Nebraska Water Center Director

The University of Nebraska is seeking a dynamic and creative leader to be the Director of the Nebraska Water Center in the Robert B. Daugherty Water for Food Institute (WFI) at the University of Nebraska. The Director will provide leadership for Water Center programs and will be part of WFI’s senior management team. The Directorship is a 12-month, full-time position, and faculty rank and tenure will be available to candidates with a terminal degree and appropriate academic accomplishments. However, faculty appointment is not essential for the successful candidate. Duties will include administering all programs of the Nebraska Water Center; catalyzing new research and education initiatives; leading communication campaigns; and interacting with water resource stakeholders. The successful candidate will also be expected to develop a research, extension, or teaching program in the Institute of Agriculture and Natural Resources that complements the mission of the Nebraska Water Center.

To succeed in this position you will need an advanced degree, preferably a Ph.D., in a relevant discipline, including but not limited to agricultural, environmental, or water resources science; engineering; law; or policy. Preference will be given to candidates with knowledge and experience related to managing water resources at both state and regional levels; demonstrated management, organizational, and interpersonal skills; and excellent verbal and written communication skills. The position will require travel.

The Nebraska Water Center is part of a national network of Water Resources Research Institutes serving Nebraskans and the nation. The Center implements and facilitates water and water-related research, extension, teaching and public outreach programming within the University of Nebraska system. The Nebraska Water Center recently became part of the Water for Food Institute which was established in 2010 with a $50 million founding gift commitment from the Robert B. Daugherty Charitable Foundation. The WFI will conduct research, policy analysis and educational programs on the efficiency and sustainability of water use in agriculture, the quantity and quality of water resources, and the human issues that affect the water decision-making process. Additional information on the position and the University of Nebraska can be found at: http://waterforfood.nebraska.edu, http://watercenter.unl.edu and http://unl.edu.

To apply for this position, access the web site: http://employment.unl.edu, search for requisition number 120142, and complete the faculty academic administrative information form. Attach a 1-2 page letter of application detailing your relevant experience and how it fits with the vision of the Nebraska Water Center, curriculum vitae, and contact information for three professional references that must include mailing address, phone number, and e-mail address. Review of applications will begin June 22, 2012 and will continue until the position 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 community through affirmative action, equal opportunity, work-life balance, and dual careers.
Post-Doctoral Fellow

A postdoctoral position is available in the Tulane University Department of Pharmacology to conduct NIH-funded research on estrogen receptor signaling, the renin-angiotensin system, and hypertension. The laboratory of Dr. Sarah Lindsey takes an integrative approach by utilizing an in vitro cell culture system, an ex vivo isolated resistance vessel preparation, and in vivo analysis of rodent models. The Post Doc will independently conduct experiments to determine the effect and mechanisms of action of vasoactive drugs on mesenteric arteries. The Post Doc should be familiar with a variety of approaches including isolation of arteries, calcium imaging, histology and immunofluorescence, cell isolation and culture, and Western blotting. Applicants should have a strong background in cardiovascular sciences and preference will be given to individuals with experience handling isolated microvessels and/or culturing vascular smooth muscle or endothelial cells.

Requirements: M.D. or D.V.M or Ph.D. or equivalent degree with a strong background in cardiovascular biology research.

Additional Information: Salary and benefits are commensurate with NIH guidelines. Applications should include a brief cover letter highlighting the applicant’s research experience and interests, along with full curriculum vitae and the names and contact information of 3 references.

Please submit full curriculum vitae and names of three references via email to: Sarah Lindsay, Ph.D., Assistant Professor, Department of Pharmacology, Tulane University School of Medicine, 1430 Tulane Avenue, SL 83, New Orleans, LA 70112; lindsey@tulane.edu. http://tulane.edu/som/departments/pharmacology/lindsey.cfm. Please also include a letter that summarizes your future research plans. Review of applications will begin immediately and will continue until the position is filled.

Tulane University is an Affirmative Action and Equal Opportunity Employer. We invite Women and Minorities to apply.

GRANTS

5th Yamada Research Grant (Japan)

The Yamada Research Grant aims to promote the latest and highly original studies from multiple points of view in the fields of preventive medicine using bee products, natural products and honeybee science.

1. Eligible researchers:
   1) New research grant: For researchers or beekeepers who have never received the research grant from the Yamada Research Grant.
   2) Continuing research grant: For researchers or co-researchers who have previously received a research grant from the Yamada Research Grant.

2. Subject for research:
   1) New research grant:
      1) Preventive medical research. The following fields will be given a priority.
      A. Brain science, neuroscience, mental science
      B. Cardiology, gastroenterology, metabolomics (metabolic syndrome, Type 2 diabetes, etc.)
      C. Immunology (cancer, allergy, etc.)
      D. Otorhinolaryngology, ophthalmology, stomatology
      E. Anti-aging medicine (skin, derma, bones, muscles, etc.) or longevity
   2) Continuing research grant:
      Progressive research of the theme done with the support of the Yamada Research Grant.

3. Grant amount:
   1) New research grant: Up to 2,000,000 Japanese Yen per theme.
   2) Continuing research grant: Up to 10,000,000 Japanese Yen per theme.

4. Language: English or Japanese

5. How to apply: Applications should be filled out the specified format on the following website according to application guideline for this grant.

The official website of Application for Yamada Research Grant 2012:
http://grant.bee-lab.jp/grant/grant_2012/guideline_eng.html

6. Application period: From May 1, 2012 to June 29, 2012 (until 17:00 Japan Time)

How to inquire: If there are any questions, please contact the secretariat of this grant by e-mail. E-mail address: bee-lab@yamada-bee.com

Oregon State University

THREE FACULTY POSITIONS IN BIOINFORMATICS AND SYSTEMS BIOLOGY

Oregon State University is conducting three open rank searches for collaboratively-minded faculty who demonstrate enthusiasm for research and teaching at the interface of the quantitative and life sciences, to join our strong growing genomics and systems biology community.

NUCLEIC ACID SEQUENCE BIOINFORMATICS: The appointee will execute a strong research and teaching program at the interface of computer and life sciences that advances the use of nucleic acid sequence data to understand the functions of biological systems at any scale. This is a tenure-track, 9-month, full-time faculty position at any rank that will reside jointly in the School of Electrical Engineering and Computer Science, and in a life science unit depending on the appointee’s expertise and interest.

SYSTEMS BIOLOGY OF HOST-MICROBE INTERACTIONS: The appointee will conduct research addressing host-microbe interactions through integrating experimental life science and quantitative methods. The context of the research may be infectious disease, allergic or chronic disease in humans, animals or plants, or mutualistic interactions at the level of individuals or communities. This is a tenure-track, 9-month, full-time faculty position at any rank that will reside jointly in a life science department and in a quantitative science department depending on the appointee’s expertise and interest.

APPLIED DISCRETE MATHEMATICS IN SYSTEMS BIOLOGY: The appointee will execute a strong research and teaching program at the interface of applied discrete mathematics and molecular, cellular or organismal systems biology. The context of research may include, but is not limited to, areas of discrete mathematics centered around data integration, network inference, or modeling in systems biology. This is a tenure-track, 9-month, full-time faculty position (Associate or Full Professor) that will reside jointly in the Department of Mathematics, and in a life science unit depending on the appointee’s expertise and interest.

More information and application procedures can be found at http://www.cgrb.oregonstate.edu/faculty-positions

Download your free copy today at ScienceCareers.org/booklets
Wadsworth Center
NEW YORK STATE DEPARTMENT OF HEALTH
POSTDOCTORAL OPPORTUNITIES
Molecular and Structural Biology, Infectious Disease, Neuroscience and Genetics

The Wadsworth Center, New York State Department of Health (Albany, NY) provides a unique and dynamic environment for postdoctoral training, with career enrichment activities organized through a pro-active postdoctoral association. Research in biomedical and environmental sciences is enhanced by state-of-the-art core facilities and unique capabilities in genetic screening, emerging infectious disease, and cell and molecular imaging. The following positions, administered through Health Research, Inc., are available immediately:

**RK Agrawal** - Characterize mammalian mitochondrial ribosome using biochemistry, molecular biology, cryo-electron microscopy, and molecular modeling.

**J Curcio** - Characterize determinants of Ty1 retrotransponson RNA translation and localization in *Saccharomyces cerevisiae* using molecular biology, genomics, biochemistry and microscopy.

**K Derbysheir, T Gray** - Design, create, and assay high-throughput gene knockouts and expression constructs in *Mycobacterium smegmatis*, as part of a multi-institutional project.

**B Herron** - Genetic and genomic analysis of a novel mouse model of epileptogenesis as part of a multidisciplinary team of geneticists and neuroscientists.


**JR Wolpaw, XY Chen, AK Thompson** - Functional, physiological, and anatomical studies of plasticity in mammalian spinal cord, including clinical translational studies at Helen Hayes Hospital.

Apply by email to: PostdocApp@wadsworth.org
Learn more at: [www.wadsworth.org/educate/postdocs.htm](http://www.wadsworth.org/educate/postdocs.htm)

Health Research, Inc. is an Affirmative Action, Equal Opportunity Employer.

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**UC Davis**

**FACULTY POSITION ANNOUNCEMENT**

**Assistant Professor**

**Sustainable Process Engineer**

The University of California at Davis is pleased to announce recruitment for a tenure-track faculty position in Sustainable Process Engineering in the Department of Viticulture and Enology, with a joint appointment in the College of Engineering. This recruitment is at the rank of Assistant Professor and is an academic year (9-month) position. Criteria for appointment include: a Ph.D. or equivalent, a strong background in sustainable processing or similar, a record of excellence in scholarly research, and demonstrable potential to establish a competitively-funded research program relevant to sustainable processing. Any area of sustainable processing is acceptable, including but not limited to water, energy, and emissions minimization, alternative energy generation, and the circular economy. Prior experience in viticulture and/or enology is not required.

The Department of Viticulture and Enology maintains world-class facilities for the study of grapes and wine including the first LEED Platinum winery in the world and state-of-the-art research and teaching laboratories in the Robert Mondavi Institute of Wine and Food Science. In mid-2013, the department will open the Jess S. Jackson Sustainable Winery Building, focused on piloting world and state-of-the-art research and teaching laboratories in the Robert Mondavi Institute of Wine and Food Science. In mid-2013, the department will open the Jess S. Jackson Sustainable Winery Building, focused on piloting sustainable processing research for the wine, food, and other beverage industries.

The community of Davis is centrally located to many of wine producing regions of California, minutes from Sacramento, and offers a high quality of life in a University town setting, situated between the Sierra Nevada mountain range and the San Francisco Bay area.

Applicants should submit materials via the following website: [https://secure.ucdavis.edu/Recruitment/](https://secure.ucdavis.edu/Recruitment/). Inquiries can be directed to Dr. David Mills, Search Committee Chair, Department of Viticulture and Enology, One Shields Avenue, University of California, Davis, CA 95616, telephone (530) 754-7821, damills@ucdavis.edu. The position will remain open until filled but to ensure consideration, applications should be received by August 15, 2012.

**UC Davis is an Affirmative Action/Equal Employment Opportunity Employer** and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.

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**Victoria University of Wellington**

Victoria University of Wellington invites applications for up to three permanent academic positions in the School of Biological Sciences. Preference will be given to applicants with research and teaching specialisation in Genetics, Physiology or Reproduction, particularly with a human or biotechnology perspective.

The level of appointment will depend on experience and track record, and appointments will be made at Lecturer, Senior Lecturer, Associate Professorial or Professorial level. Applicants must have a PhD in a suitable discipline, a track record of research (evidenced by publications in respected international journals and acquisition of research funding) and an ability to teach in areas of genetics, physiology or biotechnology at undergraduate and postgraduate level. Appointment at a professorial level will require substantial experience, an outstanding track record and demonstrated leadership.

Applications close 14 June 2012

Victoria University of Wellington is an EEO employer and actively seeks to meet its obligations under the Treaty of Waitangi.

For more information and to apply online visit [http://vacancies.vuw.ac.nz](http://vacancies.vuw.ac.nz)

Reference A119-12M / A120-12M

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**ASSOCIATE PROFESSOR IN GENETICS, PHYSIOLOGY OR REPRODUCTION**

**LECTURER/SENIOR LECTURER IN GENETICS, PHYSIOLOGY OR REPRODUCTION**

Wellington, New Zealand

Victoria University of Wellington invites applications for the following positions in the School of Biological Sciences:

- **ASSOCIATE PROFESSOR IN GENETICS, PHYSIOLOGY OR REPRODUCTION**
- **LECTURER/SENIOR LECTURER IN GENETICS, PHYSIOLOGY OR REPRODUCTION**

These positions will involve teaching undergraduate and postgraduate level. Appointment at a senior level will depend on experience and track record, and appointments will be made at Lecturer, Senior Lecturer, Associate Professorial or Professorial level. Applicants must have a PhD in a suitable discipline and an ability to teach in areas of genetics, physiology or biotechnology at undergraduate and postgraduate level.

Applications close 14 June 2012

Victoria University of Wellington is an EEO employer and actively seeks to meet its obligations under the Treaty of Waitangi.

For more information and to apply online visit [http://vacancies.vuw.ac.nz](http://vacancies.vuw.ac.nz)

Reference A119-12M / A120-12M

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**VICTORIA UNIVERSITY OF WELLINGTON**

Victoria University delivers internationally-acclaimed results in teaching and research, as well as programmes of national significance and international quality.

As one of Wellington’s largest and most established employers, we’re committed to providing our staff with opportunities for rewards, recognition and development, all within a dynamic and inclusive culture where innovation and diversity are highly valued.

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Assistant/Associate Professor
Department of Chemistry

The Department of Chemistry at the University of Alabama at Birmingham seeks candidates for a tenure-track faculty position at the assistant or associate professor level in CHEMISTRY with research expertise in areas of medicinal chemistry or biophysical applications of NMR and/or mass spectrometry. Candidates whose research is complementary to existing strengths within the Department and School will be given preference. The University of Alabama at Birmingham (UAB) is a comprehensive research university and medical center with over 2,000 full-time faculty and over 17,000 students in Fall 2011. UAB is ranked among the top tier research universities in terms of federal grant support. The Department of Chemistry offers B.S. (ACS-Certified), M.S., and Ph.D. degrees and has major research thrust areas in drug discovery, structural biochemistry, biophysical chemistry, computational chemistry, and polymer/advanced materials. Applications will be considered beginning July 1, 2012. Applications past that date will be considered until this position is filled. Candidates must have a Ph.D. degree in chemistry or biochemistry, postdoctoral or equivalent experience, and a commitment to teaching excellence at undergraduate and graduate levels.

Qualified applicants should send a letter indicating their interest, detailed curriculum vita, description of research plans, a statement on their teaching experience and philosophy, and the names and contact information of a minimum of four references. At least one reference should be able to address your teaching potential, experience, and ability. Electronic submissions are encouraged and should be sent to Ms. Laura Knighten (knighten@uab.edu), or mailed to the Department of Chemistry, Faculty Search, University of Alabama at Birmingham, 3201 1st Avenue North, Birmingham, AL 35222.

UAB is an Equal Opportunity/AA/Title VI/Title IX/Section 504/ADA/Age/Title II/Veterans Employer and does not discriminate on the grounds of race, color, national origin, sex, sexual orientation, gender identity, age, religion, disability, or any other status protected by national, state, or local law.

Assistant/Associate
Professor

Department of Neurology

The Department of Neurology at the University of California San Diego is seeking an outstanding individual to head the Division of Child Neurology at UCSD/Rady Children’s Hospital San Diego. The successful candidate will possess expertise in the areas of movement disorders, genodermatosis, neurodegenerative disorders, and/or neuromuscular disorders. The successful candidate will have demonstrated a strong clinical and academic track record and will develop a large clinical and research program that provides coverage for three level 3 neonatal units in San Diego. The successful applicant will possess leadership or potential accomplishments in areas contributing to diversity, equity and inclusion, and a desire to play a significant role in advancing UC San Diego’s commitment to achieving excellence and diversity.

Salary is commensurate with qualifications and based on University of California pay scales due University is an Equal Opportunity/Equal Access/Affirmative Action Employer. Questions directed to Dr. Tony Vyn, search chair, tvyn@purdue.edu, 765-496-3757. Agronomy URL: http://www.ag.purdue.edu/agry/

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer fully committed to achieving a diverse workforce.

Associate Full Professor (Ladder Rank, In residence, or Clinical Neurosciences)
Child Neurology

The Department of Neurology (http://neurosciences.ucsd.edu/) at the University of California San Diego is committed to academic excellence and diversity within the faculty, staff, and student body. The department is seeking an outstanding individual to head the Division of Child Neurology at UCSD/Rady Children’s Hospital San Diego. The successful candidate will be Board Certified in Child Neurology and a clinician-scientist at the Full or Associate Professor level with an established and distinguished research program who is clinically active.

The successful candidate will lead a large and diverse group of pediatric neurologists involved in clinical care, clinical trials, bench research and education with an ACME accredited residency program. The UCSD Pediatric Neurology Group has a clinical base at Rady Children’s Hospital San Diego – the largest pediatric hospital in California. The group provides general child neurology and sub-specialty clinics covering epilepsy, headache, neuromuscular disease, neuro-oncology, neurogenetics, neuro-developmental disabilities, Down syndrome, neurodegenerative and metabolic disease and movement disorders. An active neonatal neurology group provides coverage for three level 3 neonatal units in San Diego. The successful applicant will possess strong administrative and negotiating skills as he/she will develop a large clinical and research program that enhances our reputation nationally and internationally.

Successful candidates will also demonstrate strong potential accomplishments in areas contributing to diversity, equity and inclusion, and a desire to play a leadership role in advancing UC, San Diego’s commitment to achieving excellence and diversity.

Salary: Salary is commensurate with qualifications and based on University of California pay scales

Closing Date: Review of applications will begin May 30, 2012 and will continue until the position is filled.

To Apply:
- Application materials should be submitted via UCSD AP On-Line RECRUIT: https://apol-recruit.ucsd.edu/apply
- Please apply to the following open position: NEUROSCIENCES
- Please be prepared to provide a statement of career interests and objectives, and the names of three referees. Applicants should summarize their past or potential contributions to diversity in a separate personal statement (see http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp for further information).

UCSD is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to excellence through diversity.
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, webinars and downloadable booklets filled with practical advice, a community forum providing 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
Facility Openings in EPP at CMU

The Department of Engineering and Public Policy at Carnegie Mellon seeks the following faculty candidates:

- A candidate at any level with a strong technical background and knowledge of the relevant literatures to address problems in the management of technological innovation and R&D policy.
- A senior economist with a technical background to work on problems in technology and policy and occupy the Lester B. Lave chair between EPP and the Tepper School of Business.
- A candidate at any level in empirical behavioral social science to collaborate with engineers on problems in technology and public policy.
- Other candidates with engineering or science backgrounds and demonstrated accomplishment in technology and public policy.

See www.epp.cmu.edu.

Send resume, references, and 2-3 sample publications to:
A. Loucks (aloucks@andrew.cmu.edu)

HIV Research Faculty Position

The University of Michigan Department of Medicine, Division of Infectious Diseases seeks M.D. candidates board certified (or eligible) in Infectious Diseases for tenure-track positions at the Assistant, Associate, or Full Professor rank to develop and conduct independently funded basic and/or translational research programs relevant to HIV. Investigators will join a growing and interactive group of researchers with close ties to both basic science and clinical departments within the University, and the potential for joint appointments within graduate departments of the University of Michigan.

Interested individuals should submit curriculum vitae, summary of research and career goals for junior applicants, and contact information along with three references addressed to:
David M. Aronoff, M.D.,
Search Committee Chair
Division of Infectious Diseases
Department of Internal Medicine
c/o Carly Kish
1500 E. Medical Center Drive
3119 Taubman Center/SPC 5378
Ann Arbor, MI 48109-5378
Or email: ckish@med.umich.edu

The University of Michigan is an Equal Opportunity Employer; women and minorities are encouraged to apply.
PROFESSOR AND DIRECTOR for the Center for Sensorimotor Neural Engineering

The University of Washington invites applications for a full time tenure-track position as Professor within the College of Engineering. We are seeking an outstanding leader who will serve as the Director of the Center for Sensorimotor Neural Engineering (website: http://www.csne-erc.org) a National Science Foundation funded Engineering Research Center that is dedicated to a cross-disciplinary focus on technologies that assist individuals with mobility-related neural disorders and devices that interact with, and are inspired by, nervous system function. The Director will have a vision for harnessing the tremendous potential of Neural Engineering for societal impact, medicine, manufacturing, education, and other emerging areas.

The CSNE Director is responsible for fostering the growth of a high impact Neural Engineering program and managing the research, educational, and industry components of a Gen3 ERC. Responsibilities include fundraising from state and federal agencies, industry, and foundations; fiscal management; operational and strategic planning; establishment, implementation, and measurement of goals and objectives; implementation of policy and procedures; and partnerships strengthening and communication. The CSNE Director will report to the Dean of the College of Engineering. Potential home departments include Computer Science & Engineering, Bioengineering, Electrical Engineering, and Mechanical Engineering.

Review of applications will begin July 2012, and will be accepted until December 2012. To apply please visit website: http://www.washington.edu/admin/acadpers/ads/aa3112.html.

Please send questions or requests for information to Dr. Tom Daniel, Search Committee Chair, or e-mail: csne@uw.edu. Thank you for your interest in this position at the University of Washington.

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

ASSISTANT PROFESSOR, TENURE-TRACK Genomics and Bioinformatics

The Department of Biology, The University of Texas at Tyler, invites applications for a tenure-track Assistant Professor position. The incumbent will establish an extramurally-funded research program in animal or plant genomics and bioinformatics and teach undergraduate and graduate courses. Qualifications: Ph.D. in genomics and bioinformatics, postdoctoral experience, strong publication record, grantsmanship, and teaching experience. Applications must include (as one PDF file) curriculum vitae, a statement of research interests and future plans as well as the names of three references. All materials should be sent to Dr. Lance Williams, Chair, Genomics Search at e-mail: lwilliams@uttler.edu. Three reference letters must be sent to the same address. Screening will begin July 31, 2012 and continue until a suitable candidate is identified.

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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 and strategies you can use to pursue a nonresearch career.