VIENA DOCTORAL PROGRAMME ON WATER RESOURCE SYSTEMS

The recently founded Water Research Centre at the Vienna University of Technology announces competition for the Doctoral Programme on Water Resource Systems. This is a dedicated, doctorate program of the Austrian Science Fund (FWF) that promotes doctoral research and education at the highest standards and provides excellent opportunities for cross-disciplinary research in various water related fields including hydrology, hydrogeology, aquatic microbiology, water quality, source management, remote sensing, mechanics of structures, and risk assessment. In the first round, eight Ph.D. student positions are available as well as one Postdoctoral position. The program is anticipated to host a total of 70 doctoral students over a period of 12 years.

Applicants for the Ph.D. student positions must have a Master’s degree (or equivalent) in a discipline related to water resource systems. The Postdoctoral Fellow will particularly focus on the crosscutting themes of the program and assist in coordinating the research. The working language of the program is English.

The program provides a salary according to the FWF scheme, together with a significant allowance for travel and research support. The contracts will be for three years and extension to a fourth year is possible. The preferred starting date of the first round is October 1, 2009.

Candidates should send a letter of application, a statement of research interests, copies of education certificates, and curriculum vitae to: e-mail: office@waterresources.at (PDF format). Application deadline is May 15, 2009. Shortlisted candidates will be invited to a selection seminar. Financial support towards travel expenses is available on request. Information about the Doctoral Programme on Water Resource Systems may be viewed at website: http://waterresources.at. TU Wien is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS IN MOLECULAR AND CELLULAR BIOLOGY

The Wine Research Centre, University of British Columbia, Vancouver, B.C., Canada

Two Postdoctoral positions are available immediately in the Wine Research Centre (website: http://www.landfood.ubc.ca/wine/index.html) for a 24-month appointment with potential for extending employment. These positions are funded by large-scale Genome British Columbia wine genomics grants to characterize fermentation stress response genes in S. cerevisiae. Successful candidates will be responsible for establishing function of each of these 62 genes induced during wine fermentation using a systems biology approach. Outstanding research facilities are available. Salary approximately $50,000 annually, including benefits.

A Ph.D. in molecular and cellular biology is required. Experience in transcriptomics/proteomics/metabolomics will be an asset. Interested candidates should apply with curriculum vitae and names of three references to: Dr. Hennie J. J., van Vuuren, Director, e-mail: hjvv@interchange.ubc.ca.

Two NEUROSCIENCE POSTDOCTORAL RESEARCH TRAINEE POSITIONS ARE AVAILABLE IMMEDIATELY TO WORK ON NIH-FUNDED PROJECTS at the University of Tennessee Health Science Center located in Memphis, Tennessee. One project investigates the neural mechanisms underlying the coordination of oro-facial and respiratory movements in awake and behaving mice. The second project investigates the role of the cerebellum in the modulation of dopamine in the frontal cortex in a mouse model of autism spectrum disorder. Applicants must have a Ph.D. or M.D., and should have expertise in at least one of the following areas: extracellular or intracellular electrophysiology in vivo, neuroanatomical track tracing, cyclic voltagemetry or mouse behavior. Position includes highly competitive salary and interaction with neuroscientists in the Department (website: http://www.utmem.edu/anatomy-neurobiology/). The Lab is set up with state of the art equipment and is embedded in a well-established, collaborative multidisciplinary neuroscience program. Memphis and its suburbs provide very affordable living with excellent schools, parks and year-round outdoor recreational activities. Applications will be accepted until position is filled. Please submit a curriculum vitae and names and contact information for three references to: Dr. Detlef H. Heck, Dept. of Anatomy & Neurobiology, University of Tennessee Health Science Center, Memphis, TN 38163. E-mail: dheck@utmem.edu, The University of Tennessee is an Affirmative Action Employer, encourages applications from women and underrepresented minorities and is an Equal Opportunity Employer/Affirmative Action/Title VI/Title IX, Section 504/ADA/ADEA Employer.

Multiple POSTDOCTORAL/RESEARCH ASOCIATE POSITIONS are available to study cell calcium, ion channels, and signal transduction in cardiovascular, respiratory and other systems. Candidates who apply for Electrophysiologist positions should have patch clamp and/or calcium imaging experience. For Molecular Biologist positions, applicants should have training in molecular biology, protein biochemistry, embryonic stem cells, and cell development. If interested, please send application letter and curriculum vitae to: e-mail: wangy@mail.unc.edu to Dr. Yong Xio Wang, Center for Cardiovascular Sciences, Albany Medical College, Albany, NY 12208.

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Science Careers

From the journal: Science
IT’S GETTING EASIER TO BE GREEN: JOBS IN GREEN SCIENCE

“People well versed in environmental topics, or productive in developing methods that lighten the environmental footprint, will be highly sought, key players in the development of the new economy—and well rewarded.”—Mario Mettich, communications manager for environmental health and safety at Con Edison.

Green jobs are red hot. For scientists, an expanding employment spectrum deals with the survival of people, plants, and planet. By Carol Milano

Whatever you’ve studied—physical science, medicine, engineering, any life science from agriculture to zoology—qualifies you for some kind of environmental job. Many don’t require Ph.D.s; most will utilize, and often expand, your skills and training.

Which green problems catch your attention—pesticides in foods, new recycling possibilities, fossil fuel alternatives, causes of polar ice melt? The list is as endless as the approaches. Here are some examples:

Greg Koch of Coca-Cola leads an international team of over 300 groups involved in the integrated global water strategy he helped establish. They strive to reduce the amount of, and safely recycle, water used to manufacture Coke’s beverages, and replenish community water supplies through locally relevant projects.

As vice president for research at the Environmental Working Group, Jane Houlihan oversees scientists at the Washington, D.C., nonprofit’s busy labs. Their thorough reports about consumer product safety—from sunblock to toys to bottled water—garner wide attention.

Kathy Loftus, national energy manager for Whole Foods Market, coordinates energy procurement and management. She supervises green design, construction, and maintenance for Whole Foods’ 270 sites, and helped develop the US Green Building Council’s coveted certification for supermarkets.

New York City Department of Environmental Protection ecologist John McLaughlin leads a project exploring urban oyster beds as natural water filters. Challenges include introducing shellfish restoration in locations as unlikely, and possibly uninviting, as wastewater treatment plants.

Skills and Specialties

Green jobs typically involve a range of proficiencies. The ability to conduct research in widely varied roles and settings, in labs or on location, is clearly a critical skill. Scientists study particular environmental factors, seeking ways to identify, predict, and lessen negative impacts. Through monitoring and evaluating activities, scientists track algal blooms, rainfall shifts, frog survival, air quality, possible toxins in decomposing trash—anything affecting or resulting from an environmental factor. Findings are sometimes controversial, requiring some skill in communicating with the public and media, too. Scientists in a specific green area might need to design, develop, and implement problem-solving approaches. These may be local and short-term, like testing water quality, or as widespread and complex as reducing greenhouse gas emissions. Training, educating, and communicating is of increasing importance these days; employees and the public need updates on new findings and approaches. Environmental health and safety (EHS) managers often handle internal training, while outreach specialists—typically at government or nonprofit organizations—inform citizens and spur support for environmental improvements.

Where the Jobs Are

Every employment sector now has environmental concerns and green jobs:

Academia: Besides faculty and research positions, some universities have prominent environmental affiliates, like Scripps Institute for Oceanography (University of California, San Diego), or Strategic Energy Institute (Georgia Institute of Technology).

Industry: Amidst efforts to reduce energy use and pollution, EHS is a rapidly growing profession. Fortune 500 corporations have become leaders in seeking national environmental reforms. One example, the outdoor clothing maker, Patagonia, was an early adapter of green technologies for its buildings and products.

Government: Municipal, state, and federal departments regulate everything from emissions to agriculture to water safety. California Department of Toxic Substances scientists explore innovative dioxin cleanup—even bioremediative mushrooms. The Recycling Bureau at New York City’s Department of Sanitation conducts an ambitious composting program. continued »

The list of green science jobs is as endless as the approaches.

Kathleen Sayce

UPCOMING FEATURES
The Road to Diversity in Science: Are We There Yet? — April 24
Careers in Biotech and Pharma — May 8
Diversity Feature: Asian American Scientists — May 29

www.sciencecareers.org/businessfeatures
“It took the guaranteed support I get from federal agencies. I’m very happy with my great freedom as a federal employee”
—Ron Neilson

Profile in Green: It’s All About the Science
Botanist Kathleen Sayce is the bank scientist at Shorebank in Ilwaco, Washington, a 12-year-old financial institution committed to a sustainable economy. Known for her work as science director at a local waterfront alliance, she was invited to apply, joined the bank in 1998, and helped develop evaluation criteria for loans.

“We consider where an applicant is now, the environmental impacts of how they do things, and steps they can take toward their goals,” Sayce explains. “When our evaluation shows problems we consider important, we can help solve them, starting with simple actions like more recycling or better windows for daylighting.”

Reporting directly to Shorebank CEO (and Ph.D. physicist), David Williams, Sayce sets her own work schedule and annual goals. One-third of her time is at client meetings, often about developing more efficient, cost-effective energy use. Scientific training is “important background for a lot of our processes. If you don’t anchor in the science, you’ll get lost,” Sayce and Williams believe.

Sayce says she’s been surprised at how easily traditional scientists “cross over to insurance, finance, brokerage, or analytic work. Scientific training gives you comfort with numbers and logic,” Sayce finds. “I love the job and the pace—never knowing day to day what I’ll be asked to work on.”

Profile in Green: Forecasting Climate Change
No one was hiring biogeographers when Ron Neilson completed his Ph.D. during the 1980s recession. Before climate change became a global issue, a series of academic jobs led him to merge population biology and pipeline ecology. Using math and computer skills, he developed systems models showing 150 years of climate variability.

When 1986 legislation funded a national climate change research facility at the US Environmental Protection Agency’s Portland, Oregon, environmental lab, Neilson called to offer a seminar on Northwest acid rain. It was a success; he instantly volunteered another, on climate change and vegetation. “When I wandered in, my [current] job was ending,” he recalls. “They were looking for someone to hire. With my huge perspective on jet streams, weather, and global currents, my visit became a job interview, with an immediate offer.”

As chief scientist, he established nationwide cooperative agreements for massive case studies among 50 institutions. Displeased with EPA politics, he moved to the US Forest Service’s Corvallis, Oregon, research lab. As their bioclimatologist, Neilson and several postdocs he’d hired developed one of the first—and statistically most accurate—biogeographic climate models. Adapted by other nations, NOAA, and the Weather Channel, Neilson’s model is now used to forecast seasonal forest fire risks.

“I don’t think I could have built [this] research infrastructure and capability on soft money,” he reflects. “It took the guaranteed support I get from federal agencies. I’m very happy with my great freedom as a federal employee.”

Profile in Green: Listening to the Oceans
Scuba diving heightened Nancy Rabalais’s marine biology interests during high school, in coastal Corpus Christi, Texas. She surveyed natural reef sea squirts for her Master’s, gave beach walks and slide shows as a national park seashore naturalist, and assessed Texas’s continental shelf while a research associate. Seaskim on large boats and disliking small ones, Rabalais found a land-based marine specialty for her zoology Ph.D.: fiddle crabs.

Increasing involvement in invertebrate taxonomy and community ecology led her in 1983 to a job at a statewide nonprofit, exploring oil and gas development’s effects on marine ecology. She became Louisiana Universities Marine Consortium’s executive director in 2005. “It’s challenging, a real chance to help LUMCON grow,” Rabalais reflects. “We try to increase ocean literacy, for example. Our BayouSide Classroom for middle school kids won a National Science Foundation award.” Rabalais team-teaches biological oceanography at Louisiana State University, and continues her own research on Mississippi River-Gulf of Mexico interactions, forming the world’s second largest dead zone. Serving on many boards and panels, she travels frequently for LUMCON. “This is an exciting time for ocean and marine biology. They’re a growth opportunity—or should be: oceans drive climate. People moving to coasts put more pressure on coastal habitats. Ecology isn’t one estuary or gulf—it’s global,” she declares.

Profile in Green: Heeerrrre’s... Mario
As EHS communications manager at Con Edison in New York, Mario Mettich updates the company’s 1,400 employees on environmental initiatives and important procedures, like handling hazardous substances safely.

For the quasi-public corporation’s annual report—featuring environmental consequences of company operations—he data-gathers, coordinates, and writing take six months. He produces and writes a monthly Intranet video news magazine, ghostwrites safety and environmental speeches, and organizes an annual environmental forum conference for Fortune 500 executives. “I’m the Johnny Carson of EHS,” jokes Mettich.

His physics degree “acquaints me with the scientific method when evaluating data, providing a very broad foundation. Many

GREEN JOBS CHECKLIST
Pros
Transferable skills. Apply training learned at other jobs.
Earning potential. Shortage of qualified scientists in many specialties boosts salaries.
Gratification. Make a difference!
Employer awareness. There is increasing respect for environmental responsibility.

Cons
Slow growth. Environmental positions will evolve gradually in newer areas.
Unfamiliar workplaces. Managerial or analytic responsibility can mean more time indoors or away from research sites.
Increasing demands. With skyrocketing need for environmental information, some fields are swamped with requests.
New collaborators. You may have to persuade nonscientists that certain environmental factors affect them.
Enormous scale. It can be challenging to work on such big issues, especially when policy lags innovation.

Nonprofits: Thousands of associations, organizations, and foundations handle green issues through advocacy, education, research, recreation, or a combination of these. Nonprofits can be small and local like Sustainable South Bronx, or high profile and nationally active like the Environmental Defense Fund, or global innovators, like the Bill & Melinda Gates Foundation.

Quasi-public: Privately-owned, government-regulated companies like Detroit Edison or the Port Authority of New York/New Jersey provide essential services including water, electricity, and transportation. Their scientists explore newer, cleaner, more affordable energy sources.
SEEKING RESEARCH SCIENTIST IN GENETICS AND GENOMICS

The University of Ottawa Heart Institute (UOHI) is Canada’s largest academic cardiovascular centre and has established a major focus in genomic approaches to the study of cardiovascular disease and its associated traits.

The Institute is seeking a dynamic investigator with an international research profile in genetics and genomics. The candidate should have either a PhD or MD and must have an outstanding publication and grant procurement record. Additional expertise in biostatistics or bioinformatics would be considered an asset but is not essential. The candidate should also have the strong leadership, interpersonal and networking skills required to direct his/her own laboratory and work with the Ruddy Canadian Cardiovascular Genetics Centre.

An extensive biobank and database contains more than 8,000 phenotypically defined patients and controls that have been genotyped in a genome-wide association study (GWAS), and further recruitment is ongoing. The core genetics laboratory is fully equipped for GWAS with four Affymetrix GeneChip scanners and sixteen fluidics stations dedicated to high-throughput SNP genotyping and expression analysis, a Roche FLX Genome Sequencer, and sophisticated, highly advanced facilities for cellular imaging and animal models of disease.

Qualified candidates would be eligible for Tier 1 or Tier 2 Canada Research Chairs, substantial peer-reviewed funding from Canadian granting agencies, and additional infrastructure support from the Canada Foundation for Innovation (CFI).

Send applications to:

Robert Roberts, MD, FRCPC, MACC
President and Chief Executive Officer
University of Ottawa Heart Institute
Tel: 613-761-4779
Fax: 613-761-4650
email: rroberts@ottawaheart.ca
physics principles are in applied technologies like engineering or process controls,” observes Mettich, whose first job was editing an American Institute of Physics journal. He later became marketing communications vice president at an electronics manufacturer.

Mettich sees the EHS role growing continually, across industries. “My peers at ABC, Colgate-Palmolive, or Disney all work on the same issues. The mission of environmental specialists remains [consistent]: conducting sustainable practices.”

Profiles in Green: The Human Factor

“Climate change is an intellectually stimulating sector, very complex, with many possibilities for how this will come together,” says Heather Kaplan Coleman, senior policy adviser on climate change for Oxfam America. “I see it crossing many fields—a global humanitarian issue and an energy issue.”

Working at a Washington, D.C., advocacy center in 1997 inspired her to seek some green experience. By 2001, “I knew why I was interested in the environment—it was about changing the way we think about and use energy in the United States. I became more interested in human communities, not just animals and air.” Instead of pursuing federal climate-related jobs after earning her Master’s, Coleman chose regional and state climate policy, “where the action has been.”

She built her reputation at a regional air use consortium and a think tank, Environment Northeast. When Boston-based Oxfam America began addressing climate issues, “they had no one with climate change or policy experience, and found me,” recalls Coleman, who was eager to move into international negotiations. “It’s a hugely expansive, eye-opening learning experience, bringing a different perspective to people around the world, seeing that we can support those who need to adapt. How do we get the developing world on track with us? This is much more advocacy-based than what I’d been doing, more analytic.”

Job Hunting

It’s an exciting time for green employment, reports Frank DeSafey, vice president of Sequence Staffing, an environmental and engineering placement firm in Roseville, California. “We’re busier than ever, and don’t see any lack of money.”

—Frank DeSafey

“Were busier than ever, and don’t see any lack of money.”

Renewable energy is on a fast track, too, with everything from biofuels to nuclear to hydropower being explored. Each energy source requires its own gamut of specialists, and demand is surging. In 2008, the solar energy field employed 35,000 people in the United States. If the US Department of Energy pursues its goal of 20 percent wind power by 2030, Desafey forecasts increases in this field of 10 times the current 50,000 jobs. Specialists needed for windpower positions include ecologists, climatologists, and electrical engineers.

As early environmental specialists’ retirements create significant mid-level demand, especially for project managers, Sequence seeks people with technical degrees and management experience. With periodic hiring freezes, federal agencies have relatively few younger employees, notes Neilson, anticipating some upcoming opportunities for scientists.

Even in a thorny job market, prospects in the green sector remain (at least relatively) encouraging. And many professionals working in green fields discover that their rewards go well beyond the paycheck. Rabalais of LSU is often called to Capitol Hill to review bills or testify before Senate and House committees on natural resources. “My testimony has helped lead to appropriations,” she says with pride. “My job is very fulfilling. I never expected this when I was chasing around fiddler crabs!”

Featured Participants

| Bill & Melinda Gates Foundation | New York City Department of Sanitation |
| California Department of Toxic Substances | Oxfam America |
| Coca-Cola | Port Authority of New York/New Jersey |
| Con Edison | Scripps Institute for Oceanography |
| Detroit Edison | www.sio.ucsd.edu |
| Environmental Defense Fund | Sequence Staffing |
| www.edf.org | www.sequencestaffing.com |
| Environment Northeast | Shorebank |
| www.env-ne.org | www.shorebankcorp.com |
| Environmental Working Group | Strategic Energy Institute |
| www.ewg.org | www.energy.gateway.edu |
| Louisiana State University | Sustainable South Bronx |
| www.lsu.edu | www.ssbx.org |
| Louisiana University Marine Consortium | US Environmental Protection Agency |
| www.lumcon.edu | www.epa.gov |
| New York City Department of Environmental Protection | US Forest Service |
| Whole Foods Market | www.wholefoods.com |

The views expressed by interviewees do not necessarily represent those of their employers or affiliated institutions.

Carol Milano is an independent journalist in New York City, covering health care and science.

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CAREERS IN GREEN SCIENCE

Full-Time Professor Positions
at the Department of Earth Sciences
Tsinghua University P.R.C

Tsinghua University is planning to establish a new department in Earth Sciences in 2009. We invite applications for professors and senior research scientists whose interests include but not limited to: Geochemistry and Biogeochemistry, Structural Geology, Planetary Science, Atmospheric Science, Ocean Sciences, Earth System Science, Climate Change, Earth System Modeling and Earth Observations.

Candidates must hold a Ph.D. and have publications in high profile journals. Senior Scientists with full professorship and extensive research experiences are preferred. The university will offer a generous startup package, competitive salaries, and benefits etc. Applicants should submit full curriculum vitae, statements of research interests, 3-5 representative research papers and proof of exceptional achievements, three to five letters of recommendation to cekfa@mail.tsinghua.edu.cn or mail to Mr. Wang Wei, Personnel Office, Tsinghua University, Haidian District, Beijing, 100084 P.R.China.

ENDOWED CHAIR, GASTROINTESTINAL CANCER

The Division of Gastroenterology and Hepatology at Indiana University School of Medicine, in conjunction with the IU Simon Cancer Center, is seeking applications from qualified individuals for a senior level, tenured/tenure-track position to expand basic and translational research to complement existing excellent clinical research and clinical practice in the area of GI cancer. The institution is particularly strong in colon, pancreatic, biliary, and liver cancers. Qualified applicants will also be considered for an Endowed Professorship in the School of Medicine. The position requires a strong record of productive independent research and a record of peer-reviewed extramural funding.

Interested individuals should send their curriculum vitae, a brief overview of research plans, and three (3) letters of reference (NOTE: full professors must submit six (6) letters of reference) to Naga Chalasani, MD, Chief, Division of Gastroenterology and Hepatology, Indiana University School of Medicine, RG 4100, 1050 Wishard Blvd., Indianapolis, IN 46202. Or email application materials to bjcrag@iupui.edu; reference “Faculty Position” in the subject line. To ensure full consideration, applications should be received by June 1, 2009.

Indiana University is an Affirmative Action, Equal Opportunity Employer. Applications from women and minorities are encouraged.

RIKEN
Researcher and technical staff positions for FY 2009

RIKEN has openings for researchers and technical staff at the following laboratories.

1. Research Department: Organometallic Chemistry Laboratory (Chief Scientist: Zhaomin Hou)
Area of Research: http://www.riken.jp/engr/w-r/world/info/recruit/090610k/index.html
Available Position: One ASI Research Scientist
Job Description: http://www.riken.jp/engr/w-r/world/info/recruit/090610k.html
Qualifications:
• The successful candidate must have a PhD or must be confirmed to acquire it by the starting date.
• At least one year of overseas research experience desirable.

2. Research Department: Research Infrastructure Group, SR Life Science Instrumentation Unit (Group Director: Masaki Yamamoto)
Area of Research: http://www.harima.riken.go.jp/eng/lab/37.html
Available Position: One Research Scientist or Technical Scientist
Job Description: http://www.riken.jp/engr/w-r/world/info/recruit/090610k_2.html
Qualifications:
• PhD (or equivalent research ability and background) in the relevant field of research.
• At least one year of overseas research experience desirable.
• Preferable to be experienced with R&D for experimental instruments in synchrotron radiation science.

3. Research Department: Lipid Biology Laboratory (Chief Scientist: Toshihide Kobayashi)
Area of Research: http://www.riken.jp/engr/w-r-world/research/lab/wakolipid/index.html
Available Position: One ASI Research Scientist
Job Description: http://www.riken.jp/engr/w-r-world/info/recruit/090610k_4.html
Qualifications:
• The successful candidate must have a PhD or must be confirmed to acquire it by the starting date.
• At least one year of overseas research experience desirable.

4. Research Department: Advanced Device Laboratory (Chief Scientist: Koji Ishibashi)
Area of Research: http://www.riken.jp/engr/w-r-world/research/lab/wakodevice/index.html
Available Position: One ASI Research Scientist
Job Description: http://www.riken.jp/engr/w-r-world/info/recruit/090610k_3.html
Qualifications:
• The successful candidate must have a PhD or must be confirmed to acquire it by the starting date.
• At least one year of overseas research experience desirable.

5. Research Department: Radioactive Isotope Physics Laboratory (Chief Scientist: Hiroyoshi Sakurai)
Available Position: One RNC Research Scientist
Job Description: http://www.riken.jp/engr/w-r-world/info/recruit/090610k_5.html
Qualifications:
• The successful candidate must have a PhD or must be confirmed to acquire it by the starting date.
• At least one year of overseas research experience desirable.

Common conditions
Location: Research Infrastructure Group: RIKEN Harima Institute, 1-1-1, Kouto, Sayo-cho, Sayo-gun, Hyogo 679-5148, Japan
All other positions: RIKEN Wako Institute, 2-1 Hirosawa, Wako-shi, Saitama, Japan
Conditions: At least one year of overseas research experience desirable.

Application Documents: The required documents differ according to the laboratory. Please refer to the following URL to find out what documents are required.

Note 1: Submitted documents are strictly protected under the RIKEN Privacy Policy and will be used only for the purpose of applicant screening. Personal information will not be disclosed, transferred or loaned to a third party under any circumstances without legitimate reason.
Note 2: Submitted documents will not be returned.
Deadline: 5pm on Wednesday, June 10, 2009 (Japan Standard Time)
Selection Process: Selection will be made based on application screening and interviews.
Start of Employment: October 1, 2009 or later, but negotiable.
Contact Information for Submitting Documents and Making Inquiries:
Research Personnel Section, Advanced Research Promotion Division, RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198 (3rd floor of the RIKEN Gallery building)
E-mail: rps-saiyo (please add “@riken.jp” to complete the address)
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Department of Health and Human Services
National Institutes of Health
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Intramural Research Program

Staff Scientist (Biostatistician)
Clinical Sciences Section
Orthopaedic Surgery

The Clinical Sciences Section (CSS) in the Office of the Clinical Director, National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) is recruiting for a Biostatistician. Research in the CSS is in the broad areas of clinical epidemiology and health services research. The CSS focuses on studies of health outcomes of patients with musculoskeletal diseases. This is accomplished using observational studies, clinical trials, and analyses of large administrative datasets.

The successful candidate will be expected to be skilled in statistical computing, the application of statistics in epidemiology, longitudinal data analysis, and the analysis of clinical trials. He/she will assist in hypothesis development, data acquisition, data analysis, and manuscript preparation for projects designed to improve clinical care in orthopaedic surgery and musculoskeletal medicine. He/she will have the opportunity to conduct independent methodological research.

The ideal candidate will have a doctoral degree in statistics, health services research, economics, or a related field. A record of peer-reviewed publications in one of these fields is required. Experience with programming using common statistical software is expected. Prior experience analyzing large administrative datasets would be advantageous. The successful candidate should have strong communication skills and the ability to work independently. Applications will be evaluated on demonstrated ability to analyze epidemiologic and clinical trial data and to collaborate effectively.

Salary will be commensurate with experience. A full package of benefits, including retirement, health, life, and long-term care insurance, and a Thrift Savings Plan is available.

Interested individuals should send a cover letter, curriculum vitae, a brief summary of research experience, accomplishments and research interests and goals, copies of three publications or reprints, and three letters of reference electronically to Ms. Penny J. Mowery at mowerypj@mail.nih.gov or mailed to the address below by June 30, 2009: Timothy Bhattacharyya, MD, c/o Penny J. Mowery, NIAMS (National Institute of Arthritis and Musculoskeletal and Skin Diseases), National Institutes of Health, DHHS, Building 10 - Magnuson CC, 6N204, 10 Center Drive, Bethesda, MD 20892 Desk phone: 301-402-2679; Office phone: 301-435-3050.
Tenure Track/Tenure Investigator Positions in Systems Immunology and Infectious Disease Modeling

The National Institute of Allergy and Infectious Diseases (NIAID), Division of Intramural Research (DIR), is seeking several outstanding individuals for its new Program in Systems Immunology and Infectious Disease Modeling (PSIIM) — http://www3.niaid.nih.gov/labs/aboutlabs/psiim/.

Modern technology allows the deep analysis of biological systems at multiple levels—from intracellular signaling networks to individual cell behavior to the functioning of a tissue, organ, and even the whole organism. The challenge is not only to collect the large amounts of data these technologies can generate, but also to organize it in a manner that enhances our understanding of how such systems operate. To do this, it is necessary to develop quantitative models that can be used to predict behavior of these complex systems.

Achieving this goal requires an interdisciplinary effort, and for this reason, PSIIM is organized as an integrated team of scientists and support staff. Within PSIIM, there will be groups with expertise in the areas of computational biology, bioinformatics, proteomics, genomics, cell biology, immunology, and infectious diseases. These groups will have access to the latest technology for gene expression profiling, high content screening of RNAi libraries for the discovery of pathway components, imaging tools, genomic and proteomic analysis, cores for the genetic manipulation of animals, and a substantial computer infrastructure. They will also have access to BSL-3 facilities for working with infectious agents of high priority for human health and biodefense.

Although PSIIM has been established within NIAID and has an immune/infectious disease focus, it is also expected to play a major role in fostering the growth of systems biology efforts throughout NIH and involving diverse biomedical areas. PSIIM staff will interact extensively with investigators in other components of the NIH intramural research program, including but not limited to the National Center for Biotechnology Information, NIH Chemical Genomics Center, Center for Information Technology, and Center for Human Immunology, all of which have activities emphasizing systems and informatic approaches to biomedicine. Current groups in the PSIIM include Computational Biology—Modeling and Simulation, Molecular/Cell Biology—High-throughput Screening, Proteomics, and Immunology. PSIIM is now recruiting for tenure-track or tenure level team leader appointments in the following areas:

**Bioinformatics/Biostatistics:** The incumbent will lead a group focused on developing and implementing computational tools and statistical methods for the analysis of large-scale genomic, proteomic, and cell biological datasets. The ideal candidate will have a strong background in statistics, mathematics, programming, and modeling biological systems, as well as a strong interest in collaborating with experimentalists to elucidate biological mechanisms through application of informatic methods, including construction of networks suitable for predictive analysis. The group will include expertise in statistics, software development (C++, Java, Perl, SQL, etc.), knowledge of existing and emerging bioinformatic tools, databases and algorithms, and experience with heterogeneous computer environments.

**Genomics:** The incumbent will be responsible for applying and, when necessary, developing novel methods for the systems-wide analysis of such issues as transcription factor and epigenetic control of gene expression, quantitative measurement of gene expression, and the role of non-coding regions and small RNAs in regulating gene/gene product expression patterns. PSIIM is especially interested in recruiting an individual with a strong interest in the application of these methods to the study of gene regulatory circuits and to the integration of information on cell signaling events, developmental state, and such gene regulatory circuits into comprehensive models of the control of cellular differentiation, for example, of effector CD4+ T cells or iPS.

These positions and the research activities they conduct are fully funded by the intramural research program of NIAID. Each team leader is expected to build a working group consisting of postdoctoral fellows, students, technicians, and staff scientists. The team leaders will work with the program director to help set the goals for PSIIM and to determine how best to reach these goals as an integrated group. To ensure appropriate career trajectories for those joining the PSIIM team effort, NIH has modified its tenure policies to take specific account of contributions made in such a team science setting. Members of PSIIM will be expected to play a major role in development of an integrated computational systems approach to biology, the application of these methods to questions of substantial biomedical importance, and the dissemination of the tools and techniques developed in PSIIM across the NIH intramural program and in the extramural academic and industrial spheres. Applicants should be seeking a challenge in which creativity, technical expertise, and a strong desire to achieve in a team setting will be critical for success.

**Interested candidates may contact:**

Ronald Germain, M.D., Ph.D., Program Director, PSIIM, DIR, NIAID, at 301-496-1904 or germain@niaid.nih.gov for additional information about these positions.

Applicants must have a Ph.D., M.D., or equivalent degree in a relevant field with extensive post-doctoral experience, as well as a strong publication record demonstrating potential for creative research. To apply, submit your curriculum vitae, bibliography, and a detailed statement of how your expertise can contribute to the success of the PSIIM program to Wanda Jackson at NIAID.DIR.Search@niaid.nih.gov. In addition, three letters of reference must be sent directly from the referee to Robert Hohman, Ph.D., Chair, NIAID Search Committee, c/o Wanda Jackson at NIAID.DIR.Search@niaid.nih.gov or 10 Center Drive, MSC 1356, Building 10, Room A222, Bethesda, MD 20892-1356. Email is preferred. Completed applications MUST be received by May 1, 2008.

Further information regarding the DIR laboratories is available at http://www3.niaid.nih.gov/about/organization/dirt/default.htm and information on working at NIAID is available on our Web site at http://www.niaid.nih.gov/careers/dps.

For more information about the NIAID systems biology program, please visit http://www.niaid.nih.gov/catalyst/2006/06.09.01/page1.html
The Technology Center AIMEN, located in Galicia (Spain), is a highly professionalized organisation specializing in the field of Materials Engineering and Manufacturing Processes. Around 100 industrial member organisations and 500 industrial customers covering a wide range of industrial sectors ensure the applicability of the R&D&I projects, which can be grouped into the following research fields:

- Joining technologies.
- Materials processing through advanced technologies (Laser and Friction Stir Based Techniques).
- Non Destructive testing technologies.
- Development of new materials and coatings.
- Environment.

To lead some of these areas, AIMEN is looking for candidates to fill the following positions:

**DIRECTOR OF THE CHARACTERIZATION AND MATERIALS RESEARCH LINE.** (Ref. IMAN 007)

Candidates with a PhD in Physics, Chemistry or Materials Engineering are expected to have 10 years post-doctoral experience in research project management of materials, technical know-how on a welding basis and a high impact publication record in the field.

**DIRECTOR OF LASER TECHNOLOGY.** (Ref. IMAN 008)

Candidates with a PhD plus major in Laser Assisted Materials Processing should have at least 15 years experience in research project management on Laser Material Processing. European projects, high impact publication record and patents in the field together with management skills are also expected.

The Center will make all its facilities and technical resources available to the successful candidates.

Salary range: negotiable, commensurate with qualifications and experience of the appointee.

For further details and how to apply please visit: [www.programaiman.eu](http://www.programaiman.eu)

You Can Make A Difference

The FDA Commissioner’s Fellowship Program is a two-year program designed to attract top-notch health professionals and other scientists. The fellows train minutes from the nation’s Capital at FDA’s new state-of-the-art White Oak campus in Silver Spring, Maryland or at other FDA facilities.

Coursework and Preceptorship

The fellowship program combines rigorous didactic coursework with the development of a hypothesis driven, regulatory science research project. The coursework is designed to provide an in-depth understanding of the science behind regulatory review, encompassing the activities of the FDA across foods, drugs, biologics, devices, and cosmetics. Under the guidance of a FDA senior scientist committed to mentoring, fellows will also identify a specific aspect of FDA regulatory science to explore. The experience can be in a biology, physics or engineering lab, in a clinical review team, in biostatistics, informatics, epidemiology, risk analysis or other aspects of FDA science.

Who Should Apply?

Applicants must have completed all requirements for a Doctoral level degree (M.D., D.O., D.D.S., D.P.M., D.V.M., Pharm.D., or Ph.D.) by September 30, 2009 to be eligible. Applicants with a B.S./B.A. or M.S./M.A. in engineering are also eligible. Candidates must be a U.S. citizen, a non-citizen national of the U.S., or have been admitted to the U.S. for permanent residence before the program start date. Applicants cannot be current FDA employees or FDA contractors (such as ORISE fellows). To apply, and for further information about the FDA Commissioner’s Fellowship Program, please visit www.fda.gov/commissionersfellowships/default.htm.

FDA is an Equal Opportunity Employer and is a smoke-free environment.

Privacy Act Notice (PL 93-579): The information requested here is used to determine qualifications for employment and is authorized under Title 5 U.S.C. 3302 and 3361.

The Medical Biotechnology Center, University of MD Biotechnology Institute is actively seeking a Research Associate in the Institute of Fluorescence. The applicants will be expected to undertake day-to-day laboratory experiments in Fluorescence Spectroscopy and metal-enhanced fluorescence within the Institute of Fluorescence. This will include the operation of fluorescence and absorption spectrometers, optical detectors such as CCD cameras, fiber optics and the measurement of fluorescence lifetimes using TCSPC as well as molecular diffusion times using FCS. The candidate will have a good working knowledge of fluorescence theory and its applications and be familiar with FCS and single molecule detection. The development, use and application of fluorescence-based immunoassays will also be undertaken by the successful applicants. The candidate will have a Ph.D. in Fluorescence Spectroscopy or in a related spectroscopy discipline. The candidate will also have experience fluorescence sensing and immunosensing. A working knowledge of Plasmonics and the use of surface plasmons in immunosensing are desired. Salary is commensurate with experience. Postdoctoral and Senior Researchers are encouraged to apply. ALL APPLICANTS ARE REQUIRED TO APPLY ONLINE AT WWW.UMBL.UMD.EDU/JOBS TO POSITION NUMBER 300992. Application review will begin immediately and will continue until a suitable candidate is selected.

The Servizo Galego de Saúde (Galician Health Service), dependent on the Consellería de Sanidade (Ministry of Health), is responsible for the provision and management of health care services in Galicia (Spain). Some of its highly specialized institutions (Galician Public Foundation for Genomic Medicine, Cancer Center) are among the biomedical and health sciences research centers of excellence in Spain.

To lead some of our research programs at the Instituto de Investigación Sanitaria, a partnership between the Galician Health Service and the University of Santiago de Compostela, we are seeking senior researchers for the following positions:

Director of the Research Program on Molecular Oncology and Imaging. (Ref. IMAN 006)

Candidates must have an extended experience in international consortia on family-based cancer genetics research. Accredited leadership and participation in large scale international projects on the genetic epidemiology of cancer, and an excellent publication record are expected.

Interested applicants should submit an online application through the website: http://www.programaiman.eu, and e-mail a cover letter summarizing the applicant’s career and future plans (1 page), CV with list of publications (past 10 years, with 5 most significant publications highlighted), short research plan (max 3 pages) including the summary of expected translational, medical, or public health impact, and names of three references to Programa IMAN (e-mail: info@programaiman.eu).

The Institution will make all its facilities and technical resources available to the successful candidates.

Salary range: €40.000 - €70.000, commensurate with qualifications and experience of the appointee.

Further information available at www.programaiman.eu

The USDA, Agricultural Research Service (ARS), Animal and Natural Resources Institute in Beltsville, Maryland, is seeking an Associate Institute Director for a permanent full-time position. Salary is commensurate with experience and can range between $120,830 to $153,200 per annum, plus benefits. The mission of the institute is to conduct research and technology transfer programs that ensure high quality and safe food and other animal products while protecting the natural resource base and the environment. The mission is accomplished through fundamental and applied research in 8 laboratories, and a Veterinary Services Unit and Animal Care Compliance Office. The Associate Director participates with the Director in planning, coordinating, and evaluating the institute’s programs, and provides leadership and operational accountability for the institute’s research and technology transfer programs. The position requires thorough knowledge of animal, natural resources, and/or environmental sciences; knowledge of budgetary processes and procedures; and managerial skills in establishing goals and priorities and in the assessment and assignment of human resources to accomplish goals. Refer to announcement ARS-X9E-0098 at: http://www.afm.ars.usda.gov/divisions/hrd/vacancy/VAC2.HTM for detailed information regarding qualification requirements and for complete application information and instructions. Applications must be postmarked by April 10, 2009. U.S. Citizenship is required. USDA/ARS is an Equal Opportunity Employer and Provider.

**OPPORTUNITIES FOR EXCELLENCE**

**International PhD program at the BIOZENTRUM**

University of Basel, Switzerland

The Biozentrum, together with the Werner Siemens - Foundation (WSF) launches the International PhD Program in Molecular Life Sciences and encourages excellent students to apply for one of the prestigious WSF fellowships. The Biozentrum provides an internationally renowned research environment centered around three focal areas (Infection Biology, Growth and Development, Neurobiology) and two core programs (Structural Biology & Biophysics and Computational & Systems Biology) and is dedicated to basic molecular and biomedical research (http://www.biozentrum.unibas.ch/). We offer advanced interdisciplinary training in the field of modern biology, a lively and interactive educational atmosphere, and competitive salaries with respect to European standards. University graduates admitted to the program receive theoretical and practical training and conduct a three-year research project under the supervision of a Biozentrum faculty member, monitored by a Thesis Advisory Committee. Basel is an international center for biology research with major academic life science institutes and a high density of globally operating biotech companies. Applications to the PhD fellowship program have to be submitted online. Application forms, requirements, and additional information can be found at: http://www.biozentrum.unibas.ch/phd/. Application deadline: June 30, 2009.

**FACULTY POSITIONS AT THE ROCKEFELLER UNIVERSITY**

The Rockefeller University seeks exceptional, interactive, and creative scientists to join its faculty. We invite applications from outstanding candidates for tenure-track positions and also encourage tenured Professors to apply, provided that they are early on in their careers. The Rockefeller University provides strong financial support for the research work of its faculty. The positions offer highly competitive salary, benefits and start-up funds, new or recently renovated laboratory space, access to numerous state-of-the-art core facilities and extensive opportunities for collaboration both within the University and with neighboring institutions. The University also provides very strong continuing support for research work beyond start-up, including full support for graduate students. The University has a laboratory-based organization structure that fosters interdisciplinary research in the following areas:

- Biology of Single Cells
- Chemical Biology
- Evolution, Ecology, & Developmental Biology
- Medical Sciences & Human Genetics
- Microbiology & Immunology
- Neurobiology & Behavior
- Physics & Biology
- Physiology of Multicellular Organisms

Details about specific subjects of research can be found at: http://www.rockefeller.edu/facultysearch. Applications are being accepted electronically through our Online Application System at http://oas.rockefeller.edu. Applicants should follow the online application procedure. The deadline for receipt of applications is May 15, 2009.

If you have questions regarding submitting an application, please contact our Administrator at facultysearch@rockefeller.edu.

The Rockefeller University is an Affirmative Action/Equal Opportunity/VEVRAA Employer and solicits applications from women and underrepresented minorities.

**Call for applications for FY2010 Foreign Postdoctoral Researcher (FPR)**

RIKEN, Japan

RIKEN is one of Japan’s largest research organizations with institutes and centers in various locations in Japan and overseas. RIKEN 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 Foreign Postdoctoral Researcher (FPR) for FY2010. This position is for young foreign scientists who have demonstrated creative and innovative ideas and who can be expected to achieve broad international recognition in the future. The FPR program will provide an opportunity for young foreign scientists to apply their creative and innovative ideas, under the direction of RIKEN’s laboratory heads, to research currently being conducted at RIKEN.

**Job Description Summary**

1. Number of openings: Around 15
2. Qualifications:
   1. Applicants should be none Japanese citizens.
   2. Applicants must have a PhD in the natural sciences awarded in or after 2003, or expect to be awarded a PhD by the date of hire.
   3. Applicants must be able to start working at RIKEN within fiscal year 2010 (April 1, 2010 to March 31, 2011).
3. Contract duration;
   1. From date of hire to March 31, 2011
   2. This contract may be extended for up to a maximum of 3 years.
4. Remuneration:
   Salary is 487,000 yen per month. Commuting and housing allowances are also available. An annual research budget of 1 million yen will be allocated to the host laboratory.

Send an e-mail indicating your desire to apply for the position of FPR to RIKEN by Friday, May 22, 2009. Reference material will be sent to those with an interest in applying.

**Application Deadline:** 5pm on Friday, May 29, 2009 (Japan Standard Time)

Additional information on the program and application procedures is available at http://www.riken.go.jp/engn/r-world/info/recruit/index.html

FPR Desk, Research Personnel Section, Advanced Research Promotion Division, RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198 Japan. Fax +81-48-463-3687
Email: fpr@riken.jp
Vaccine and Infectious Disease Research Center
TRANSLATIONAL HEALTH SCIENCE AND TECHNOLOGY INSTITUTE
Faridabad, National Capital Region, India

Advertisement for scientific positions

The Department of Biotechnology, Ministry of Science & Technology (Government of India) is establishing the Translational Health Science and Technology Institute (THSTI), an autonomous institution, as a part of the interdisciplinary Health Biotech Science cluster, located at Faridabad in the National Capital Region. The institute is being mentored by globally recognized National Institute of Immunology (NII) and the Harvard-MIT Division of Health Science and Technology (HM-HST). The THSTI is designed to be a dynamic and interactive organization with a mission to conduct innovative translational research and develop research collaborations across disciplines and professions to accelerate the development of concepts into tangible products to improve human health. The other members of the cluster include the Regional Center for Biotechnology (RCB) under the aegis of UNESCO and the NII with which THSTI will have seamless scientific collaboration to achieve the interdisciplinary expertise. The cluster institutions will have access to state of the art experimental animal facility and the platform technology center for the sophisticated instrumentation.

Vaccine and Infectious Disease Research Center (VIDRC) is an independent research center of the THSTI with mission to study infectious disease and pathogens with the aim to generate translational knowledge for developing prophylactic and therapeutic measures against diseases prevalent in India. The center is looking for highly motivated individuals with expertise in relevant areas of immunology, virology, microbiology, structural, chemical, and systems biology with interest in furthering the center’s mission. Research areas involving host-pathogen interactions, covering the entire range of expertise and interest from the statistical and epidemiological to the cellular and molecular levels will be considered.

Appointments are offered Assistant Professor upwards at various levels depending on the quantum of experience and the quality of the scientific productivity. The candidates must have an MD or PhD degree from a recognized university in any area of life sciences. A demonstrated record of scientific output in the form of recent peer-reviewed publications in scientific journals of high international repute and/or internationally valid and productive patents is essential. At the Assistant Professor level, three years of post-doctoral experience is desirable with some indication of independent scientific thinking. Appropriately higher experience and scientific accomplishment must be demonstrated for appointment at senior level. The investigators will be provided shared laboratory space and adequate start-up resources. They are expected to generate extramural project based funding for their research program.

The permanent laboratories of the center will come up at Faridabad in the next three years. The interim laboratories of the center will function from Gurgaon in the South Delhi area with adequate housing, transportation and schooling facilities. Campus housing may be made available when center moves to Faridabad.

Interested candidates working in public sector institutions within India are required to have their applications forwarded through proper channels. Applications will be accepted round the year; the first round of appointments is expected to be offered before September 2009 for which the closing date is May 15, 2009. Only short listed candidates will be contacted for further discussion.

Einstein College of Medicine
Post-doctoral positions available: HIV-1 Biology, Pathogenesis and HIV host factors

Two post-doctoral positions are available immediately to work on exciting HIV research projects.

1. HIV-1 Biology and Pathogenesis

One project is aimed at perturbing specific steps of HIV-1 replication using RNA aptamers directed to HIV targets including Gag, Nef, Protease, Reverse Transcriptase and Tat. These preclinical/basic projects entail mechanistic studies to dissect the early and late events of HIV replication and developing effective inhibitors. A second project attempts to delineate determinants of HIV neuropathogenesis. The latter project also offers opportunities for global health projects in developing countries. Individuals interested in learning more, can visit the laboratory website at: http://www.aecom.yu.edu/home/faculty/profile.asp?id=6706&k=&O=1&P=1.

Candidates must have experience in molecular biology, virology and cell culture methods. If interested, email curriculum vitae listing 3 references to prasad@aecom.yu.edu.

2. Structure function analysis of HIV-1 host proteins

We have two ongoing research projects aimed at: (i) the analysis of host factors for HIV-1 and (ii) studying the essential interactions between viral proteins. These structural and genetic approaches to study HIV-1 replication can shed light on complex host-pathogen interactions ultimately leading to anti-HIV-1 inhibitors. For additional information: http://molgen.aecom.yu.edu/index.php?option=com_content&task=view&id=58&Itemid=78.

Candidates must have experience in protein biochemistry, crystallography, and molecular biology. If interested, email curriculum vitae listing 3 references to: kalpana@aecom.yu.edu.

Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx NY 10461 USA
Equal Opportunity Employer.

HERMAN B WELLS CENTER FOR PEDIATRIC RESEARCH
INDIANA UNIVERSITY
School of Medicine
Asthma and Allergic Disease Program
Assistant/Associate Professor

The Department of Pediatrics, Section of Pulmonology, Critical Care and Allergy and the HB Wells Center for Pediatric Research (www.wellscenter.iupui.edu) is recruiting for a faculty position at the Assistant/Associate Professor level. We are particularly interested in candidates working in asthma and allergic disease related research to complement existing strengths in cytokine and T cell biology, and airway physiology in the areas of epithelial cell biology and viral infection. Candidates will have a PhD, MD or MD/PhD with a strong research background and either current, or potential for, independent funding. New faculty will be provided with generous start-up packages and join an active multi-disciplinary Immunology and Airway Disease research community.

Interested candidates are encouraged to submit a curriculum vitae and a short description of research interests to:

Mark H. Kaplan, PhD
Director of Pediatric Pulmonary Basic Research
Wells Center for Pediatric Research
Department of Pediatrics
Indiana University School of Medicine
702 Barnhill Drive, Room 2612
Indianapolis, IN 46202
airway@iupui.edu

Indiana University is an EEO/AA Educator, Employer and Contractor (M/F/D).

Science Careers online@sciencecareers.org
Faculty Position

Plastic Surgery/Developmental Biology

The Divisions of Plastic Surgery and Developmental Biology are jointly recruiting for a faculty position in Craniofacial Developmental Biology/Developmental Genetics research. Candidates must hold M.D., Ph.D., or M.D./Ph.D. Degree and will be expected to maintain a federally funded independent research program. Faculty at CCHMC have access to high-quality graduate and M.D./Ph.D. programs and training programs for post-doctoral fellows, clinical fellows, residents and clinical faculty. Candidates will be considered at any level from Assistant to Full Professor.

Our Children’s Hospital is currently ranked number three in the country in terms of NIH funding, just behind those at Harvard and the University of Pennsylvania. Dr. Chris Wylie heads the Division of Developmental Biology, which includes about twenty primary faculty appointments, with a wide range of developmental biology research interests. The many research credits of Children’s include the development of the oral polio vaccine by Sabin. http://www.cincinnatichildren.org/ed/research/degreemdb/default.htm

The Children’s Hospital Medical Center is resource rich and recently completed construction of a new 415,000 square foot research building, where we expect the Craniofacial Development Center to be housed.

Interested candidates should submit a curriculum vitae, a summary of past research accomplishments and future goals, and contact information for three references. Send to: Julie Burns, Cincinnati Children’s Hospital Research Foundation, 3333 Burnet Avenue ML 7007, Cincinnati, OH 45229-3039; Phone: 513-636-5620; julie.burns@chmc.org .

BROWN UNIVERSITY
Division of Biology and Medicine

Structural Biology Faculty Position
Assistant Professor/Associate Professor

The Center for Genomics and Proteomics at Brown University announces the opening of a faculty position at the rank of Assistant Professor or Associate Professor, effective July 1, 2009. Qualifications include a Ph.D. and/or M.D. degree with relevant postdoctoral research training and a record of excellence in research. The successful applicant will be an experimentalist in the general area of structural biology who will be expected to pursue an independent, externally funded research program. Special attention will be given to NMR spectroscopists, however structural biologists using other techniques, such as X-ray crystallography among others, are also encouraged to apply. The applicant should demonstrate a commitment to graduate and undergraduate education, and will have the opportunity to participate in predoctoral training programs within the Division of Biology and Medicine and campus at large. Research space will be provided in a new, state-of-the-art facility with access to modern core facilities, NMR spectrometers, in-house X-ray equipment, crystalization robotics, mass spectrometry, and biophysical analysis instrumentation, such as ITC, DSC, CD, and SPR among others. An attractive start-up package will be provided.

Candidates should submit a curriculum vitae with complete bibliography, a 3-5 page description of research plans, and a one-page teaching statement. Applicants should arrange for at least three reference letters to be sent under separate cover. Review of materials will commence on April 15, 2009 and will continue until the position is filled. Materials should be submitted electronically in PDF format to MPPB@brown.edu or by mail to: Dr. Wayne Bowen, c/o Ms. Monique Victor, Department of Molecular Pharmacology, Physiology & Biotechnology, Brown University, Box G-B3, Providence, RI 02912.

Brown University is an Equal Opportunity/Affirmative Action Employer and welcomes applications from women and minorities.

The University of New Mexico

DataONE (Observation Network for Earth)

Director, Information Technology

The Office of the Vice President for Research seeks highly qualified candidates for the position of Director of Information Technology for DataONE—a distributed global data center for earth observations, supporting the biological, environmental and earth sciences. The Director provides overall leadership for the design of system architecture, cyberinfrastructure implementation, and operations for the global data network.

Applicants must possess an M.S. or Ph.D. in Computer Science, Library and Information Science, or the Biological, Environmental, or Earth Sciences, plus demonstrated senior-level management experience and outstanding knowledge of information system architecture and operation. Expertise in software and systems engineering, Linux, modern programming languages, and open source development approaches is essential.

Salary is commensurate with experience, and a complete benefits package (including retirement, health/dental/life/long-term care insurance, etc.) is available. A detailed announcement including mandatory qualifications and application procedures can be obtained at the UNM Jobs website: https://umnjobs.unm.edu. Questions on application procedures may be addressed to The University of New Mexico Human Resource Department at (505) 277-6947.

A letter of interest (including a statement addressing the qualifications requirements), CV, and three references must be received by close of business May 1st, 2009.

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

The Medical Biotechnology Center (MBC) of the University of MD Biotechnology Institute (UMBI) is actively seeking a Research Associate in the Institute of Fluorescence. The applicants will be expected to undertake day-to-day laboratory experiments in Fluorescence Spectroscopy and metal-enhanced fluorescence within the Institute of Fluorescence. This will include the operation of fluorescence and absorption spectrometers, optical detectors such as CCD cameras, fiber optics and the measurement of fluorescence lifetimes using TCSFC as well as molecular diffusion times using FCS. The candidate will have a good working knowledge of fluorescence theory and its applications and be familiar with FCS and single molecule detection. The development, use and application of fluorescence-based immunoassays will also be undertaken by the successful applicants.

The candidate must have a Ph.D. in Fluorescence Spectroscopy or in a related spectroscopy discipline. The candidate will also have experience in textile processes, staining and the implementation of nanotechnology to clothing fibers. Expertise in optical spectroscopy is desirable. Salary is commensurate with experience.

Postdoctoral and Senior Researchers are encouraged to apply.

ALL APPLICANTS ARE REQUIRED TO APPLY ONLINE AT WWW.UMBLUMD.EDUJOBS TO POSITION NUMBER 300991. Application review will begin immediately and will continue until a suitable candidate is selected.

UMBI is an EEO/ADA/AA Employer.
2009 BBVA Foundation Frontiers of Knowledge Awards

The BBVA Foundation expresses the corporate responsibility of BBVA, a global financial services group committed to working for the improvement of the societies where it does business.

The Foundation supports knowledge generation, scientific research and the promotion of culture, ensuring that the results of its work are relayed to society at large. Among its preferred areas of activity are basic sciences, biomedicine, ecology and conservation biology, the social sciences, literary creation and contemporary music.

The BBVA Foundation Frontiers of Knowledge Awards, whose second edition is now open, seek to recognize and encourage world-class research and artistic creation, prizing contributions of broad impact for their originality and theoretical significance. The BBVA Foundation Frontiers of Knowledge Awards honor fundamental advances in a series of basic, natural, social and technological sciences, as well as creative activity of excellence in the classical music of our time. Categories are also reserved for two core concerns of early 21st century society, climate change and socioeconomic development.

The BBVA Foundation Frontiers of Knowledge Awards take in the following categories:

- Basic Sciences (Physics, Chemistry, Mathematics)
- Biomedicine
- Ecology and Conservation Biology
- Information and Communication Technologies
- Economics, Finance and Management
- Contemporary Music
- Climate Change
- Development Cooperation

With the collaboration of:

CSIC

Consejo Superior de Investigaciones Científicas

Fundación BBVA

Plaza de San Nicolás, 4
48005 Bilbao - Spain
Paseo de Recoletos, 10
28001 Madrid - Spain
awards-info@fbbva.es
www.fbbva.es

The BBVA Foundation Frontiers of Knowledge Awards consist of 400,000 euros prize money in each category and are granted on an annual basis.

Candidates may be one or more natural persons, without limit of number, of any nationality. This means recognition may go to achievements resulting from cooperation within or across teams. In the categories of Climate Change and Development Cooperation, entries are also open to public or private non-profit organizations.

Nominations will be indirect and may come from any of the following institutions: scientific or artistic societies and organizations; national or regional academies of the sciences or the arts; public or private R&D centers; university departments and schools and university or research institutes; hospital departments and biomedical research centers; conservatories and schools of music; scholarly music and musicology journals; orchestras and orchestra associations; radio and television broadcasters running symphony or chamber orchestras; museums of the arts and sciences; and public agencies and international, national or regional organizations substantially engaged in analysis and/or activities relating to climate change and development cooperation.

Winners of the Nobel Prize in any of its categories and past winners of the BBVA Foundation Frontiers of Knowledge Awards shall likewise be entitled to nominate. The BBVA Foundation may also invite nominations from researchers and creative practitioners who have made outstanding contributions in their respective fields.

Entries can be submitted from January 1 to June 30, 2009, using the form provided on the dedicated website: www.fbbva.es/awards.

Candidate selection will be guided by the principles of objectivity and independence and will rely on the best standards and metrics of excellence in each prize area. The Foundation will be partnered in the selection process by the Spanish National Research Council (CSIC), Spain’s premier multidisciplinary research organization. The prize juries in each category will be made up of eminent international specialists.
POSTDOCTORAL FELLOWSHIP POSITIONS
Center for Environmental Health Sciences
College of Health Professions
and Biomedical Sciences
University of Montana – Missoula

Two or more postdoctoral positions funded by an NIH Center of Biomedical Research Excellence grant and individual NIH grants are available as part of our training program at the Center for Environmental Health Sciences (CEHS) in various fields of investigation including immunotoxicology, respiratory diseases, neurotoxicology, cardiovascular diseases, and related fields. More information can be found at website: http://www.umt.edu/cehs/. Previous training in a relevant field in biomedical research is required; applicants must have a Ph.D., M.D., or comparable degree at the time of appointment. Postdoctoral fellows will be expected to apply for independent funding in their first year. Please send curriculum vitae, a career statement, and three letters of reference to: Dr. Andrij Holian, CEHS, 280 Skaggs Building, 32 Campus Drive, Missoula, MT 59812. E-mail: andrij.holian@umontana.edu. An Equal Opportunity/Affirmative Action Employer.

The University of Georgia (UGA) Complex Carbohydrate Research Center (CCRC) is accepting applications for several ASSISTANT RESEARCH SCIENTISTS. A Ph.D. in a biological or chemical science field is required along with three years of research experience in the study of complex carbohydrates in plant, animal, or microbial cells and/or tissues. If interested please send a letter of application, curriculum vitae, and three letters of recommendation to: Lynn Berryman, CCRC, 315 Riverbend Road, Athens, GA 30602-4712. E-mail: lberry@ccrc.uga.edu. To ensure full consideration applications must be received by April 25, 2009. UGA is an Equal Employment Opportunity/Affirmative Action Employer.

ALASKA SEALIFE CENTER
Chief Scientist

Chief Scientist will be responsible for overall center scientific leadership, reporting to the president and chief executive officer. We are seeking a visionary and proven science leader to broaden our marine research horizons. Ph.D. required, Alaskan experience preferred. For full position description, see our website: http://www.alaskasealife.org. Send curriculum vitae to: Dr. Ian Dutton at e-mail: ian_dutton@alaskasealife.org.

POSTDOCTORAL FELLOWSHIP POSITIONS
Department of Molecular Medicine
College of Medicine

The Department of Molecular Medicine within the University South Florida Health College of Medicine is seeking candidates for a Postdoctoral Fellow candidate in the laboratory of Dr. Robert Deschenes, Ph.D. in the Department of Molecular Medicine at the University of South Florida in Tampa, Florida. The research focuses on the molecular mechanisms of cancer cell signaling with an emphasis on posttranslational control and spatial distribution of Ras oncogene proteins. The Department of Molecular Medicine is comprised of biochemists, molecular biologists, microbiologists, and immunologists with expertise in genetic mechanisms of disease, structure-function relationships, microbial genetics and pathogenesis, and cellular and molecular immunology.

Applicants must have a Ph.D. at the time of employment in biochemistry, molecular biology, chemistry, or related areas. First-author publications in peer reviewed journals and experience with isolation and purification of membrane proteins, enzymology, and protein lipidation is desirable. Salary will be commensurate with experience and benefits are provided. Please submit a cover letter, curriculum vita, and three references to: Robert J. Deschenes, Ph.D., Chair, Department of Molecular Medicine, College of Medicine, University of South Florida, 12901 Bruce B. Downs Boulevard, MDC 7, TAMPA, FL 33612-4799, telephone: 813-974-8320, e-mail: rdeschen@health.usf.edu, website: http://molecularmedicine.health.usf.edu. Applications will be accepted until the position is filled.

University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Employer. For disability accommodations, contact Rachelle Morris at telephone: 813-974-8349 a minimum of five working days in advance. According to Florida law, applications and meetings regarding them are open to the public.

PROFESSOR
Pharmaceutical Sciences
Auburn University

The Department of Pharmaceutical Sciences at Auburn University’s Harsson School of Pharmacies invites applications for multiple 12-Month Tenure-Track Faculty Positions in pharmaceutical sciences and related disciplines. Individuals with expertise in drug metabolism, pharmacokinetics and drug delivery are of particular interest. These positions offer the opportunity to join an expanding enterprise in research in pharmaceutical and biomedical sciences. Successful candidates are expected to actively participate in the teaching mission of the Harsson School of Pharmacy at the graduate (Ph.D.) and professional (Pharm.D.) levels; develop and/or maintain an independent extramurally funded research program; be involved in collaborative research programs; demonstrate a high level of scholarly activity as evidenced by quality publications in peer-reviewed scientific journals and active participation in professional societies and contribute to Department, School and University service activities. Applicants must have a demonstrated interest in education of health professionals and graduate students. They must have a Ph.D. or equivalent degree, postdoctoral training and demonstrated research abilities. A professional degree in pharmacy is desirable but not essential. The successful candidate must meet eligibility requirements to work in the United States at the time the appointment is scheduled to begin and continue to work legally for the proposed term of employment; excellent communication skills required. Review of applications will begin April 1, 2009 and will continue until the positions are filled. Candidates should submit a letter of application, curriculum vitae, statements of research and teaching interests as well as the names and addresses (include e-mail address and phone number) of three-five references. Preferably applications should be submitted electronically to Ms. Kandi Dawson, e-mail: dawsokop@auburn.edu, fax: 334-844-8331.

Auburn University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN
ASSISTANT/ASSOCIATE/FULL PROFESSOR
Pharmaceutical Sciences
Auburn University

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Auburn University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

GRANTS
BRAIN TUMOR RESEARCH GRANTS

National Brain Tumor Society requests proposals focused on improving treatments and finding a cure. Standard Awards: $100,000 – $200,000 (one to two years); Advanced Awards: $600,000 (three years); Innovation Awards: $300,000 (two years); letter of intent deadline: April 30, 2009. For details and application packets, visit website: http://www.braintumor.org.

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