer Hi-Bred International, a leading global source of customized solutions for farmers, livestock producers, and grain and oilseed processors.

Plant breeding is a multidisciplinary field. Those who have entered it have had backgrounds in agronomy, agricultural engineering, plant sciences, entymology, botany, general biology, molecular biology, and genetics. As the field has become more computer based, it is not surprising to find even those with a mathematics or statistics degree. “There are excellent growth opportunities for those with a Bachelor’s or Master’s degree. The ratio in research and development groups in the seed industry of Ph.D.s to undergrads/Master’s students is approximately 1:5,” says Bubeck.

The timing for Bachelor’s and Master’s students, according to Bubeck, has never been better. Pioneer operates more than 90 worldwide research centers and has undergone a significant expansion in its R&D department. Nearly 300 new positions in this department were added in 2007, and the company plans to offer more than 300 additional positions this year—most of which will be non-Ph.D.

Similarly, over 70 percent of research associate positions at Monsanto are filled by those who have either a Bachelor’s or Master’s, says Alexandra Doronkin, the company’s technology recruiting lead. Many who continue to work at Monsanto quickly climb the corporate ladder. “We go by contributions people make,” she says. “We have many examples of people with Bachelor’s or Master’s degrees leading scientific project teams and managing key functions.”

Bubeck offers the following piece of advice to future college graduates: “If you’re not certain of pursuing a graduate degree after your Bachelor’s, it may be more beneficial to get out into the work world first. If it leads you back to grad school, you are more committed to it.”

Best of Both Worlds

Contemplating a career in either medicine or science? You may be able to find the best of both worlds in genetic counseling.

With the advent of next generation sequencing technologies, even more is being learned about our genetic makeup. However, there is a great need for this information to be translated to patients or relatives who are at risk of an inherited disorder. These people need to understand the disorder and its consequences, the probability of developing or transmitting disease, and the prevention options needed for personal health choices or family planning.

“It’s part science, part counseling,” explains Angela Trepanier, certified genetic counselor and president of the National Society of Genetic Counselors. “For somebody who really likes science but is not interested in becoming a physician or working on the bench as a Ph.D.—but is interested in working with people—this is a great profession to choose.” continued »

Featured Participants

American Board of Genetic Counseling www.abgc.net
Cornell University www.cornell.edu
Monsanto www.monsanto.com
National Society of Genetic Counselors www.nsgc.org
Northwestern University www.northwestern.edu

Pfizer www.pfizer.com
Pioneer Hi-Bred International Inc. www.pioneer.com
University of Alabama-Birmingham www.uab.edu
Wayne State University wayne.edu

984 www.sciencecareers.org/businessfeatures
Kent State University’s College of Arts and Sciences offers Ph.D. and M.S. degrees in the sciences and related disciplines. Students receive hands-on experience working side-by-side with internationally known faculty researchers and are encouraged to start their research early. All of the science disciplines use state-of-the-art, federally funded facilities which house an unusually broad range of advanced instruments. Graduate students receive full financial support in the form of graduate assistantships, which include stipend, full tuition waiver, and subsidized health insurance benefits. Active collaborations exist among all of the science programs, creating unique research opportunities for graduate students. In addition to academic excellence, the University offers easy access to intellectual, cultural, and recreational opportunities of the greater Cleveland Metropolitan area.

**Biological Sciences** – The Department of Biological Sciences offers graduate programs in a variety of research areas, including aquatic ecology; evolutionary, population, and systematic biology; neurobiology and behavior; cell and molecular biology; and reproductive biology. The department offers customized curricula tailored to the needs of the individual student. Students have access to superior core facilities including those for advanced imaging and visualization, genomics, and proteomics, as well as numerous field sites for ecology and conservation biology. Faculty also mentor students in the School of Biomedical Sciences.

**Biomedical Sciences** – The School of Biomedical Sciences is an interdisciplinary, inter-institutional graduate program offering degrees in Cellular and Molecular Biology, Neurosciences, Biological Anthropology, Pharmacology and Physiology. Students choose advisors from graduate faculties located at Kent State University, the Cleveland Clinic, Northeast Ohio Universities Colleges of Medicine and Pharmacy and pursue study in virtually all areas of biomedical research, including cancer, multiple sclerosis, human evolution, circadian rhythms, stroke, atherosclerosis and heart disease.

**Chemistry** – The Chemistry Department offers degrees in all traditional and many interdisciplinary areas of chemistry including biomedical research. A partial listing of research areas includes drug delivery, molecular basis of disease, integration of signaling pathways, cellular control systems, fluorescent bioprobes, biomembranes, fuel cells, atmospheric chemistry, mesoporous materials, NMR imaging, and liquid crystals using experimental methods like mass spectrometry, NMR spectroscopy, IR spectroscopy, X-ray crystallography, advanced fluorescence techniques, single molecule techniques, proteomics, and surface and adsorption analysis.

**Chemical Physics** – The Chemical Physics Interdisciplinary Program is housed in the Liquid Crystal Institute (LCI), the world’s largest and most comprehensive research, technology transfer, and education center in the field of liquid crystal science. A background in physics, chemistry, engineering, materials science, or mathematics will prepare students for graduate study in this highly interdisciplinary field. LCI maintains one of the largest academic clean-room facilities in the nation and the physics, optics, chemistry and characterization research laboratories are equipped for studying every aspect of liquid crystal materials. Alumni work at companies such as 3M, Apple, Motorola, and Samsung; pursue careers in academia or government laboratories; or start companies of their own as entrepreneurs.

**Computer Science** – The Department of Computer Science provides graduate students with the opportunity to acquire a broad foundation of computer science knowledge, in-depth research experience at the frontiers of computer science, and necessary skills for professional development. Faculty and graduate students conduct research in a variety of computer science and interdisciplinary areas. The research infrastructure includes laboratories for multimedia, graphics and visualization, software development, internet engineering, wireless and sensor network development, image processing, and cluster computing, all interconnected via several Gigabit networking equipment.

**Geology** - The Department of Geology offers graduate degrees in Geology and Applied Geology with emphasis placed on research designed to advance the understanding of the geological sciences and to solve societal problems. Research focus areas include Engineering and Environmental Geology, Paleoenvironments and Evolution, Tectonics and Sedimentology and afford numerous opportunities for student involvement in international research collaborations and travel. Alumni work in the government, academic, energy, environmental, and hydrologic sectors.

**Mathematical Sciences** - The Department of Mathematical Sciences offers degrees in pure and applied mathematics, secondary math education, and Financial Engineering in collaboration with the Departments of Finance and Economics. Research areas include functional analysis, operator theory, harmonic analysis, convex geometry, finite groups, character theory, number theory, approximation theory, large scale systems of equations, numerical and scientific computation, probability and stochastic processes. The Department is home to the Banach Center and the Institute for Computational Mathematics.

**Physics** - The Physics Department offers high-caliber students the opportunity to work with faculty having an international reputation for pioneering research in condensed matter physics, liquid crystal science and applications, and in nuclear physics. The Department has a growing effort in biophysics, including computational biophysics, as well as interdisciplinary research in organic semiconductors. More than three-quarters of the faculty have external funding providing the necessary resources for state-of-the-art dissertation projects. The Department has an excellent track record for timely completion of degrees and provides a welcoming and nurturing environment for women and minorities. Alumni receive multiple job offers in the academic, government, and industrial sectors.

**Psychology** - The Department of Psychology offers degrees in clinical and experimental psychology as well as sub-areas such as health psychology and child and family. The clinical program has been accredited by the APA since 1968. The Psychological Clinic provides supervised training for clinical graduate students and offers psychological services to members of the university community and broader community. The Applied Psychology Center (APC) promotes psychological research concerning applied problems by improving student training and enhancing faculty expertise. The Center for the Treatment and Study of Traumatic Stress is a Kent State University - Summa Health Systems partnership that provides research and clinical training on stress and health.
The profession is small but growing. Currently there are around 3,000 genetic counselors in the United States and numbers are growing worldwide. Those who enter the field go through Master’s programs, of which there are 29 in the United States and three in Canada that are accredited by the American Board of Genetic Counseling. Typically those who enter have some sort of biology or psychology undergraduate degree. However, those in nursing, public health, and social work also apply.

At the Genetic Counseling Graduate program at Wayne State University School of Medicine, Detroit, Michigan, where Trepanier is program co-director, students take basic science, medical genetics, and counseling course work. In addition, they perform internships in a variety of clinical settings in which they first shadow and then perform the duties of a professional genetic counselor. Students also do a clinical research project based on some aspect of the career. Graduates, most of whom sit for a national certification examination, go on to various areas including clinical care, public health, industry, and nonprofit organizations.

Although genetic counseling first started with the detection of birth defects in prenatal and pediatric patients, “the profession has blossomed and grown,” says Trepanier. Cancer genetics became a specialty in the 1990s, and now cardiovascular and psychiatric diseases are up-and-coming focuses.

“People who go into it tend to be into lifelong learning since the field is constantly changing,” she says. Yet, says Trepanier, one can achieve work and life balance. “There’s time to be a genetic counselor and still have a life.”

For those who are interested, she suggests contacting and shadowing a genetic counselor for a day. She also advises getting some advocacy and counseling experience so prospective applicants can see whether they can work with people who are in crisis. Alternatively she advises contacting any of the graduate programs. “We want to talk to potential students. We’re as interested in them as they are in us,” she says.

Before entering the program, Tiara Johnson interned at a genetic counseling clinic and found her calling. “I really love the program. I’ve learned so much in such a short amount of time,” says Johnson, now a second-year student. “Just knowing I could get done in another two years and be able to start a career that is highly recognized and respectable has meant a lot to me.”

Like Johnson, recent graduate Jacqueline Gauthier feels secure in the future of her profession. “Genetics is very cutting edge and is going to change the face of medicine as we know it,” says Gauthier, who now works at the Genetics Department at the University of Alabama-Birmingham and specializes in cancer and prenatal genetic counseling. “The positions are growing. Ten years from now, I don’t have to make a total career shift.”

A Scientist for All Seasons

Tony Yuan was at a career fork when he graduated from the University of Texas at Dallas with a biology B.S. He didn’t know whether he should go on to medical school or work toward a Ph.D. When he received an e-mail about a Master’s program at Northwestern University, he jumped at the chance. “I didn’t want to spend that much time for a Ph.D. This program gives you a feel if you’re a bench scientist or not.”

The Master of Biotechnology program at Northwestern is a 15-month curriculum that stresses the interdisciplinary nature of the biotechnology industry and cross-trains former biology and engineering majors in each respective field for careers in the biotechnology or pharmaceutical industries. “Upon completion, these students are able to communicate across disciplines and are prepared for a wide variety of positions,” assures program director William Miller.

The rigorous program combines coursework in bioprocess engineering and seminar classes in the ethical, legal, regulatory, communication, and business aspects of the biotechnology industry with over a thousand hours of research. In lieu of a thesis, written and oral research reports are required.

While the majority of course graduates go on to biotechnology and pharmaceutical industry companies such as Bristol-Myers Squibb, Amgen, Merck and Company, and Pfizer, about a quarter pursue further graduate education.

“The program gives you a gateway into industry,” says recent alum Kavi Mehta, who now works in cell culture process development at Pfizer. “My earning potential went up almost three times and I’m working on more advanced projects.”

Upon completing Northwestern’s program, Kanika Bhatia discovered something about herself. “I’m not a sitting-in-the-lab type of person. I like my research a bit faster,” she says. More interested in qualitative and regulatory research, she is now enrolled in the Quality Leadership Program at GE Healthcare, where she does rotations in these respective fields. She suggests that students who are not so sure about research “really think about what they want to do. Your heart has to be 100 percent in it.”

Yuan concurs. “Look at all the options—especially if you’re looking to get a Ph.D. or go on to medical school. There is not just one road you can take.”

Jacqueline Ruttimann is a scientist turned freelance writer living in Chevy Chase, Maryland.

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Three positions of Physical Scientist, Biological Scientist, and Chemical Engineer are available within the Bureau of Verification, Compliance, and Implementation (VCI) to Foster Fellows in 2009-2010. The candidates selected under this program will have an opportunity for active participation in the arms control, nonproliferation, and disarmament activities of the Department of State and to enable the Department to gain the perspective and expertise such persons can offer.

The Department of State reimburses institutions of Foster Fellows for their salary and benefits, and Foster Fellows receive travel reimbursement and a per diem allowance (subject to some restrictions).

For complete information about the program and positions, see http://www.state.gov/vf. To apply, please send a letter describing your perspective and expertise, a CV, three letters of reference, and two published articles to: Thomas J. Yehl, VCI/TA, U.S. Dept. of State, Washington, DC 20520. Receipt deadline is September 30, 2008. Applicants must be U.S. citizens and will be subject to a security background investigation in the event of their selection for the program. Contact Ms. Annette Day at 202-647-4153 for more detailed information.

The United States Department of State
Washington, DC

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The Department of State reimburses institutions of Foster Fellows for their salary and benefits, and Foster Fellows receive travel reimbursement and a per diem allowance (subject to some restrictions).

For complete information about the program and positions, see http://www.state.gov/vf. To apply, please send a letter describing your perspective and expertise, a CV, three letters of reference, and two published articles to: Thomas J. Yehl, VCI/TA, U.S. Dept. of State, Washington, DC 20520. Receipt deadline is September 30, 2008. Applicants must be U.S. citizens and will be subject to a security background investigation in the event of their selection for the program. Contact Ms. Annette Day at 202-647-4153 for more detailed information.
The Division of Cancer Treatment and Diagnosis (DCTD) is seeking a scientist who can provide expert advice and assistance to the Division Director through management of division level scientific initiatives and projects including drug development and clinical trials. The position is located in the Office of the Director, Division of Cancer Treatment and Diagnosis (DCTD), National Cancer Institute (NCI). DCTD is the component of the NCI that is responsible for coordination of a national program for the treatment and diagnosis of Cancer. Recent emphasis within DCTD is on merging the efforts of the intramural and extramural research communities, particularly with regard to drug and diagnostics development and clinical trials. The successful candidate will provide expert advice and assistance to the Director, DCTD; in carrying out these efforts through the management of ongoing and new Division level initiatives, including the implementation of the Clinical Trials Working Group (CTWG) and the Translational Research working Group (TRWG) Reports. More specifically, the candidate will serve as a senior advisor to the Director, DCTD on a broad spectrum of organizational, managerial, scientific, and programmatic projects and initiatives spanning the whole of the DCTD. The Office of the Director is charged with planning, directing, and coordinating the Division’s short and long range research activities in the diagnosis and treatment of cancer supported by grants, contracts, and cooperative agreements with universities, private industry, and other federal agencies. The work involves participating with the Director, DCTD, and senior staff in long range strategic planning and implementation of NCI’s efforts to reduce the burden of cancer. The successful candidate will be working closely with NCI leadership and other senior institute staff to develop overall program direction, strategic planning and identifying opportunities and gaps in research and clinical efforts. The objectives of these activities are to discover and develop more effective treatments and more accurate diagnostic approaches for the spectrum of human cancers and maintaining control of cancer in patients not cured. The candidate will be responsible for providing scientific expertise in planning efforts to enhance and enable collaborations established to increase efforts to merge the intramural and extramural research communities, and research activities across NCI Divisions.

Candidates must meet all of the following requirements: Ph.D. or an equivalent degree, United States citizenship, To apply for this position, please visit: [http://job-search.usajobs.opm.gov/a9nih.asp](http://job-search.usajobs.opm.gov/a9nih.asp) and keyword search for Vacancy Announcement (VA), NCI-08-280041-DE (outside government) or NCI-08-280041-MP (internal government) for all the mandatory application requirements. For questions about applying to the VA, please contact Mary Lou Weathers, Human Resources Specialist on (301) 402-5059 or weatherr@mail.nih.gov.

Salary will be commensurate with training and experience. For more information about the position, please contact Mary Lou Weathers at 301-402-5059.

**APPLICATIONS MUST BE RECEIVED BY SEPTEMBER 16, 2008.**

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The Office of Technology and Industrial Relations (OTIR) of the National Cancer Institute (NCI), National Institutes of Health (NIH), Department of Health and Human Services (DHHS), invites applications for a Cancer Proteomics Technology Projects Manager, GS-401/601-14. OTIR is currently coordinating a program and research activities of the NCI Clinical Proteomic Technologies for Cancer initiative (CPTC) - a large multidisciplinary initiative of $104M to assess and apply proteomic technologies and data resources to solve mission-critical problems in cancer research.

The successful candidate will serve as a Cancer Proteomics Technology Projects Manager assisting in efforts that lead the coordination and execution of large-scale proteomic projects encompassing mass spectrometry, including the development of reagents and performance metrics that will enable them to ultimately be applied successfully to the discovery of biomarkers in clinical populations. This is a key management position for providing leadership, management, and oversight of a wide range of projects within the CPTC. The individual selected for this position will be conversant with a range of biomedical and mass spectrometry technology areas and have demonstrated research track record in biotechnology and/or proteomics with an existing publication record. Candidate needs to have proven experience in managing research programs and ability to assess technological ‘big picture’. Excellent communication skills are required; having industrial experience is a plus. A Ph.D. or M.D. in analytical/clinical chemistry, chemical or biological sciences is desired, with extensive experience in mass spectrometry proteomics applications.

Salary is commensurate with experience and a full Civil Service package of benefits (including retirement, health, life and long-term care insurance, Thrift Savings Plan participation, etc.) is available. The NCI vacancy announcement for these positions contains complete application procedures and lists all mandatory information which you must submit with your application. To obtain the vacancy announcements for this position, see announcement number NCI-08-282247-DE at [http://usajobs.opm.gov/](http://usajobs.opm.gov/). This position is subject to a background investigation. Applications must be received by September 17, 2008.
Manager - Diagnostic Services
Livestock Industries, Geelong
$86K - $115K plus Superannuation
Ref. No. 2008/847
The Australian Animal Health Laboratory (AAHL) seeks to appoint a Diagnostic Services Manager to its Diagnosis Surveillance and Response Group. The position requires an experienced diagnostic virologist with excellent interpersonal, team building, client relationship and managerial skills. This person must have detailed scientific knowledge of the science underpinning laboratory diagnostic tests and must also have a high level of understanding of the importance of and management of certified and accredited laboratory quality assurance programs.

The appointee will report to the Diagnosis Surveillance and Response Theme Leader. The suitable candidate will hold a doctoral degree in virology, immunology or molecular biology, or demonstrate equivalent experience. Preference may be given to a veterinarian with a degree registrable in Australia, but scientists with experience in medical diagnostic virology laboratories are also encouraged to apply.

Aboriginal and Torres Strait Islanders are encouraged to apply for all CSIRO positions.

For selection documentation and details on how to apply visit www.csiro.au/careers or call 1300 301 509.

Assistant or Associate Professor
Immunology – Wistar Vaccine Center

The Wistar Institute is an independent, nonprofit biomedical research institution dedicated to discovering the causes and cures for major diseases.

The selected candidate will develop an independent, extramurally-funded research program in immunology. Areas of interest include, but are not limited to, tumor or viral immunology encompassing basic and translational research. Special consideration will be given to individuals with an interest in lymphocyte migration and expertise in in vivo imaging technologies, including 2-photon microscopy or an interest in vaccine development, especially vaccines for HCV and new vaccine delivery methods.

Doctoral degree or equivalent required. Direct questions to Search Committee Chair, H.C.J. Ertl, M.D. (ertl@wistar.org).

Applications will be reviewed as received and accepted until the position is filled. To ensure timely consideration, applicants should submit an application before September 15, 2008. The application should include: a curriculum vitae, a brief summary of past and future research interests, a history of research funding support (if applicable), and the names of three or more references. Applications should be sent by e-mail to colelli@wistar.org, to Maria Colelli, The Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104. EOE/AA/M/F/D/V.

The University of Rochester is seeking:

FACULTY MEMBER – IMMUNOLOGY

The David H. Smith Center for Vaccine Biology and Immunology in the University of Rochester Medical Center is recruiting tenure-track or tenured Faculty at the Assistant, Associate or Full Professor level. Excellence is our main criterion. Innovative research in all aspects of Immunology will be considered. The Center (www.urmc.rochester.edu/Aab/CVBI) is highly interactive and has particular interest in building research related to innate immune responses, vaccines, and visualization of immune responses in vivo. We seek an energetic scientist whose research synergizes with research areas of current Center members and whose research has the potential to build upon current strengths in Immunology at the URMC. Excellent laboratory space will be available in the Kornberg Medical Research Building, adjacent to other Center Faculty. An academic appointment at the appropriate rank will be offered in a suitable department.

We invite all qualified investigators to apply by sending a CV and a 1-2 page summary of research interests to:

Dr. Deborah J. Fowell
Chair, Search Committee
David H. Smith Center for Vaccine Biology and Immunology
University of Rochester
601 Elmwood Avenue
Rochester, NY 14642, USA
deborah_fowell@urmc.rochester.edu

All applications will be held in confidence.

THE UNIVERSITY OF ROCHESTER IS AN EQUAL OPPORTUNITY EMPLOYER.

MSU-DOE PLANT RESEARCH LABORATORY
East Lansing, MI 48824
http://www.prl.msu.edu

Faculty Position in Plant Biology

The MSU-DOE Plant Research Laboratory (PRL) has a twelve-month tenure-track faculty position available at the Assistant Professor level. We seek to identify individuals who investigate fundamental questions in plant biology relevant to energy flow in the continuum between photon capture and the deposition of energy-rich molecules. Examples of such research would include topics such as mechanisms of light harvesting, fixation of carbon dioxide, regulatory network analysis of genes, proteins and metabolites involved in basic plant processes, and computational approaches to model biological networks.

The PRL, with core funding from the U.S. Department of Energy, provides an excellent environment for creative research in plant biology. Michigan State University has a history of exceptional breadth and depth in the plant sciences and provides a stimulating atmosphere with excellent colleagues and facilities. PRL faculty members are jointly appointed in an appropriate academic department and are full members of the MSU tenure-stream faculty.

Applicants should have postdoctoral research experience with demonstrated productivity and evidence of potential for independent research. To assure consideration, applications should be submitted electronically to prlsrch@msu.edu by October 1, 2008. Applications should include curriculum vitae, a summary of research accomplishments, and a brief description of future plans. Candidates should also arrange to have three letters of reference submitted. Questions regarding this position should be directed to prlsrch@msu.edu.

Michigan State University is an Affirmative Action, Equal Opportunity Employer. MSU 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.
BECAUSE
Our CAUSE is Mike and his cancer.

For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using human genetic information to develop novel medicines for serious and life-threatening diseases. Today, Genentech is among the world’s leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions.

In addition to continuing our work in protein-based therapeutics, we recognize that our battle against cancer must also include striking targets within the interior of the cell using small molecules. Our Research and Development organization is highly committed to continuing to expand our Small Molecule Drug Discovery and Development departments as part of Genentech’s effort to build on its leadership position in the Oncology, Inflammation and CNS areas. We are seeking highly qualified, team-oriented researchers with extensive experience in small molecule drug discovery to fill both associate and senior-level positions in all Small Molecule departments.

To learn more about our current opportunities, please visit careers.gene.com and reference the Requisition #. Use “Ad-Science” when a “source” is requested. Genentech is an equal opportunity employer.

The following opportunities exist in our South San Francisco, CA, headquarters:

Biochemical Pharmacology/Early Leads:
- Early Leads/HTS/Compound Management
  - Senior Systems Specialists, Req. #s 1000019399, 1000024094, 1000024095
  - Research Associate/Senior Research Associate, Req. #s 1000021729, 1000022977

Biochemical Pharmacology
- Research Associate/Senior Research Associate, Req. #s 1000023622, 1000023602, 1000024101
- Biacore – Research Associate/Senior Research Associate, Req. #1000023843

Medicinal Chemistry:
- Senior Scientists, Req. #s 1000023649, 1000022028
- Scientists, Req. #s 1000023417, 1000024086
- Research Associates/Senior Research Associates, Req. #s 1000022461, 1000023603, 1000023605, 1000024087
- Computational Chemistry – Senior Scientist, Req. #1000021442

Pharmaceutical Sciences:
Analytical Development
- Senior Scientist, Req. #1000021637
- Scientist, Req. #1000024102
- Research Associates, Req. #s 1000023667, 1000024024, 1000024025

Formulation
- Scientist/Senior Scientist, Req. #1000017275
- Senior Research Associate, Req. #1000023609
- Research Associate, Req. #1000023701

Process Chemistry
- Associate Director/Head, Req. #1000023115
- Senior Scientist, Req. #1000022236
- Senior Research Associate, Req. #1000024073

DMPK:
- Drug Permeability & Transport – Senior Research Associate, Req. #1000020035
- In Vitro Metabolism – Research Associates, Req. #s 1000024055, 1000024079

Nonclinical DMPK Project Support
- Senior Scientist, Req. #1000020053
- Associate Scientist, Req. #100002072

Biology:
- Structural Biology – Senior Scientist/Scientist, Req. #s 1000021966, 1000023913
- Immunology – Senior Research Associate, Req. #1000023836
- In Vivo Pharmacology – Senior Scientist, Req. #1000023764
- In Vivo Pharmacology – Senior Research Associate/Research Associate, Req. #s 1000023967, 1000023763
The German Cancer Research Center (DKFZ) in Heidelberg invites applications for a Post-doctoral position (Ref no. 142/2008)

**Description**
- TT viruses represent a newly discovered remarkably heterogeneous virus family of small single-stranded DNA viruses widely spread in all human populations. We have recently identified TT-related sequences in samples and cell lines from Hodgkin lymphomas and leukemias. Present research focuses on investigating different mechanisms through which TT viruses may be involved in the pathogenesis of these diseases.
- A second position is open for studies on human pathogenic polyomaviruses. Three novel types have been identified during the past two years and other still unidentified types may exist. The research will focus on the isolation of novel types and their potential role in human cancers.

**Job profile**
- Candidates should have extensive experience in molecular biology, cell biology and protein biochemistry and should be able to pursue an independent research project.

The position is available as soon as possible and is limited to 3 years.

The German Cancer Research Center is committed to increase the representation of women in science and encourages applications from qualified female scientists.

Persons with disabilities will be given preference among equally qualified candidates.

Please send your application to:

Deutsches Krebsforschungszentrum
Personal- und Sozialwesen
Im Neuenheimer Feld 280
69120 Heidelberg

or apply online: www.dkfz.de

### Faculty Positions in the Division of Molecular Cardiology

**Department of Medicine**

Several tenure-track, State of Texas funded positions 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.

### Evolutionary Biologist/Avian Systematist

**University of Wyoming**

The Department of Zoology and Physiology at the University of Wyoming invites applications for a full-time, nine-month, tenure-track FACULTY POSITION at open rank, starting August 2010. We seek a curator and evolutionary biologist, with a proven track record in avian biology and curation of museum collections. The main responsibilities include research, teaching in the University’s biology program, outreach, and curation of the Department’s research and teaching collection within the recently endowed Robert and Carol Berry Center for Natural History and Conservation. The successful candidate will have a Ph.D. and evidence of research productivity. Departmental research strengths include ecology, wildlife/behaviors biology, comparative physiology, cell biology/physiology and neuroscience. The department has access to outstanding microscopy, macromolecular and nucleic acid facilities, and the Red Buttes Environmental Research Laboratory. The Center will provide exceptional additional resources for research, outreach, and conservation. Interested applicants should send a curriculum vitae, a statement of research and teaching interests, three publications that represent their best work, and three letters of recommendation to: Evolutionary Biologist/Avian Systematist Search Committee, Dept of Zoology and Physiology, Dept 3166, 1000 E University Avenue, Laramie, WY 82071. Fax: 307-766-5625. Email: ZPRequest@uwyo.edu Website: http://uwyo.edu/Zoology. Review of applications will begin 1 October 2008.

The University of Wyoming is an AA/EEO Employer.
Millennium Pharmaceuticals, The Takeda Oncology Company, is focused on developing breakthrough treatments in the areas of oncology and inflammation that make a real difference in patient’s lives. We encourage innovation and seek results through collaboration. If you’re looking for a dynamic environment where respect and excellence are core values, discover the possibilities for your career at www.millennium.com.

Millennium has openings in the following areas:

- Biostatistics
- Clinical Pharmacology
- Regulatory Affairs
- Clinical Operations
- Data Management
- Formulations
- Drug Safety
- DMPK
- Pharmacovigilance
- Medical Directors
- Development Project Management
- Commercial Quality
- Commercial Law
- Investigational Quality Assurance
- Information Systems
- Marketing
- Market Research

We are an equal opportunity employer committed to discovering the individual in everyone.

To apply: Go to www.jobsatUQ.net to obtain a copy of the position description and application process. Applications may be lodged in electronic or hard copy form. UQ is an equal opportunity employer.
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We've got Careers down to a Science.

Science Careers is the “go to” career site for job opportunities in the science industry. From job postings, employer profiles, and a resume database to grant information and a careers forum, Science Careers really does have it all. And best of all, everything is free! Log on to sciencecareers.org today and find out why we’re different.

University of Pittsburgh
School of Medicine
Protein Misfolding and Neurodegeneration

Positions are available immediately in the laboratory of Ronald Wetzel for molecular and cellular studies of protein misfolding, aggregation and toxicity in Alzheimer’s disease (AD) and Huntington’s disease (HD).

Postdoctoral positions are available for studies in analysis of peptide conformation, detailed aggregation mechanisms, structures and activities of prefibrillar aggregates, amyloid polymorphism, identification and analysis of aggregation inhibitors, and cellular mechanisms of toxicity in AD and HD. Techniques include advanced fluorescence methods in cells and in solution, MS-monitored H/D exchange, FTIR, CD, EM, cytotoxicity analysis and other methods. There is also strong potential for collaborative projects in solution and solid phase NMR, X-ray crystallography, cryo-EM, single molecule methods and computer simulations. Candidates with a PhD and experience in protein chemistry, biophysics and/or cell biology are encouraged to apply.

A research technician position in cell biology is also available. Responsibilities include maintaining the group’s cell culture facility and conducting research. Experience required: MS in an appropriate discipline or BS with at least two years experience. PittSource position number: 0126075.

Also available, a research technician position in analytical protein chemistry. Responsibilities include maintaining instrumentation - including HPLC, MS, FTIR, and fluorescence spectrometers - within the research group and conducting research. Experience required: MS in an appropriate discipline or BS with at least two years experience. PittSource position number: 0126076.

The University of Pittsburgh borders parks, residential neighborhoods, and Carnegie Mellon University in metropolitan Pittsburgh. Visit these websites for information on: the Wetzel lab (http://www.structbio.pitt.edu/webusers/wetzel/), the Structural Biology Department (http://www.structbio.pitt.edu/drupal-5/), and the Pittsburgh Institute for Neurodegenerative Diseases (http://web.mac.com/tgreenamyre/PIND/Home.html). Visit PittSource (http://www.hr.pitt.edu/employment/default.htm) for full research technician job descriptions. Apply to: Dean Duncan, Dept. of Structural Biology, Rm 1050 BST3, 3501 Fifth Avenue, Pittsburgh PA 15260.

The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer.

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ScienceCareers.org
The Center for Tropical Marine Ecology (ZMT) in Bremen has been recently elected member of the prestigious Leibniz Association, which is supported by the German Federal and State Governments. Through its research, ZMT contributes to developing science-based strategies for sustainable use of tropical coastal systems. As a part of its efforts to strengthen and expand its research capabilities, ZMT is searching to fill two new professorships in cooperation with Jacobs University Bremen in:

**Ecological Modeling**

*Scenario Development and Risk Assessment*

We seek candidates with a record of excellence in mathematical modeling and simulation of the dynamics of ecological processes, populations, and ecosystems. The successful candidate will work with an interdisciplinary group of researchers to develop concepts and management scenarios for resource utilization and risk assessment on the basis of quantitative simulation. Experience in research on modeling aquatic systems will be an asset.

**Social Sciences**

*Social Systems and Ecological Economics*

We seek candidates with a record of excellence in research on the dynamics and resilience of complex social systems including their driving forces, associated risks, costs and benefits. The successful candidate will work with an interdisciplinary group of researchers to explore the social and economic dimensions of global change. Experience in research on tropical coastal systems will be an asset.

Candidates for both positions are expected to have a Ph.D. in a relevant field and a proven record of research and teaching. The successful candidate will develop the respective research area at the ZMT in accordance with its focus on tropical coastal systems. Both positions involve teaching at Jacobs University Bremen; the language of instruction is English.

ZMT is embedded in Bremen’s vibrant marine research environment including the University of Bremen, Jacobs University, MARUM Center for Marine Environmental Research, Alfred-Wegener-Institute for Polar and Marine Research and the Max-Planck Institute for Marine Microbiology.

Salary and rank will be commensurate with qualification and experience. Adequate support in the form of personnel and infrastructure will be available.

The ZMT and Jacobs University are equal opportunity employers and Jacobs University is certified “Family Friendly” by the Hertie Foundation.

Please send a letter of application, curriculum vitae including a brief statement of research and teaching interest, and the names and addresses of three referees no later than September 30, 2008 to the following address:

The Director  
Zentrum für Marine Tropenökologie  
Fahrenheitstr. 6  
28359 Bremen  
Germany  
e-mail: zmtsekr@zmt-bremen.de  
www.zmt-bremen.de & www.jacobs-university.de
As the industry leader, Science Careers has all the tools to guide you through the next steps of your career path. Search jobs, post your resume, sign up for automatic job alerts, and seek advice in the careers forum all for free! With more than 3,000 job opportunities from more than 500 top employers, Science Careers is proud to be No. 1. Log on to www.ScienceCareers.org and inject some life into your job search today.
DEPARTMENT OF LABORATORY MEDICINE AND PATHOBIOLOGY

ACADEMIC POSITION IN BIOMEDICAL RESEARCH

The Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto (www.lmp.facmed.utoronto.ca) is seeking applicants for one full-time faculty position either a tenure-stream or non-tenure at the rank of Assistant Professor available February 1, 2009. The position comes with a faculty salary, commensurate with the applicant’s experience and training. The successful applicant will be provided with a start-up package and space to establish a strong independent research program. We are particularly interested in individuals working in the areas of molecular and biochemical mechanisms of human disease. Research strengths include cardiovascular, cancer and matrix pathology.

Candidates must have an MD or a PhD degree or equivalent, have completed significant postdoctoral training, and have an established track record of high quality innovative research. Exceptional candidates with established funded research programs and a rank of Associate or Full Professor may be considered as well. Teaching experience at the undergraduate and graduate levels is an asset.

The successful candidate is expected to participate actively in graduate and undergraduate teaching programs, maintain a well-funded, independent research program and interact with other investigators on the University campus and at the major affiliated teaching hospitals. The University of Toronto is the fourth largest research entity in North America with a large vibrant community of investigators carrying out excellent innovative research on the pathogenesis of human disease. The interaction of basic scientists with clinicians at the teaching hospitals provides for outstanding opportunities for transformative research.

Applicants should submit a hard copy of curriculum vitae, description of their research accomplishments, the focus of their planned research program and the names of three referees by November 30th, 2008 or until the position is filled, to the

Chair, Academic Search Committee
Department of Laboratory Medicine and Pathobiology
Faculty of Medicine
University of Toronto
Room 110
100 College Street
Toronto, Ontario, Canada, M5G 1L5

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply. However, Canadians and permanent residents will be given priority.

New Department Announcement
Integrative Biology and Physiology
Tenure-track Positions in Cardiovascular Research

Announcing a major research initiative centering on the new Department of Integrative Biology and Physiology at the University of Minnesota Medical School, Twin Cities, with the recruitment of Joseph M. Metzger, PhD as Head. The Department has launched a major recruiting initiative focused on the cardiovascular sciences to build upon existing strengths, including those of Drs. John Osborn and Doris Taylor. We seek outstanding faculty candidates in integrative systems biology of the cardiovascular system open to all ranks (Assistant, Associate, Full Professor). The Medical School has committed significant new resources to build excellence in cardiovascular biomedical sciences, the most dramatic being recent funding for the new Lillehei Heart Research Building on campus (http://www.alumni.umn.edu/Minnesota_Biomedical_Research_Program.html).

Successful candidates will have an innovative and exciting research program that embraces biological complexity from molecular building blocks to the living organism with a focus on cardiovascular biology in health and disease. Areas of interest are basic science directed at inherited and acquired cardiovascular diseases including atherosclerosis, hypertension, coronary artery disease, arrhythmias, cardiac hypertrophy, myocardial ischemia, heart metabolism/energetics, heart failure and diabetes/obesity/metabolism. Applications include gene and stem cell based discovery and therapeutics for cardiovascular performance and repair. Programs should feature a strong molecular/cellular/genetic component with major emphasis on organ and whole animal function, including imaging and state-of-the-art physiological analysis. Research programs in integrative biology and systems biology utilizing mathematical modeling and computational approaches are also sought. A commitment to excellence in teaching is essential. Minimum requirements are a PhD, MD or MD/PhD with three or more years postdoctoral training. Senior faculty candidates must have a strong record of outstanding publications and a significant record of NIH funding. These leaders will play key roles in the future recruitment and development of the Department. Applicants should apply on-line (http://employment.umn.edu – requisition number 156389) and include a curriculum vitae, summary of research accomplishments and future research and grant plans (no more than three pages), and arrange for three letters of reference to be sent to: IBP Faculty Search Committee, Department of Integrative Biology and Physiology, University of Minnesota, 6-125 Jackson Hall, 321 Church Street SE, Minneapolis, MN 55455.

The University of Minnesota is an Equal Opportunity Educator and Employer.
We’ve got Careers down to a Science.

With thousands of job postings from 9 out of 10 top employers, Science Careers connects you to exceptional career opportunities across the globe. We know the industry and have the resources to prove it. Whether your path is R&D, tenure track, bioprocessing, or lab management, Science Careers is dedicated to matching qualified scientists with the industry’s top employers. Drop by www.ScienceCareers.org and begin searching jobs today.
The American Cancer Society announces this Request for Applications for the American Cancer Society MEN2 Thyroid Cancer Consortium. Up to seven (7) Research Scholar and/or Mentored Research Scholar grants and up to five (5) Postdoctoral Fellow grants will be awarded. The Consortium will be led by a single renowned senior scientist who will be awarded the American Cancer Society MEN2 Thyroid Cancer Professorship and act as leader for the overall program (details at links below). Appropriate areas of investigation include, but are not limited to: understanding consequences of RET mutations, molecular events underlying the development of MEN2-related tumors, improved animal models of MEN2, new screening and monitoring tools, new imaging approaches, and new pharmacologic and other strategies to blunt the effects of RET mutations.

Individuals applying for a Research Scholar Grant must have an independent research or faculty position and be within six years of their first independent research or faculty appointment at the time of application. These grants will be awarded for up to $200,000 a year, direct costs, for 5 years. Mentored Research Scholar Grants will be awarded to junior faculty members with a doctoral degree in a clinical or cancer control research discipline (e.g., M.D., and/or Ph.D.) that are within the first four years of a full time faculty appointment or equivalent, and have no more than 4 years of postdoctoral research experience immediately prior to their faculty appointment. The successful applicant is expected to transition into a career as an independent investigator. Awards are for up to five years and for up to $135,000 per year direct costs.

Applicants for Postdoctoral Fellowships must have obtained their doctoral degree prior to activation of the fellowship. Awards are for three years with progressive stipends of $40,000, $42,000, and $44,000 per year, plus a $4,000 per year institutional allowance. Individuals who have held a PhD or MD for more than 4 years at the time of application are not eligible.

Deadline: Complete applications are due by October 15, 2008. Funding will begin July 1, 2009. For information regarding funding policies or to obtain an application, go to https://proposalccentral.altum.com or refer to the ACS website at www.cancer.org/research: select Funding Opportunities followed by Index of Grants, scroll down to Special Initiatives and select the appropriate RFA for MEN2 Thyroid Cancer. For inquiries, contact Charles Saxe, PhD at (404) 929-6919 (Charles.Saxe@cancer.org).

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NATIONAL CENTRE FOR CELL SCIENCE
(An autonomous Institution of the Department of Biotechnology, Government of India)

Advertisement No. Admn/04/2008

NCCS is devoted to research and development in Modern Biology and Biotechnology. The Centre is looking for various outstanding Scientists in areas of Stem Cells / Regenerative Biology, Neurobiology and Developmental Biology. Candidates should be Ist Class MTech / MD / MVSc / MPharm / MBiotech or PhD / Corresponding degrees in other disciplines with original work as evidenced by patents and / or publications. Evidence of leadership with about 8 years experience in Research & Development and a proven excellent track record of independent research will be preferred. Applicant should be an Indian citizen. For details please see our Advertisement No. Admn/03A/2008 on the website. Applicant should send a CV mentioning a summary of research work carried out, description of future plans and goals with two letters of reference to:

The Director, National Centre for Cell Science, NCCS Complex, Ganeshkhind, Pune – 411 007 Maharashtra, India.

Tel. No. : 91-020-25691065
Fax No. : 91-020-25692259
Email : gc Mishra@ncs.res.in
Website : www.ncs.res.in

The complete C. V. should reach us within one month of appearance of this advertisement.

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Advanced Training Course on Epigenetic Regulation and Plant Development

December 1-9, 2008, in Irapuato, Mexico

National Laboratory of Genomics for Biodiversity – Langbio CINVESTAV Campus Guanajuato

Applications are invited from prospective students at the Ph.D., postdoctoral, or beginning investigator levels: http://www.hhmi.org/langebio/

This intensive theoretical and practical course, given by international and local investigators, will provide an overview of epigenetic regulation and its emerging importance for the understanding of plant development. It will emphasize recent results from model species, providing a contemporary update in current methods used to study the structure, function, and evolution of the plant epigenome. The following topics will be included: chromatin structure and its characterization, small regulatory RNAs and their function, methylation and histone dynamics, the role of telomeres and telomerases, paramutation, parent-of-origin effects and early seed development, and function and evolution of transposable elements. Practical instruction will take place within the new teaching laboratory facilities of Langebio. All activities will be conducted in English.

Application deadline: October 1, 2008
More information: www.hhmi.org/grants/courses

Sponsor: Howard Hughes Medical Institute
FACULTY POSITION
Pharmacology-Neuroscience
The C.V. Starr Laboratory in the Department of Anesthesiology of the Well Cornell Medical College in New York City invites applications for a full-time, tenured-track faculty position for scientists or physician-scientists with research interests in pharmacology and/or neurosciences. Appointment to the rank of ASSISTANT, ASSOCIATE, or FULL PROFESSOR will be considered depending on qualifications. A joint appointment in an appropriate basic science department will be offered. The research area is broadly defined to include structural, biochemical, neurophysiological, cellular biological, and molecular physiological approaches to fundamental problems of relevance to anesthesia including, but not limited to, synaptic transmission and plasticity, neuronal networks, ion channel physiology, pain, and mechanisms of anesthesia. Applicants should forward electronic versions of: (1) a letter of support; (2) curriculum vitae; (3) an overview of current and future research interests; and (4) the names and contact information of at least three references to: e-mail: neuropharmacology-search@med.cornell.edu. Applications will be considered until the position(s) are filled. Equal Opportunity Employer/Minorities/Females/Persons with Disabilities/Veterans.

DIRECTOR
Bard Center for Environmental Policy
Bard College

The Bard Center for Environmental Policy is seeking a Director who will provide dynamic intellectual and administrative leadership for the Center and its graduate program. The Center offers an M.S. degree and engages the community on regional, national, and international environmental policy issues. Responsibilities include fundraising and developing collaborations with regional environmental centers, non-government organizations, government agencies, and private sector firms. Ph.D. or terminal degree and distinguished record of scholarship required. Salary is competitive, and benefits are excellent.

Submit a letter of interest, curriculum vitae, and a list of at least three references to: Bard Center for Environmental Policy Search, Human Resources, 9006, Bard College, P.O. Box 5000, Annandale-on-Hudson, NY 12504-5000. Additional information at website: http://www.bard.edu/cep or e-mail: dgs@bard.edu. Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR
Benedictine University

Tenure-track position for Fall 2009 semester. Teach freshman biology sequence and advanced coursework in organizational courses of your choice. Establish and participate in externally funded faculty/student research at the undergraduate level. Startup funds available. Priority given to applications received by September 20, 2008. Position open until filled.

Qualifications: Ph.D. required with research interest (pedagogical research included) involving undergraduate students; teaching and postdoctoral experience is preferred. Must have permanent legal authorization to work in the United States.

Application process: Submit cover letter, curriculum vitae, graduate and undergraduate transcripts, statement of teaching philosophy, and three letters of recommendation (one addressing teaching effectiveness) to: Michelle Mosier, Coordinator, College of Science, Benedictine University, 5700 College Road, Lisle, IL 60532; fax: 630-829-6547. Equal Opportunity Employer.

BI0-ORGANIC CHEMIST
The Williams College Chemistry Department invites applications for a tenure-track position at the ASSISTANT PROFESSOR level for Fall 2009. (Senior appointment possible in exceptional circumstances.) Initial teaching assignment, depending upon the successful candidate’s subspecialty, will include two courses from: sophomore-level organic chemistry, enzyme kinetics and reaction mechanisms, biochemistry, and a course for nonmajors. A semester teaching load involves complete responsibility for one course and two laboratory sections, and supervision of student research projects. Candidates should hold a Ph.D. or have completed their dissertation by September 2009 (postdoctoral experience is preferred). The successful candidate must have a strong commitment both to teaching at the undergraduate level and to developing a productive research program. Williams College is a highly selective, coeducational liberal arts institution of approximately 230 faculty and 2,000 undergraduates, located in northwestern Massachusetts. The Chemistry Department is composed of 12 faculty members, and graduates about 25 to 30 majors each year; the Department has excellent facilities for teaching and research. The College is actively working to increase the diversity of its science majors and seeks an individual who can help us meet these goals. Mail resume, undergraduate and graduate transcripts, descriptions of teaching philosophy, and three letters of recommendation to: Prof. Enrique Peacock-Lopez, Chair, Department of Chemistry, Williams College, Williamstown, MA 01267, by October 4, 2008. Electronic applications will not be accepted. Additional information about the Chemistry Department, please visit our website: http://www.williams.edu/Chemistry. Beyond meeting fully its legal obligations for nondiscrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

FACULTY POSITIONS in BIOLOGY

For fall 2009, the Department of Biology at Hope College, a liberal arts college with a reputation of excellence in the natural and applied sciences, seeks applicants for two tenure-track positions at the ASSISTANT PROFESSOR level to begin August 2009. The successful candidates for each position will have a Ph.D. and be expected to develop vigorous, externally funded research programs with active participation by undergraduate students. (1) A broadly trained PLANT SYSTEMATIST who uses modern techniques to address evolutionary or ecological questions of fundamental significance. (2) A broadly trained CELLULAR or DEVELOPMENTAL BIOLOGIST. Applicants with more extensive teaching experience will be considered at the ASSOCIATE PROFESSOR level for this position. Additional information about the positions can be found on the website: http://www.hope.edu/academic/biology/. Application materials should be submitted prior to October 17, 2008.

POSTDOCTORAL POSITION available to study sphingolipid-mediated signaling in cancer (Cell Cycle 6:522-7, 2007; Trends Mol. Med. 13:210-17, 2007; Proc. Natl. Acad. Sci. 103:17384-9, 2006). Experience with expression arrays, real-time, quantitative PCR, molecular and cell biology, and tissue culture are required. Candidates must hold a Ph.D. or M.D. and either U.S. citizenship or permanent resident status. Please, submit curriculum vitae and three references to: Julie D. Saba, M.D., Ph.D., Scientist and Staff Physician, Children’s Hospital Oakland Research Institute 5700 Martin Luther King Jr. Way Oakland, CA 94609 Telephone: 510-450-7690 E-mail: jsaba@choir.org

POSTDOCTORAL POSITION is available at Indiana University School of Medicine (Indianapolis, Indiana) for a highly motivated ELECTROPHYSIOLOGIST to study cation channel function/properties. Experience in patch-clamp is required; additional experience in molecular biology and biochemistry is preferred. Send curriculum vitae to Alexander G. Obukhov (e-mail: aobukhov@iupui.edu).

RESEARCH ASSOCIATE positions are available in the integrative neuropharmacology laboratory for enthusiastic individuals with postdoctoral training and skills in proteomics, genomics, lipidomics, mass spectrometry, or gene expression analysis in neural tissues. Ongoing projects explore novel models, mechanisms, and molecular targets for addiction and depression. Desirable candidates should have excellent communication and supervisory skills, experience in proposal and manuscript writing, and readiness to work toward transitioning into a tenure-track position after two to three years. Salary offered will be competitive; please e-mail curriculum vitae and names of three references to: Ashiwel Undieh (e-mail: ashiwel.undieh@jefferson.edu), Professor and Chair, Department of Pharmaceutical Sciences, Thomas Jefferson University, 130 S. 9th Street, Philadelphia, PA 19107.

Stop searching for a job; start your career.