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VANDERBILT UNIVERSITY

博士后

[美国] Vanderbilt University

Vanderbilt University opens a postdoctoral position funded by the NIH is available immediately to work on the structure and function of P450 enzymes in steroid hormone biosynthesis (J. Biol. Chem. 287:10613–10622, 2012). Candidates must have a PhD, a strong background in chemistry or biochemistry and experience in macromolecular X-ray crystallography. All crystallographic data collections are being conducted remotely or in person at the Advanced Photon Source, Argonne National Laboratory, to which Vanderbilt crystallographers have extensive access via the Life Sciences CAT at sector 21. Please electronically send the curriculum vitae and the names of at least two references until June 30, 2012 to: **Professor Martin Egli, Department of Biochemistry, Vanderbilt University, School of Medicine, Nashville, TN 37232, USA. E-mail: martin.egli@vanderbilt.edu.** (源于 *Science* [2012-05-25])

IOWA STATE UNIVERSITY

博士后

[美国] Iowa State University

A postdoctoral position is open in the laboratory of Dr. Thomas Bobik at Iowa State University, Ames Iowa to conduct research on bacterial microcompartments (MCPs) in Salmonella. Bacterial MCPs are multi-protein complexes that consist of a series of enzymes encapsulated within a protein shell. About 15–20% of bacteria produce MCPs and they have important roles in global carbon fixation and bacterial pathogenesis. In addition, MCPs have potential applications in biotechnology as nanoscale intracellular reactors and as drug delivery vehicles. The focus of their current research is to obtain an atomic-level understanding of how small molecules such as enzyme substrates and cofactors are transported across the protein shell of MCPs, and to define the principles that guide enzyme encapsulation and higher-order structure. Applicants must have PhD and a strong background in biochemistry, microbiology, biophysics or a related field. Experience in site-directed mutagenesis, biophysical analysis of proteins as well as gene cloning and expression are preferred. For more information on the research project see http://www.bmb.iastate.edu/index.php?option=com_content&view=article&id=30&Itemid=6. Apply by email to **Dr. Bobik bobik@iastate.edu.** (源于 *Science* [2012-05-31])



博士后

[美国] University of California,
San Francisco School

A position is available immediately at the UCSF School of Medicine

in San Francisco to study the developmental genetics of ocular disease. The successful candidate will use whole genome sequence data from human patients to identify, experimentally validate and interrogate novel genes that cause ocular dysgenesis and developmental glaucoma. The goal is to identify molecular mechanisms and cellular networks involved in human development and disease. The successful candidate should have a strong publication record in genetics and molecular and cellular biology. Candidates with experience in vision research, mouse models, computational biology and genomics are preferred. Interested individuals should submit a single pdf file with the following: CV; statement of research experience; statement of career goals; contact information for two references to **GouldlabUCSF@gmail.com** and mention where you saw this advertisement posted. For more information please visit their website: <http://vision.ucsf.edu/gould/Gouldlab/Welcome.html>. (源于 *Science* [2012-05-31])



博士后

[美国] Medical University of South
Carolina

Two postdoctoral positions are available in the laboratory of Shikhar Mehrotra, PhD, in the Department of Surgery, Microbiology & Immunology at the Medical University of South Carolina (MUSC), Charleston, SC. Using tumor epitope specific primary CTL, tumor epitope specific TCR transduced T cells or tumor epitope specific transgenic mouse models the overall focus of their lab is to better understand T cell signaling pathways that could lead to its improved persistence/function and thereby aid in developing novel strategies for T cell adoptive therapy for melanoma. Relevant experience with animal research, contemporary molecular and immunological techniques, and primary cell culture, flow cytometry are highly desirable. Candidate should be highly motivated, creative, with strong work ethic and ability to work independently as well as in collaborative research efforts. Excellent verbal and written communication skills are required. Furthermore, there will be possibility for career advancement and the pursuit of an independent career path within the Department. Additional information can be found at the MUSC website: <http://academicdepartments.musc.edu/surgery/divisions/surgonc/faculty/mehrotra.htm>. Candidates should have a PhD and/or MD with first-author research paper(s) published in a peer-reviewed journal. Please send: i) a cover letter briefly summarizing the research interests and career goals, ii) CV, and ii) a list of 3 references, as PDF or word documents to **Shikhar Mehrotra, PhD, Associate Professor, Department of Surgery, Microbiology & Immunology, Medical University of South Carolina, 86 Jonathan Lucas Street, HO-512H, Charleston, SC 29425, USA, Phone: 843-792-9195. E-mail: mehrotr@musc.edu.** (源于 *Science* [2012-05-31])


 博士后
[英国] EMBL-EBI Hinxton

The EMBL-EBI - Sanger Postdoctoral (ESPOD) Programme builds on the strong collaborative relationship between the two institutes, offering projects which combine experimental (wet lab) and computational approaches. The applicants should propose the project or select from pre-defined projects: Systematic characterisation of Sanger human iPS cells; Modelling the genetic-epigenetic regulatory pathways in hematopoietic cells; Genes, pathways, modules and organs that regulate bone mass; Comparative genomic insights into parasite genome function; Adaptive evolution of olfactory systems in mammals. For further information on the ESPOD fellowships and how to apply please visit www.ebi.ac.uk/training/postdoc/ESPOD. Closing date: 15 August 2012. (源于 *Science* [2012-06-01])


 博士后
[美国] Ohio State University

A Postdoctoral Researcher position is available in the laboratory of Dr. Jay L. Zweier at the Davis Heart and Lung Research Institute, Ohio State University (OSU), Columbus, Ohio, USA. The candidate should have strong cardiovascular physiology and molecular background in rodent models of myocardial ischemia-reperfusion. The overall goal of the laboratory is to better understand the mechanisms of postischemic injury, cardioprotection, and myocardial regeneration in relation to free radical and nitric oxide formation. A MD or PhD with at least two years experience in rodent myocardial infarction models and basic biochemical and molecular techniques is required. Please send the following materials to E-mail: jay.zweier@osumc.edu: a cover letter, curriculum vitae, related peer-reviewed articles, and contact information of three references. (源于 *Science* [2012-06-01])


 博士后
[美国] Indiana State University

The Department of Physics at Indiana State University (ISU), Terre Haute, IN 47809, USA, is seeking applications for a research associate position in laser-induced ultrafast magnetism. This position is supported by the U. S. Department of energy. The successful candidate will work in Dr. Zhang's research group. They are looking for a individual who has rich experience in first-principles methods (DFT, TDDFT, CI and others). This appointment is initially made for one year; contingent on the performance of the research associate and mutual agreement, the position can be extended up to two years. The major responsibilities include: (1) Compute the optical signals as a function of the laser pump and probe delay; (2) Develop a new code to include electron correlation effect; (3) Publish papers in peer-reviewed journals and make presentations in conferences. Qualifications: (1) A PhD in condensed

matter physics and chemistry theory, first-principles DFT or TDDFT or CI theory, with special emphasis on scientific computing and first-principles investigations and code development; (2) An excellent publication record; (3) Full familiarity with Fortran and C is needed within LINUX AND UNIX systems; (4) Preferred experience: working experience with the code development; (5) Excellent communication skills (both spoken and written English). To apply, please go to <http://www.indstate.edu/humres/> Follow the instructions on the left, under "Employment" and then click "TO APPLY FOR A FACULTY, STAFF, STUDENT, OR GRADUATE ASSISTANTSHIP POSITION". Under "Staff-Professional", please locate the Job ID is N12-229. The title for this position is Postdoctoral Research Associate. Reviewing applications will start immediately and will continue until the position is filled. For informal inquiry, please send a letter to gpzhang@indstate.edu. (源于 *Physics Today Job* [2012-06-05])


 博士后
[美国] University of Wisconsin-Madison

The MST experiment in the Physics Department at the University of Wisconsin-Madison investigates plasma physics related to fusion energy, with links to astrophysics. The MST reversed field pinch program at the University of Wisconsin seeks candidates for postdoctoral research positions. Particular opportunities are available for research using advanced plasma diagnostics, such as Thomson scattering and active spectroscopy (CHERS, MSE, etc.), with applications to fusion energy research and magnetic self-organization plasma astrophysics. The precise mix of activities depends on the interests and talents of the individual. MST provides a team research environment, but one in which an individual postdoc can have a large influence. A PhD in plasma physics is required. Applicants who are available immediately or in the near future are preferred. (源于 *Physics Today Job* [2012-06-05])


 博士后
[美国] Argonne National Laboratory

Argonne National Laboratory is immediately seeking a highly motivated postdoctoral researcher to create a comprehensive experimental x-ray fluorescence research program on functional materials. A primary goal will be to develop novel in situ capabilities that allow controlling the sample environment, such as temperature, fields, and/or reaction cells. The candidate will have the great opportunity to work on state-of-the-art x-ray micro- and nanoprobes in order to establish strong multi-length scale research. They want a candidate that aggressively pursues innovative independent research, participates in scientific collaborations, and helps user operation. The candidate must be able to work independently as well as in their dynamic research team. Demonstrated excellence in synchrotron-based x-ray fluorescence

or closely related technique is required. The successful applicant must have completed a PhD in physics or a related discipline, with a proven capacity for outstanding research that is reflected in a publication record. (源于 *Physics Today Job* [2012-06-06])



博士后
[瑞典] Swedish Medical Center

The Swedish Center for Clinical Research and Innovation (SCCRI) supports and administers research activities throughout the six Swedish campus locations. Read more: <http://www.swedish.org/For-Health-Professionals/Research#ixzz1x7UOdAYg>. This position will involve the development and clinical implementation of advanced radiation therapy delivery techniques. This is a grant funded position focused on motion management strategies in radiation therapy. Their goal is to improve outcomes for patients with lung, liver, and pancreatic cancer through better motion management using tools such as gated beam delivery, 4D cone beam CT imaging, and models correlating internal and external patient motion. This position is funded for 2+ years and is a term limited role. PhD or Doctorate Degree in medical physics, physics, or engineering. Must have a track record of successful research including published manuscripts. Applicants are invited for a research scientist/postdoctoral fellow position in medical physics. The successful applicant will be involved in the investigation of motion management strategies in the delivery of radiation therapy to lung cancer patients. The Post Doc will also work on developing next generation solutions for the planning and delivery of intensity modulated arc therapy (IMAT). Although the emphasis of this position is on research, the successful candidate will also undergo substantial clinical training. Strong computer programming skills along with knowledge of radiation physics would be helpful. (源于 *Physics Today Job* [2012-06-07])



助理教授
[美国] Auburn University

Auburn University is seeking a qualified individual for a tenure-track faculty position in experimental fusion plasma physics. Preference is for a candidate at the assistant professor level, but all ranks will be considered. Applicants must have a PhD or equivalent degree and post-doctoral research experience is highly desirable. The successful candidate will be expected to: (1) actively participate in the development of novel experiments and diagnostics for the Compact Toroidal Hybrid experiment at Auburn University, (2) contribute to the advancement of the fusion science program at Auburn University on the local, national, and international levels, (3) provide direction to undergraduate, graduate students and post-doctoral researchers in fusion plasma physics, and (4) have a strong commitment to high quality teaching at both the undergraduate and graduate level. Interested candidates should send a letter of interest, a curriculum vitae, and the names of three references to Ms. Freddie

Killian (killifl@auburn.edu). The desired starting date is August 16, 2013. The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time appointment is scheduled to begin and continue working legally for the proposed term of employment. The candidate must have excellent communication skills. (源于 *Physics Today Job* [2012-05-25])



助理教授
[美国] West Virginia University

The Department of Biochemistry is expanding its faculty with a position at the assistant professor rank (tenure-track) in the area of protein biochemistry. Investigators with innovative research programs that complement or expand on existing strengths in the department will be given the highest priority. These strengths include regulation of metabolism, mechanisms of protein degradation, regulation of pre-mRNA processing, analysis of cytoskeletal dynamics, receptor tyrosine kinase signaling pathways, posttranslational modification of proteins, mechanisms of cell death, and regulation of gene expression. A more detailed description of departmental research programs can be found at <http://medicine.hsc.wvu.edu/Biochemistry/>. Minimal qualifications for the position are a PhD and/or MD plus two years of highly productive postdoctoral research. The successful candidate will be expected to develop an extramurally funded research program and demonstrate excellence in the departmental teaching mission. Review of applications will be begin immediately and will continue until the position is filled. Please submit as a single electronic file CV, research statement summarizing research accomplishments and future research plans, and the names (including contact information) of 3 references to: Ms. Lana Yoho, lyyoho@hsc.wvu.edu. (源于 *Science* [2012-05-31])



助理教授/副教授
[美国] University of Michigan Medical School

University of Michigan Department of Cell and Developmental Biology is soliciting applications from outstanding scholars for a tenure-track or tenured position at the assistant or associate professor level, as part of a cluster hire in the Reproductive Sciences. Research focusing on the biology of embryonic stem cells (ESC), induced pluripotent stem cells (iPSC), gonadal stem cells, and/or germ cell biology is strongly encouraged. Candidates should have MD, PhD, or MD-PhD degrees with relevant postdoctoral training and a record of outstanding research with exceptional potential. Applicants should send a curriculum vitae, three reprints, a one-to-two-page summary of research plans, and provide the names of three references by August 1, 2012, to: Ms. Lori Longeway, Cell and Developmental, 109 Zina Pitcher Place, 3069 BSRB, Ann Arbor, MI 48109, USA. Or submit electronically to E-mail: longeway@umich.edu. (源于 *Science* [2012-05-25])



助理教授/副教授 [美国] Meharry Medical College

The Center for Molecular and Behavioral Neuroscience (CMBN) at Meharry Medical College invites applications for a tenure-track position at the assistant or associate professor level. The successful candidate will be expected to develop an independent research, obtain extramural funding, and be involved in PhD/residency-level training program that enhances translational, clinical and human behavioral/mental health research in CMBN, the Center for Women's Health Research, and the Center for AIDS Health Disparities Research at Meharry Medical College. CMBN's mission is to conduct basic, translational, clinical, social and behavioral research to generate new knowledge that will contribute to the nation's effort to reduce health disparities in the areas of neurological disease, mental health as well as drug abuse and addiction, including alcoholism, while contributing significantly to the production of the next generation of behavioral and neuroscientists. Faculty members in the center are engaged in bench-to-beside-to-community research on mechanisms of addictive disorders, Alzheimer's disease, mood disorders, neuro-degeneration, neuron-protection strategies, neuro-toxicology, Parkinson's disease, risk-taking behavior, and sleep disorders. Applicants must have a doctoral degree (MD and/or PhD) in a field relevant to behavioral science/mental health and appropriate postdoctoral experience. The screening of applications is ongoing and the position will remain open until a suitable candidate is identified. Interested individuals should submit a letter of interest summarizing their qualifications and future research plans, along with CV and contact information for 3 references to: **Uma Rao, MD, Director, Center for Molecular and Behavioral Neuroscience, Professor, Psychiatry and Behavioral Sciences, Meharry Medical College, 1005 D. B. Todd Blvd, Nashville, TN. 37208, USA. E-mail: urao@mmc.edu.** (源于 *Science* [2012-06-01])

Colorado State University

助理教授/副教授 [美国] Colorado State University

The department of Biomedical Sciences seeks to fill a tenure-track or tenured position at the assistant to associate professor rank in Cardiovascular Physiology. Preference will be given to candidates with an established research program integrating cellular/molecular studies with whole-organism physiology. In addition, preference will be given to individuals whose interests complement other research groups in the department (neuroscience and/or reproductive physiology). The successful candidate is expected to maintain an independent, extramurally-funded research program and contribute to undergraduate, graduate, and/or professional veterinary medicine teaching. Applicants must have a PhD, DVM, MD or equivalent degree and at least two years of postdoctoral training with demonstrated research productivity. In addition, applicants must provide evidence of competitiveness for independent national-level

funding for their research program. A cover letter, CV, statements of research and teaching interests, and names of three individuals willing to provide letters of reference, should be sent electronically to the chair of the search committee: **Dr. Scott Earley, care of Karen Solomon, at Karen.Solomon@colostate.edu.** (源于 *Science* [2012-06-01])



WASEDA University

助理教授/副教授 [日本] Waseda University

The Waseda Institute for Advanced Study is currently recruiting researchers in Natural Science as assistant professor or associate professor position (without tenure). There is no restriction in the research field as long as it is within the boundary of Natural Science. The contract is three years (non-renewable) and it will start from April 1, 2013. Apply through Online Registration Form Further details can be obtained from their website: http://www.waseda.jp/wias/eng/application/information/info_researcher_2013.html. Online Registration only. Submission of application documents by E-mail or post is unacceptable. FAQs for the application: http://www.waseda.jp/wias/eng/application/information/data/Recruitment_FAQs_2013.pdf. Contact them through Online Inquiry form: https://secure02.red.shared-server.net/www.wias.jp/cgi-bin/contact_e/form.cgi. Official facebook: <https://www.facebook.com/wias.waseda>. (源于 *Physics Today Job* [2012-06-06])



UNIVERSITY OF AMSTERDAM

教授 [美国] University of Amsterdam

University of Amsterdam, has a vacancy for a full professor of experimental quantum physics full time (38 hours per week). The new chair forms an integral part of the nationally recognised Sectorplan for Physics and Chemistry (SNS) research priority Quantum Matter & Quantum Information (QM/QI) and the science faculty Research Priority QM/QI. The research will be conducted in the Van der Waals-Zeeman Institute for Experimental Physics, a division of the Institute of Physics (IoP) of the University of Amsterdam. The IoP is looking for candidates who are outstanding and creative experimental physicists in quantum physics, and who will provide new avenues for research within the terrain of the QM/QI research priority while complementing the existing research effort in both theory and experiment in the IoP. Candidates should have a track record of excellent experimental research, as evident from publications in international top journals and other characteristics of international recognition, track record in successful acquisition of substantial financial support for research, communicative and organisational skills fitting to the role of a full professor and scientific group leader and an excellent track record in the supervision of experimental research by students and PhD students. For a complete job announcement please refer to www.uva.nl/vacancies. (源于 *Physics Today Job* [2012-05-23])

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