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From the journal: Science

AAAS

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SCIENCE VOL 330 26 NOVEMBER 2010 1257

POSITIONS OPEN

OPEN-RANK, TENURE-TRACK FACULTY POSITION IN BACTERIOLOGY
Department of Microbiology, Immunology, and Pathology
Colorado State University
Fort Collins, Colorado

The Department of MIP (website: http://www.cvmbs.colostate.edu/mip/) is seeking to fill an open rank tenure-track position in Bacteriology at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. This is an internal search for a scientist who will join a dynamic department working on fundamental, clinical and bio-security aspects of a range of bacteria (website: http://www.cvmbs.colostate.edu/ microbiotics/mip-jobs-bacteriologist.aspx). The department has strengths in: mycobacteriology, notably in tuberculosis and leprosy; Pseudomonas aeruginosa; Burkholderia pseudomallei; and Francisella tularensis. Studies of these pathogens are closely affiliated with the Mycobacteria Research Laboratories, the Rocky Mountain Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research, and the Rocky Mountain Regional Bioccontainment Laboratory. The new hire will reinforce and diversify the expertise in the Department based on her or his new areas of research. Candidates with the demonstrated promise or a history of establishing and maintaining a successful research program are being sought. We are particularly interested in individuals with research programs in drug development, resistance, and pathogenesis, but applicants in all areas of bacteriological research will be considered.

The successful candidate will participate in the MIP undergraduate, graduate, and professional training programs as appropriate, and will have multiple opportunities to collaborate and assume a leadership role in infectious disease research programs at Colorado State University (CSU). The exceptional research and teaching opportunities at CSU are enriched by the highly interactive and collaborative environment with world recognized Infectious Diseases programs and scientists on campus and the Centers for Disease Control laboratories on the CSU Foothills Campus.

Candidates must have the Ph.D., D.V.M., or M.D. degree and an established record of scholarly activity in bacteriology. Salary and startup package will be commensurate with experience and are negotiable.

More information concerning the position is available at website: http://www.cvmbs.colostate.edu/mip/Jobs/bacteriologist.aspx.

Applications will be accepted until the position is filled. However, evaluations of applications will begin on February 14, 2011. Candidates should electronically submit: a letter of application, curriculum vitae, and the names, mailing, and e-mail addresses of at least three references to:

Herbert P. Schweizer, Ph.D.
Chair of the Bacteriology Search Committee
E-mail: herbert.schweizer@colostate.edu

CSU is an Equal Opportunity/Affirmative Action Employer and conducts background checks on all final candidates.

PIADC BIOSAFETY OFFICER

This is an exciting opportunity for an experienced Biological Safety Officer to work at the U.S. Department of Homeland Security Plum Island Animal Disease Center (PIADC). PIADC is the Nation’s number one laboratory responsible for protecting livestock from foreign animal diseases. Scientists from both DHS and USDA work at this facility where they conduct basic and applied research to better understand foreign animal diseases, develop vaccines, and maintain and improve the Nation’s foreign animal disease diagnostic capabilities. We are seeking an energetic individual with proven experience in coordinating and guiding biological safety, radiation safety, and animal care programs to serve as a recognized authority regarding biological safety and biological containment in support of PIADC’s scientific mission.

Candidates must be U.S. citizens and hold a degree in biological sciences, agriculture, natural resource management, chemistry, or related disciplines appropriate to the position, or a combination of education and experience. Additional requirements are outlined on the website identified below. The selected applicant must successfully complete security background checks, including for Select Agents, and will be subject to random and applicant drug testing.

To apply for the vacancy, announcement and see a copy of the qualifications, please go to website: http://jobview.usajobs.gov and search for announcement number DHSHQ11-398615-ST. Applicants must address and respond specifically to the Knowledge, Skills, and Abilities (“KSAs”) criteria to be evaluated and considered for the position. This position has a salary range of $77,585–$119,935 per annum (GS-0401-12/13). Relocation costs may be paid. DHS is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE POSITION

A postdoctoral research position is available to perform research on Orthopoxviruses and protein based assay development and immunology. The Centers for Disease Control and Prevention, Poxvirus and Rabies Branch (NCEZID/DHCP/FRB) has begun development of panels of hybridomas previously generated against Orthopoxviruses including Variola, and will initiate screening of these clones to define virus specific monoclonal antibodies for use in immunological capture assays (e.g., ELISAs, LIAs). The research program has available preexisting resources and collections of Variola and related near-neighbor viral strains to develop, screen, and characterize hybridomas to identify monoclonal antibodies with specific reactivity to Variola and other Orthopoxviruses (PAN) of interest for diagnostic and detection potential. Specific tasks of the position will include; performing hybridoma screening to define clones with reactivity to Orthopoxviruses (PAN) and also those specific for Variola, the development of protein arrays using Orthopoxvirus genome cloning, and ongoing transcriptional expression of Orthopoxvirus proteins in vitro for sustained array production, pilot capture assays to define detection capacities of monoclonal antibodies and refine ELISA based format and for development of single assay detection. Detection assays, assess select monoclonal antibodies for protein specific reactivity using proteome microarrays and isolation of subsequently identified virus clones, and develop rapid assay formats using identified monoclonal antibodies for surveillance and detection. Reagents of interest will be used in biological studies of Orthopoxviruses. Previous experience in protein microarrays and antibody assays and assay development is desirable. Some experience in molecular biology and clonal expression is also desirable. Please submit an application directly to e-mails: kkarem@cdc.gov or volson@cdc.gov that includes current curriculum vitae, list of publications and awards, and contact information for five references.

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PIADC

Position: BIOSAFETY OFFICER

Responsibilities: To perform research on Orthopoxviruses and protein based assay development and immunology. The Centers for Disease Control and Prevention, Poxvirus and Rabies Branch (NCEZID/DHCP/FRB) has begun development of panels of hybridomas previously generated against Orthopoxviruses including Variola, and will initiate screening of these clones to define virus specific monoclonal antibodies for use in immunological capture assays (e.g., ELISAs, LIAs). The research program has available preexisting resources and collections of Variola and related near-neighbor viral strains to develop, screen, and characterize hybridomas to identify monoclonal antibodies with specific reactivity to Variola and other Orthopoxviruses (PAN) of interest for diagnostic and detection potential. Specific tasks of the position will include; performing hybridoma screening to define clones with reactivity to Orthopoxviruses (PAN) and also those specific for Variola, the development of protein arrays using Orthopoxvirus genome cloning, and ongoing transcriptional expression of Orthopoxvirus proteins in vitro for sustained array production, pilot capture assays to define detection capacities of monoclonal antibodies and refine ELISA based format and for development of single assay detection. Detection assays, assess select monoclonal antibodies for protein specific reactivity using proteome microarrays and isolation of subsequently identified virus clones, and develop rapid assay formats using identified monoclonal antibodies for surveillance and detection. Reagents of interest will be used in biological studies of Orthopoxviruses. Previous experience in protein microarrays and antibody assays and assay development is desirable. Some experience in molecular biology and clonal expression is also desirable. Please submit an application directly to e-mails: kkarem@cdc.gov or volson@cdc.gov that includes current curriculum vitae, list of publications and awards, and contact information for five references.

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University of Bern
Faculty of Science

Applications are invited for a full professorship in **Fundamental Astronomy/Space Geodesy** including the Directorate of the Astronomical Institute, opening 1 August 2011, at the Astronomical Institute, University of Bern, Switzerland ([http://www.aiub.unibe.ch](http://www.aiub.unibe.ch)). Candidates should have a strong research record in fundamental astronomy, e.g., space geodesy and astrodynamics in the broadest sense. Current research activities of the institute include space geodesy using GNSS and satellite laser ranging, gravity field determination and optical surveys for natural and artificial bodies in the solar system. Future research might be extended towards the study of the orbital and rotational motion of planets including their natural and artificial satellites, and to other planetary system bodies such as asteroids, and comets. The institute develops and operates the Zimmerwald Observatory. The successful candidate is expected to direct the institute's research activities, to attract external funding, and to actively participate in the teaching and supervision of Bachelor and Master students, as well as Ph.D. students.

The University of Bern particularly encourages women to apply for this position.

Applications including a curriculum vitae, a publication list, copies of the five most important publications, a brief outline of past and future research, and a list of external funds raised, should be sent either as a hard copy to Prof. S. Decurttins, Dean of the Faculty of Science, University of Bern, Sidlerstrasse 5, CH-3012 Bern, Switzerland, or as a single PDF-file via e-mail to: dekan@natdek.unibe.ch, by 31 January 2011.

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**Program Leader**

International Institute for Applied Systems Analysis (IIASA)

The International Institute for Applied Systems Analysis (IIASA, [www.iiasa.ac.at](http://www.iiasa.ac.at)), located near Vienna, Austria, is seeking a Program Leader for its Ecosystems Services and Management Program beginning spring 2011. The successful candidate will work closely with the Food and Water Area Leader and other Program Leaders to head a team of about 30 researchers with interdisciplinary backgrounds ranging from forestry and agriculture, geography and land use, to economics and mathematics. In addition to managing an annual budget of approx. EUR 3 million and promoting the development of externally funded research, the Program Leader will develop integrated methodologies, establish new applications and search for policy-relevant solutions to global and regional problems in the area of food and water security, use and ecosystems management as well as developing international and in-house cooperation and networks on land use, ecosystem services and food and water systems, plus other linked cross-cutting activities.

Candidates should combine a vision for IIASA’s Ecosystems Services and Management Program with scientific excellence, management and diplomatic skills, and broad experience in interdisciplinary research and policy applications in the international arena.

IIASA is nongovernmental, sponsored by an international consortium of 17 National Member Organizations. Applicants should have excellent written and spoken English, IIASA’s working language. The Institute’s management and staff alike are committed to a working environment that promotes equality, diversity, and tolerance.

An initial contract of 3 years will be offered with the possibility of extension. IIASA offers a competitive compensation and benefits package and salaries are exempt from taxation in Austria. Review of applications will begin immediately. To apply, e-mail a cover letter, CV, contact details of 3 work-related reference givers and copies of five key publications to:

Ms. Alia Harrison, Recruitment Officer
International Institute for Applied Systems Analysis (IIASA)
E-mail: harrison@iiasa.ac.at

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**Featured Employer**

**Faculty Position in Microbial Ecology at Arizona State University - Tempe, AZ**

The School of Life Sciences and The Biodesign Institute at Arizona State University (ASU) invite applications for a tenure-track position at the rank of Assistant Professor in the field of Microbial Ecology. We seek creative individuals who study basic aspects of microbial interactions with the biotic or abiotic environment using cutting-edge techniques, and who are motivated to develop an academic career at ASU. The successful candidate will be expected to develop an innovative, extramurally funded, independent research program, fulfill teaching requirements at both the undergraduate and graduate levels, mentor undergraduate, graduate and postdoctoral students and have a commitment to outreach and service at levels within and outside the University community. Preference will be given to candidates whose research complements existing areas of expertise in the School ([www.sols.asu.edu](http://www.sols.asu.edu)) and The Biodesign Institute ([www.biodesign.asu.edu](http://www.biodesign.asu.edu)). A competitive startup package and a teaching load compatible with high research productivity will be provided.

Candidates must have a doctoral degree in an appropriate field, and minimally one year of relevant postdoctoral experience at the time of appointment. Demonstrated teaching and research excellence is preferred.

To apply, send a cover letter, your curriculum vitae, three representative publications, separate statements of future research plans and teaching philosophy and interests, and arrange for three letters of reference to be sent to Ferran Garcia-Pichel, Chair, Microbial Ecology Faculty Search Committee, School of Life Sciences, PO Box 574501, Tempe, AZ 85287-4501. Electronic applications sent as PDF files to solsfacultysearch@asu.edu are preferred. The initial closing date for receipt of applications is January 17, 2011; applications will be reviewed weekly thereafter until the search is closed. A background check is required for employment. For additional information on this position and the School of Life Sciences, please visit [http://sols.asu.edu/jobs](http://sols.asu.edu/jobs).

Arizona State University is an Affirmative Action, Equal Opportunity Employer committed to excellence through diversity. Women and minorities are encouraged to apply.
Faculty Position in Metabolic and Vascular Biology at Arizona State University - Tempe, AZ

The School of Life Sciences and The Biodesign Institute at Arizona State University (ASU) invite applications for a tenure-track position at the rank of Assistant Professor in the area of Metabolic and Vascular Biology. We seek individuals who will join in the mission to unravel the mechanisms underlying insulin resistance, obesity, vascular disease, and type 2 diabetes mellitus. This position is part of a major expansion in the life sciences at Arizona State University, and tied to the Mayo Clinic/ASU Center for Metabolic and Vascular Biology at ASU and the Mayo Clinic Scottsdale.

The successful candidate will be expected to develop an innovative, extramurally funded, independent research program, fulfill teaching requirements at both the undergraduate and graduate levels and have a commitment to outreach and service at levels within and outside the University community. The successful candidate will be expected to mentor undergraduate, graduate and postdoctoral students and interact in the multidisciplinary Center for Metabolic and Vascular Biology. A competitive startup package and teaching load compatible with high research productivity will be provided.

Candidates must have a doctoral degree in a related discipline at the time of appointment, and at least two years of relevant postdoctoral research experience. Preferred areas of expertise are functional genomics or proteomics, phenotyping and characterizing mouse models, and generation and use of such models to address questions of altered gene expression or insulin signaling in insulin resistance. Research areas could include the role of inflammatory response, lipids, or mitochondrial dysfunction in insulin resistance. Demonstrated teaching and research excellence is preferred.

To apply, send a cover letter, your curriculum vitae, three representative publications, separate statements of future research plans and teaching philosophy and interests, and arrange for three letters of reference to be sent to Josephine Clark-Curtiss, Co-Chair, Immunology Faculty Search Committee, School of Life Sciences, PO Box 874501, Tempe, AZ 85287-4501. Electronic applications sent as PDF files to solsfacultysearch@asu.edu are preferred. The initial closing date for receipt of applications is January 17, 2011; applications will be reviewed weekly thereafter until the search is closed. A background check is required for employment. For additional information on this position and the School of Life Sciences, please visit http://sols.asu.edu/jobs.

Arizona State University is an Equal Opportunity Employer committed to excellence through diversity. Women and minorities are encouraged to apply.

Faculty Position in Immunology at Arizona State University - Tempe, AZ

The School of Life Sciences and The Biodesign Institute at Arizona State University invite applications for a tenure-track position at the rank of Assistant Professor in the area of Immunology. We seek imaginative, creative individuals with motivation to provide basic understanding of basic immunology and the immunological mechanisms by which animal hosts deal with pathogens. The successful candidate will be expected to develop an innovative, extramurally funded, independent research program, fulfill teaching requirements at both the undergraduate and graduate levels and have a commitment to outreach and service at levels within and outside the University community. The successful candidate will be expected to mentor undergraduate, graduate and postdoctoral students, and interact in the multidisciplinary consortium of faculty in the Center for Infectious Diseases and Vaccinology (http://evd.biodesign.asu.edu) in The Biodesign Institute. There are no preferences as to the aspects (mucosal, systemic or cellular) of the immune system selected for study. However, preference will be given to applicants who have interests that complement expertise of existing faculty and who will expand our overall research and instructional capabilities. A competitive startup package and a teaching load compatible with high research productivity will be provided.

Candidates must have a doctoral degree in an appropriate field at the time of appointment and two or more years of relevant postdoctoral experience. Demonstrated teaching and research excellence is preferred.

To apply, send cover letter, your curriculum vitae, three representative publications, separate statements of future research plans and teaching philosophy and interests, and arrange for three letters of reference to be sent to Lawrence Mandarino, Chair, Metabolic Biology Search Committee, School of Life Sciences, PO Box 874501, Tempe, AZ 85287-4501. Electronic applications sent as PDF files to solsfacultysearch@asu.edu are preferred. The initial closing date for receipt of applications is January 17, 2011; applications will be reviewed weekly thereafter until the search is closed. A background check is required for employment. For additional information on this position and the School of Life Sciences, please visit http://sols.asu.edu/jobs.

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Faculty Positions in Genomics at Arizona State University - Tempe, AZ

The School of Life Sciences and The Biodesign Institute at Arizona State University invite applications for three tenure-track faculty positions at the level of Assistant Professor in the area of Genomics. We seek outstanding candidates who employ an integrated approach to address fundamental principles in the development, evolution, characterization and diagnosis of health-related disorders. Methods can include theoretical and empirical approaches in population genetics, functional and comparative genomics, bioinformatics, and experimental studies. Successful candidates will be expected to develop an innovative, extramurally funded, independent research program, fulfill teaching requirements at both the undergraduate and graduate levels, mentor undergraduate, graduate and postdoctoral students and have a commitment to outreach and service at levels within and outside the University community. A competitive startup package and teaching load compatible with high research productivity will be provided.

Arizona State University has made a commitment to accelerating the translation of basic discoveries into practical benefits for society through the construction of state of the art research facilities and the recruitment of world-class faculty. Successful candidates would participate in a university-wide health initiative supported by core facilities for functional genomics and next generation sequencing, functional proteomics, high throughput cellular screen, bioinformatics, high performance computing, and imaging. More information on genomic research opportunities at ASU can be found at http://genomics.asu.edu.

Candidates must have a Ph.D. (or equivalent) in an appropriate field, and a minimum of 2 years of postdoctoral training is preferred. Demonstrated teaching and research excellence is preferred.

To apply, send cover letter, your curriculum vitae, three representative publications, separate statements of future research plans and teaching philosophy and interests, and arrange for three letters of reference to be sent to Alan Rawls, Chair, Genomics Faculty Search Committee, School of Life Sciences, PO Box 874501, Tempe, AZ 85287-4501. Electronic applications sent as PDF files to solsfacultysearch@asu.edu are preferred. The initial closing date for receipt of applications is January 17, 2011; applications will be reviewed weekly thereafter until the search is closed. A background check is required for employment. For additional information on this position and the School of Life Sciences, please visit http://sols.asu.edu/jobs.

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Nontraditional Careers:
Opportunities Away From the Bench

Webinar

Want to learn more about exciting and rewarding careers outside of academic/industrial research? View a roundtable discussion that looks at the various career options open to scientists across different sectors and strategies you can use to pursue a nonresearch career.

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Director of Postdoc Services,
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President
Cambridge BioPartners

Dr. Marion Müller
Director, DFG Office North America
Deutsche Forschungsgemeinschaft
(German Research Foundation)

Richard Weibl
Director, Center for Careers in Science and Technology
American Association for the Advancement of Science

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VACANCY

General Director
NIOZ Royal Netherlands Institute for Sea Research invites applications and nominations for the position of General Director

Job description and requirements
- You will initiate, stimulate and lead the scientific programme of NIOZ at the frontiers of science and technology. You must enjoy an international reputation in the oceanographic or related sciences in combination with first-rate management skills.
- You think strategically, you will be a visionary when it comes to marine and oceanographic research, and you will possess the initiative and diplomatic qualities needed to turn this vision into a coherent and feasible long-term research programme.
- You can operate in a complex and varied national and international network. You have proven capabilities to build, maintain and productively use this network in an effective way. You act as a representative of the institute in general, promoting the institute’s interests at policy-making bodies.
- You will initiate and stimulate national and international initiatives to raise funds for research at the institute.
- You are responsible for the dissemination of scientific, marine and oceanographic knowledge for a better understanding and sustainable use of our planet. You have a natural talent for communicating results to the general public.
- You are responsible for the integral management of the institute, including its position as the national Marine Research Facility.
- You will report and be accountable to the Board of NIOZ.

Employment conditions
This is a full-time position, location Texel, the Netherlands. You will be employed by NIOZ. The initial appointment will be for five years, with the possibility of extension for another 5 years. The salary is in accordance with the Dutch regulations on salaries in public management. NIOZ offers good fringe benefits.

Information
For more information about the position of General Director please contact the chair of the Scientific Committee of NIOZ, Prof. Will De Ruijter, +31 623888444 or w.p.m.deruijter@uu.nl. For procedural information please contact Mr. Jos Lensen of the NWO HRM Department, +31 70 344 0685 or j.lensen@nwo.nl.

Application
This post is open to qualified applicants of all nationalities. A letter of application with a full curriculum vitae (by email as well as by mail) should be sent to HRM@nwo.nl and to NWO HRM Department, P.O. Box 93138, 2509 AC The Hague, Netherlands. Initial consideration will be given to applications received by December 20, 2010.

For more information see www.nioz.nl and www.nwo.nl.

NIOZ Royal Netherlands Institute for Sea Research is the Dutch national marine and oceanographic institute. It is one of the world’s leading marine research centres; research involves studies within the traditional disciplines as well as multidisciplinary studies in physical oceanography, marine chemistry, biogeochemistry, molecular biology, microbiology, ecology and geology. The main division of the institute is located on the island of Texel.

The scientific staff consists of some 140 researchers (PhD students and post docs included) NIOZ employs 160 support staff in laboratories, technical departments and on research vessels. The annual budget of NIOZ is approximately € 30m.

NIOZ participates in numerous national and international scientific collaborations (universities, scientific institutes and scientific organizations). The institute also contributes significantly to marine education in the Netherlands and Europe.
AAAS is here – helping scientists achieve career success.

Every month, over 400,000 students and scientists visit ScienceCareers.org in search of the information, advice, and opportunities they need to take the next step in their careers.

A complete career resource, free to the public, Science Careers offers a suite of tools and services developed specifically for scientists. With hundreds of career development articles, a grants and scholarships database, webinars and downloadable booklets filled with practical advice, a community forum providing real-time answers to career questions, and thousands of job listings in academia, government, and industry, Science Careers has helped countless individuals prepare themselves for successful careers.

As a AAAS member, your dues help AAAS make this service freely available to the scientific community. If you’re not a member, join us. Together we can make a difference.

To learn more, visit aaas.org/plusyou/sciencecareers
Post-Doctoral Fellowship Programme:

UCB seeking world-class post docs to lead pioneering research projects.

UCB, a global biopharmaceutical leader focusing on central nervous system and immunological disorders, is currently seeking leading-edge scientists to join our post doctoral programme based at research centres in Belgium and the UK*.

UCB is a patient-centric biopharmaceutical company dedicated to the research, development and commercialization of innovative medicines. Already the leader in epilepsy, UCB is committed to providing novel solutions for people with severe conditions such as Parkinson’s disease, rheumatoid arthritis, and restless legs syndrome. Employing more than 9,000 people in over 40 countries, UCB produced revenues of €3.1 billion in 2009. UCB’s Research & Development organization has brought medicines such as Zyrtec®, a leading allergy medication, Keppra®, an antiepileptic drug with over 4.1 million patient years’ experience, and Cimzia®, the only PEGylated anti-TNF (Tumor Necrosis Factor) for the treatment of autoimmune diseases, to patients around the world.

UCB NewMedicines is UCB’s discovery research to clinical proof-of-concept organization charged with building a rich pipeline of differentiated molecules by channeling exquisite science for industry-beating performance. Our research centres are home to a wealth of internal skills and experience in our chosen therapeutic areas, allied to unique and proprietary technology platforms. Our highly effective networks with leading academic and industrial partners ensure access to novel technologies, targets and collaborative services. Our intellectual and scientific capability is evidenced not only by our record of proven delivery but also by the impressive publication record of our scientists in leading journals – for a list of some of UCB’s recent publications please visit www.ucb.com/Research&Development.

Our post doctoral scientists will be at the forefront of UCB’s cutting edge scientific activities, mentored by UCB’s scientific experts on specific projects and regularly interacting with UCB’s scientific leadership team. They will be offered extensive opportunities to participate in UCB’s broader scientific discussions and debates, actively encouraged to regularly present their research and achieve external publication in eminent scientific journals.

If you want to develop your career with a global leader and contribute to our outstanding record of achievement please view the post-doctoral opportunities available through our 2011 programme. Further details on the specific projects for which we are recruiting and details of how to apply are available at www.ucb.com/Research&Development.

*Brussels (BE) and Slough (UK)
The Department of Medicine/Division of Infectious Diseases and Geographic Medicine at Stanford University is recruiting for three positions at the Assistant Professor or Associate Professor levels to contribute to the research, clinical, and educational activities of the Division. The faculty positions are in the University Tenure Line. Candidates with research programs in all areas of Infectious Diseases will be considered. Those with research programs in Immunology or Global Health are especially encouraged to apply.

Candidates should be board certified in Infectious Diseases. Recruits will be expected to develop a laboratory-based investigative program at Stanford. We anticipate that for each individual’s effort, 70% - 80% will focus on research with 20% - 30% distributed between clinical and teaching activities. Independent grant funding, publication record, and programmatic synergy with members of the Division will be considered. The Division of Infectious Diseases and Geographic Medicine benefits from an outstanding scientific and clinical environment at Stanford, including collaborations with colleagues in Microbiology and Immunology, Genetics, Bioengineering, Stanford Institute for Immunity, Transplantation, and Infection, the Stanford Cancer Center and the Woods Institute for the Environment.

The overriding requirement for faculty appointment, reappointment and promotion within the UTL must be distinguished performance, or (in the case of junior faculty) the promise of distinguished performance. There should be a major commitment to research and teaching. There must be outstanding accomplishments in research and excellent overall performance in teaching, as well as in clinical care and institutional service appropriate to the programmatic need the individual is expected to fulfill.

Candidates should submit a detailed letter of interest, curriculum vitae, and three letters of recommendation to: David Relman M.D., Chair of Search Committee, Stanford University School of Medicine, 300 Pasteur Drive, MC: 5107, Stanford CA 94305-5107. Applications received by February 15, 2011 will be given full consideration; applications will be considered on a rolling basis until the positions are filled.

Stanford University is an Equal Opportunity Employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and application from women and members of minority groups, as well as others who would bring additional dimensions to the university’s research, teaching and clinical missions.

The Nicholas School of the Environment in Tropical Ecology
November 2010

The Nicholas School of the Environment (NSOE) at Duke University will make a tenure-track appointment for an Assistant Professor in tropical ecology. This position builds on Duke’s strengths in ecological, environmental, and biological sciences and seeks to attract an outstanding faculty member who will engage in and facilitate multidisciplinary interactions across the NSOE and other units on campus such as Biology, Evolutionary Anthropology, the Nicholas Institute for Environmental Policy Solutions, the Organization for Tropical Studies, and the Global Health Institute. The successful applicant will carry out research at the interface of tropical ecology, ecosystem function, and the rapid and imposing changes now ongoing across nearly all of the tropics, as well as contribute to the NSOE’s curricula at the undergraduate, professional master’s, and doctoral levels.

Consideration of applications will begin immediately and continue until the position is filled. Applications should include a full CV, and statements of research and teaching goals (all in one PDF file), and three letters of reference. Applications should be forwarded to Laura Turcotte (ljturco@duke.edu).

The Nicholas School and Duke University are committed to equal opportunity in employment. Applications are strongly encouraged from members of underrepresented populations.
**IST Austria is looking for**

**Professors and Assistant Professors**

IST Austria (Institute of Science and Technology Austria) is a new Institute located on the outskirts of Vienna, dedicated to cutting-edge basic research. The Institute invites applications and nominations for Professors and Assistant Professors in all fields of the natural sciences and related disciplines. Outstanding scientists in the Physical Sciences, Neurosciences, and Mathematics are especially encouraged to apply.

The Institute, established by the Austrian Government, opened its campus in 2009. Its funding is substantial, allowing for over 500 employees and graduate students by 2016. IST Austria is entitled to award PhD degrees and includes an English-language Graduate School. It aims to achieve an international mix of scientists and recruits them solely on the basis of their individual excellence and potential contribution to research. The Institute is recruiting leaders of independent research groups. Professors have indefinite contracts and Assistant Professors have fixed-term contracts for an initial period of five years, with a possible, but not automatic, renewal for two additional years. Before the end of this period, the scientist will be considered for an indefinite appointment as a Professor at IST Austria, the decision being based on merit only (as is the case for a “Tenure-Track Assistant Professor” at US universities). The selected candidates will receive a competitive salary and a substantial annual research budget, covering operating expenses and the cost of PhD students, postdoctoral fellows, and technical staff. Additional costs of starting a new laboratory, including instruments and infrastructure, will be offered separately. Scientists are also expected to apply for external research grants.

Applications or nominations to: professor@ist.ac.at or assistant.professor@ist.ac.at (depending on position). Applications must include a CV, list of publications, and research plan. Nominations should include an appraisal of the achievements and scientific qualifications of the nominee. IST Austria is committed to Equality and Diversity. In particular, female researchers are encouraged to apply. More information: www.ist.ac.at

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**Modeling and Simulations in Biology Professor**

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island’s scenic North Shore. Our 1,100-acre campus is home to 24,000 undergraduates, graduate students, and faculty members, as well as 13,500 academic, health, and student employees. The University is a member of the prestigous Association of American Universities and co-manager of the nearby Brookhaven National Laboratory (BNL).

Stony Brook University's Department of Applied Mathematics and Statistics is seeking a modeling and simulations in biology professor. This new tenure-track or tenured faculty position is anticipated for Fall 2011.

Research areas of interest include those in which mathematics, theory, and computation meet biology. For example, systems biology, bioinformatics, computational genomics, and computational structural biology.

For a full position description, application procedures, and/or to apply online, visit www.stonybrook.edu/jobs (JOBS Reference #6-573-10-11).

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**Assistant/Associate/Full Professor**

**Faculty Position in Infectious Diseases Research**

**Tenure/Tenure Track Faculty, 9-Month Appointment**

**(80% Research and 20% Teaching)**

**Position Number 103761**

The Virginia-Maryland Regional College of Veterinary Medicine at the University of Maryland-College Park, MD, invites applications from the qualified individuals for a tenured/tenure-track faculty position in Immunology of Infectious Diseases and Microbial Pathogenesis. This 9-month appointment will be at the Assistant, Associate or Full Professor level, depending on the qualifications of the selected candidate. The Department has an excellent core facility, which includes BSL-2 and BSL-3 suites.

**QUALIFICATIONS:** A DVM/PhD or PhD degree with relevant postdoctoral training.

**RESEARCH:** Current focus is on host-pathogen interaction with emphases on virology, immunology, microbial pathogenesis, epidemiology, and public health. The position requires the candidate to focus on host immunity/host-pathogen interactions with importance for human and animal health, zoonosis and public health. The selected candidate will be expected to develop, maintain, and conduct a productive, extramurally funded research program that will strengthen the current research goals of the College. Applicants at the Associate/Full Professor level are expected to have an established, extramurally-funded research program and a strong publication record. The selected candidate will also be expected to develop and maintain active and productive collaborations, both within and outside the College. Excellent opportunities exist for collaboration with federal agencies (USDA, FDA, NIH) and other University departments.

**TEACHING:** Active participation in the University’s Graduate Program will be required, including mentoring of graduate students and serving on student advisory committees. The selected candidate will be responsible for the development of one graduate course to be included in the current veterinary medicine curriculum. This new course will be developed in conjunction with active participation on the college’s current teaching objectives and mission goals. Salary will be commensurate with rank and experience.

**TO APPLY:** Applications are accepted through https://jobs.umd.umd.edu (sort for position number 103761). Required are (1) cover letter, (2) CV, (3) statement of research interests and plans, (4) statement of teaching philosophy and (5) three reference letters. For best consideration, applications should be received by January 31, 2011, or until a suitable candidate is identified.

**THE UNIVERSITY OF MARYLAND IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER WOMEN AND MINORITIES ARE ENCOURAGED TO APPLY.**
Science Careers is the window that displays your vision.
Revealing your vision to employers is our job. We're your source for connecting with top employers in industry, academia, and government. We're the experts and entry point to the latest and most relevant career information across the globe.

Our newly designed website offers a set of tools that reveal career opportunities and your personal potential. Whether you're seeking a new job, career advancement in your chosen field, or ways to stay current on industry trends, Science Careers is your window to a limitless future.

**Improved Website Features:**
- Relevant Job E-mail Alerts
- Improved Resume Uploading
- Content Specific Multimedia Section
- Facebook Profile

**Job Search Functionality:**
- Save and Sort Jobs
- Track Your Activity
- Search by Geography
- Enhanced Job Sorting

Your Future Awaits.
POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSOR of Science Teacher Education
University of Nebraska-Lincoln

POSITION—The University of Nebraska-Lincoln (UNL) College of Agricultural Sciences and Natural Resources (CANSR) seeks to fill a tenure-track or tenured position as part of a campus-wide initiative to enhance science teacher education and science education outreach. This position will be one of three cluster hires that will be key to the development of a nationally recognized program of excellence promoting interdisciplinary scholarship focused on the recruitment, education, and retention of outstanding secondary science teachers. The NU-Teach initiative is a partnership among the College of Education and Human Sciences, Natural Resources, Arts and Sciences, and Education and Human Sciences. For more information on the departments, colleges, and Centers affiliated with this initiative, see website: http://nuteach.unl.edu.

The position, to be associated with tenure houses in Agronomy and Horticulture, Biochemistry, Entomology, Food Science and Technology, Plant Pathology, and/or the School of Natural Resources, is anticipated to focus on research and/or outreach activities related to student learning in science, particularly in relation to recruitment, education, or retention of future science teachers. The anticipated start date for the position is January 2012. UNL is a land-grant institution with a strong commitment to research, teaching, outreach, and service. UNL is a Carnegie Foundation “high research activity” university and an AAU member.

QUALIFICATIONS—Successful candidate must have a Ph.D. or equivalent in a field of life, agricultural, or natural resources sciences and/or education. Preference will be given to applicants with a record of scholarly activity, demonstrated potential for developing an externally funded research program, and expertise in the teaching of science content or pedagogy to all students.

DUTIES AND RESPONSIBILITIES—Teaching duties will include graduate and undergraduate courses appropriate for the home department, including courses that promote recruitment, training, and/or retention of science teachers. The successful candidate will develop a nationally recognized and externally funded research program, and work with faculty across the entire campus to move UNL to a position of national leadership in science education.

RANK/SALARY/BENEFITS—Assistant or Associate Professor, with full-time appointment from July 1. Competitive and commensurate with qualifications and experience. UNL offers a benefits package that makes available: group life, health, disability insurance and family coverage programs; TIAA/CREF and Fidelity Investment fund and retirement plans; and dependent tuition remission.

APPLICATIONS—To be considered for this position, go to website: http://employment.unl.edu, search for requisition number 100765 and complete the faculty academic administrative information form. Applicants should attach curriculum vitae; a statement of research and teaching interests (other document); contact information for three references; and a personal statement, which should also identify a potential CANSR home department (letter of application). Candidates should also arrange for three letters of reference to be submitted electronically to Linda Arnold (e-mail: lamold1@unl.edu). Review of applications will begin January 21, 2011, and continue until search is filled or the search is closed.

The University of Nebraska has an active National Science Foundation ADVANCE gender equity program and is committed to a pluralistic campus environment that affirms and supports diversity, equal opportunity, work-life balance, and dual careers.

FACULTY POSITION IN NEUROSCIENCE
Department of Physiology & Biophysics And Washington National Primate Research Center University of Washington

The Department of Physiology & Biophysics at the University of Washington and the Washington National Primate Research Center announce a search for a full-time faculty member. Appointment at the ASSISTANT PROFESSOR level tenure-track is preferred but ASSOCIATE PROFESSOR will also be considered, if appropriate. University of Washington faculty engages in teaching, research, and service. We seek an individual (Ph.D. and/or M.D.) with research interests and demonstrated scholarly achievements in the field of primate neurosciences. The new faculty member will be expected to establish a vigorous research program and participate in teaching of graduate and professional students. For information about the Department, see our website: http://depts.washington.edu/phbio/page. The new faculty member will also be appointed Core Staff Scientist in the Washington National Primate Research Center.

Application packages should be submitted electronically to the above website. Candidates applying for the position will be asked to prepare a curriculum vitae and a description of research accomplishments and plans and have three letters of reference sent to: Neuroscience Search Committee, Department of Physiology & Biophysics, Box 357290, University of Washington, Seattle, WA 98195-7290. Review of applications will begin on December 1, 2010, and continue until the position is filled.

The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF BIOCHEMISTRY
Western Michigan University
Department of Chemistry

The Department of Chemistry at Western Michigan University has an available tenure-track faculty position at the rank of Assistant Professor with specialization in Biochemistry that will begin in August 2011 pending budgetary approval. Successful candidates are required to have a Ph.D. degree in Chemistry, good oral and written communication skills, and need to demonstrate a potential for excellence in teaching and externally funded research. Candidates will be expected to maintain an active research program, and produce other faculty-related activities such as supervision of graduate and undergraduate research. Candidates with demonstrated ability to advise graduate students are encouraged to apply. The University has an available tenure-track faculty position at the rank of Assistant Professor. Other duties will include advising graduate and undergraduate students and serving on department, college, and university committees. Modern laboratory facilities as well as a generous startup package for qualified applicants are available. Applicants should be a Ph.D. or equivalent degree in a related discipline, and be a dynamic, fast-paced team focused upon discovery and seek motivated applicants with a Ph.D. and/or M.D. degree with training in neurobiology, molecular biology, and/or genetics. Experimental skills in neuronal cell culture, protein translation, histone modification, and/or iPSC cell culture would be useful. Send curriculum vitae and contact information for three references to e-mail: christi.bell@wmich.edu. For more information, Dr. Ricardo A. Feldman at chem-search@wmich.edu.

POSTDOCTORAL POSITION
Department of Human Genetics
Eumy Colleageen of Medicine

Postdoctoral position open in the laboratory of Dr. Stephen Warren for a talented, creative, and scientifically adventurous individual with documented research accomplishments and bench skills. Our work covers all aspects of Fragile X syndrome, a common inherited cause of cognitive deficiency and autism (see website: http://genetics.emory.edu). We operate as a dynamic, fast-paced team focused upon discovery and seek motivated applicants with a Ph.D. and/or M.D. degree with training in neurobiology, molecular biology, and/or genetics. Our laboratory is using patient-derived reprogrammed cells to elucidate the molecular mechanisms underlying autism and to develop stem cell-based therapy. The candidate should have a Ph.D., experience in Cell/Molecular Biology, excellent oral and written communication skills, and be able to work independently. Experience in hES/iPS cell technology and hematopoietic/neuronal development is desirable. Salary is commensurate with experience. To apply, send curriculum vitae and contact information for three references to Dr. Ricardo A. Feldman at e-mail: rfeldman@u.washington.edu.

PETER BUCK FELLOWSHIPS—Smithsonian National Museum of Natural History

The Smithsonian National Museum of Natural History (NMNH) offers the Peter Buck Fellowship Program, which will offer POSTDOCTORAL and GRADUATE FELLOWSHIPS to those wishing to work with NMNH curators. Postdoctoral Fellowships are two to three years in duration, Graduate Fellowships one to two years. Information for Postdoctoral and Graduate applicants is given at website: http://www.si.edu/ofg/. The next application deadline will be January 15, 2011. Peter Buck Fellowships are open to citizens of any country.
The Bodossaki Aristeio was instituted to honour scientists of Greek descent whose lifelong track records are internationally recognized for outstanding achievements that contributed greatly to the advancement of their respective fields. The Aristeio is awarded every two years and is accompanied by a prize of €150,000.

The Board of Trustees of the Bodossaki Foundation, at its October 2010 meeting, accepted the recommendation of the International Aristeio Committee that the 2011 Aristeio should be shared equally by two outstanding clinical investigators, namely Professor Haralampos Moutsopoulos, of Athens University Medical School for providing significant insights into the pathogenesis of autoimmune systemic rheumatic disorders and Professor George Chrousos, of the Athens University Medical School for his pioneering studies on stress pathophysiology and the mechanisms regulating the hypothalamic-pituitary-adrenal axis.

US-EC Course in Environmental Biotechnology
'Microbial Catalysts for the Environment'
July 9-23, 2011 in Lausanne, Switzerland

The University of Lausanne will be the site for the 2011 International Course on Environmental Biotechnology, under the auspices of the EC-US Working Group on Biotechnology for the Environment. This course will be built on the success of the three previous courses in training early career scientists in the state-of-the-art theoretical and practical aspects of microbial environmental biotechnology.

The central topic of the course is 'Microbial Catalysts for the Environment', the concept to identify and select microbial strains suitable for environmental application such as bioremediation or bioreporting. The course program consists of two weeks of hands-on experimental work with two daily lectures on closely related topics in environmental microbiology or biotechnology. Course experiments and techniques will include on site catabolic chip analysis, total community analysis, bioaugmentation and catalyst survival, transcriptomics and/or quantitative real-time PCR, plus bioreporter and bioavailability analysis. Instructors for the course will be from the international European Framework research consortium BACSIN, with special lectures by professors from both US and EC.

The course is limited to 24 students at the level of studying for a PhD degree or in the early phase of a postdoctoral study, with 12 from each side of the Atlantic. Applications can only be accepted from students working in the United States or one of the European Member States and Associated Countries at the time of application, or from students having a citizenship of one of those countries.

Acceptance to the course and for the course fellowship will be made on the basis of application documents and recommendation letters, submitted via the course online system. Submission of applications will be open from January 1, 2011 until February 28, 2011. Course participants will be informed by April 4, 2011.

Course organization: Jan Roelof van der Meer, University of Lausanne
FACULTY POSITION in Sustainability (cross-disciplinary)  
Northwestern University

Northwestern University invites applications for a tenure-track faculty position in sustainability. Sustainability is defined broadly to include energy and natural resource supply and consumption, environmental science and technology, Earth and climate science, and their complex interrelationship with economic, political, and social issues. The successful candidate should have a Ph.D. in a relevant field, and have achieved excellence in research and teaching and recognition in the profession consistent with the rank of Associate or Full Professor in appropriate department(s). The candidate is expected to build a significant program in sustainability that complements other strengths in the McCormick School of Engineering and Applied Sciences and the Weinberg College of Arts and Sciences, and builds bridges to policy study in the College and the Kellogg School of Management. Applicants should submit curriculum vitae, a description of research plans and teaching interests, and the names and contact information of three references to website: http://facposition.northwestern.edu/sustainability/. The search committee will begin reviewing applications starting December 31, 2010. Questions may be directed to e-mail: mcc_sustainabilitysearch@northwestern.edu.

Northwestern University is an Equal Opportunity/Affirmative Action Employer. Qualified women and minorities are encouraged to apply. It is the policy of Northwestern University not to discriminate against any individual on the basis of race, color, religion national origin, sex, sexual orientation, marital status, age, disability, citizenship, veteran status, or other protected group status. Hiring is contingent upon eligibility to work in the United States.

TENURE-TRACK ASSISTANT PROFESSOR  
Analytical Chemistry  
Georgetown University

Georgetown University wishes to recruit a tenure-track Assistant Professor in Analytical Chemistry to begin fall 2011. Areas of research are open and should be complementary to existing research directions in the department. Candidates must have a Ph.D. degree in chemistry or a closely related field and postdoctoral training or equivalent is desirable. Development of an internationally recognized research program and teaching at the undergraduate and graduate levels are expected. Please send curriculum vitae, description of research plans, statement of teaching philosophy, and arrange for three letters of recommendation to be sent to: Faculty Search Committee, Department of Chemistry, Georgetown University, Box 571227, Washington, DC 20057-1227. For full consideration, complete applications should arrive before January 15, 2011. Georgetown University is an Affirmative Action/Equal Opportunity Employer; applications from qualified women and minority candidates are encouraged.

Get your career questions answered.  
Careers Forum  
www.ScienceCareers.org