

· 全球招聘新闻 ·



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#izz1x7U0dAYg>. 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])

博士后
[美国] The National Renewable Energy Laboratory



The National Renewable Energy Laboratory (NREL), is proud to announce the NREL director's postdoctoral fellowship program. The fellowships are designed to attract the next generation of exceptionally qualified scientists and engineers with outstanding talent and credentials in renewable energy research and related disciplines. Applicants will be selected based on eligibility, program expectations, publications, and research proposals. Successful candidates will have completed a PhD within two years, and will serve a two year term. NREL is the nation's primary laboratory for the research and development of renewable energy technologies. Apply to participate in transformational research in the following areas: Bioenergy, wind technology, electricity resources and building systems, solar, geothermal, photovoltaics, basic energy science, physics, computational science, hydrogen technologies, transportation technologies and systems, biosciences, strategic energy analysis, systems engineering and program integration, power systems engineering, micro-grid technology and data modeling. For additional information, visit www.nrel.gov/rpp/directors_fellowship.html. Applications Due: September 30, 2012. Apply online: https://sjobs.brassring.com/1033/ASP/TC/cim_jobdetail.asp?partnerid=25104&siteid=5189&AReq=2603BR&Codes=APS. Website: www.nrel.gov/employment, requisition #2603. (源于 *Physics Today Job* [2012-06-11])



博士后
[美国] Indiana University

The High Energy Neutrino and Particle Astrophysics group at

Indiana University is seeking applicants for a post-doctoral position. The group currently consists of four faculty (Messier, Mufson, Musser and Urheim), two postdocs and 3 graduate students. Members of the group are leaders within the NOvA and LBNE experiments, and are engaged in generic R&D efforts on large liquid argon time projection chambers for use by future experiments such as LBNE. The successful applicant will be expected to contribute to these efforts. The position is available for a near term start date. They will begin reviewing applications on July 15th 2012 and continue to accept applications until the position is filled. The appointment will initially be for one year, with the possibility of extension for up to an additional two years. Applications, including a curriculum vita and 3 letters of reference, should be sent via E-mail to **Professor Jon Urheim at urheim@indiana.edu** or mailed to **High Energy Search, Physics Department, Indiana University, Bloomington, IN 47405, USA**. For more information about the group, see <http://physics.indiana.edu/~heap>. (源于 *Physics Today Job* [2012-06-11])



博士后
[美国] The University of
Colorado – Colorado Springs

The University of Colorado – Colorado Springs (UCCS) is seeking research associates for the UCCS Center of the University of Colorado BioFrontiers Institute. BioFrontiers is an interdisciplinary research initiative primarily involving Physics and Biology. Research focus includes bio-imaging and bio-sensing using plasmonics nanostructures, such as colloidal silver or gold and regular arrays of plasmonic nanoparticles on a substrate as well as bio-inspired nanofabrication and characterization of magnetic nanoparticles/nanostructures and their application to a variety of problems in biophysics, biology and health and wellness. The successful candidate will have a PhD in physics, biophysics, chemistry or related fields and will have extensive experimental skills in nanostructured materials, UV-vis spectroscopy, light scattering (DLS), electron microscopy (TEM, SEM), fluorescent spectroscopy and microscopy, etc. Some knowledge of the following is preferred: molecular biology, surface chemistry, molecular imaging, molecular diagnostics and nano-medicine. The work will be primarily experimental in nature. Research associates will work with physics and biology researchers and will be expected to produce significant research results, generate new research directions, write and publish research papers, and write grant proposals. For more information or to apply for this position, visit: www.uccs.edu/biofrontiers and go to **Career Opportunities**. (源于 *Physics Today Job* [2012-06-14])



博士后
[美国] University of Michigan

A postdoctoral position is available for self-motivated, recent PhD graduates to study the cell signaling mechanisms in University of Michigan at Ann Arbor, Michigan. Candidates with a strong

background in molecular cell biology and excellent publications are encouraged to apply. Experiences in analyzing genetic engineering mice or protein structural analysis will be a plus. Please submit the CV and statement of interest to **Dr. Jian-Guo Geng** at E-mail: jgeng@umich.edu. (源于 *Science* [2012-06-15])

RUSH 博士后
[美国] Rush University

Two postdoctoral research fellows are available at the Department of Pharmacology at Rush University in Chicago for studying molecular mechanism of atherosclerosis. Candidates must have a PhD, MD, or comparable degree with prior experience and training in the followings: vascular biology, atherosclerosis, monocyte, platelet, endothelial cell, molecular biology, viral vectors, or diabetic vascular disease. Applicants should send CV to: **Dr. Chunxiang "Kevin" Zhang, Professor and Chairman, Department of Pharmacology, Rush University**. E-mail: chunxiang_zhang@rush.edu. (源于 *Science* [2012-06-15])



博士后
[美国] Pennsylvania State University

The Pennsylvania State University is recruiting five exceptional postdoctoral research fellows to pursue cutting edge research in Water Science. Positions will be supported by the Penn State Institutes of Energy and the Environment (PSIEE) at Penn State, University Park, PA Water Science at Penn State span a wide range of topics, including multi-scale modeling, integrated assessment, study of coupled hydrological and biogeochemical cycles, contaminant fate and transport, ecohydrology, polar hydrology, and resource economics. Penn State faculty and staff are involved in the Critical Zone Observatory network, the Long Term Ecological Research network, the National Atmospheric Deposition Program, and other long-term environmental observatories. They are seeking candidates who will leverage resources and expertise of several faculty via collaboration across units. A list of Penn State water scientists and engineers is available at www.psiee.psu.edu/psiee_people/faculty_results_az.asp. For more information contact **Beth Boyer (ewb100@psu.edu)**, **Mike Gooseff (mng2@psu.edu)**, or **Li Li (lili@eme.psu.edu)**. Positions are for two years, with a start date in Fall Semester 2012. An excellent publication record and a PhD in a relevant field are required. To be considered for employment, please submit a CV, a 3-page research concept (proposal) that leverages the faculty and facilities at Penn State and 3 letters of recommendation to Judy Cranage at jvc9@psu.edu by July 27, 2012. (源于 *Science* [2012-06-15])



博士后
[美国] Pennsylvania State University

The Pennsylvania State University is recruiting several postdoctoral

research fellows to pursue cutting edge research in CO₂ Utilization. Positions will be supported by the Penn State Institutes of Energy and the Environment (PSIEE) at Penn State, University Park, PA. The CO₂ utilization position focuses on the capture and catalytic conversion of CO₂ to either hydrocarbons or alcohols for clean energy applications. Interest is in advancing fundamental and applied research on such topics as CO₂ utilization, including but not limited to: (a) development of energy efficient solvent, solid sorbent, or membrane materials and processes for CO₂ separation (b) The design, characterization, and preparation of novel catalysts for CO₂ activation and conversion, (c) understanding multi-center CO₂ activation and multi-electron/proton (or hydrogen atom) transfer processes, and (d) the elucidation of structure/property relationships in selective CO₂ reductions. They are seeking ideas and approaches that are "out of the box". Collaboration with one or more faculty members in the EMS Energy Institute, and Departments of Chemical Engineering and/or Chemistry is strongly encouraged. For more information contact **Chunshan Song** (csong@psu.edu), **Rob Rioux** (rmr189@psu.edu), or **Ayusman Sen** (asen@psu.edu). Positions are for two years, with a start date in Fall Semester 2012. An excellent publication record and a PhD in a relevant field are required. To be considered for employment, please submit a CV, a 3-page research concept (proposal) that leverages the faculty and facilities at Penn State and 3 letters of recommendation to **Judy Cranage** at jvc9@psu.edu by July 27, 2012. (源于 *Science* [2012-06-15])



博士后

[美国] Pennsylvania State University

The Pennsylvania State University is recruiting several postdoctoral research fellows to pursue cutting edge research in Biogeochemical Cycles. Positions will be supported by the Penn State Institutes of Energy and the Environment (PSIEE) at Penn State, University Park, PA. Biogeochemists at Penn State are a diverse and collaborative group working at the leading edge of their fields in areas including carbon cycle science, nutrient and acid pollution, environmental genomics, and sustainable agriculture. A partial listing of biogeochemistry faculty can be found at www.biogeochemistry.psu.edu/people.asp. Cutting-edge facilities for biological sequencing, stable isotope analysis, and geochemistry are available on campus. Applicants proposing omics-enabled research can take advantage of expertise and resources available through the Center for Environmental geoChemistry and Genomics. For more information contact **Jenn Macalady** (jlm80@psu.edu) or **Jason Kaye** (jpk12@psu.edu). Positions are for two years, with a start date in Fall Semester 2012. An excellent publication record and a PhD in a relevant field are required. To be considered for employment, please submit a CV, a 3-page research concept (proposal) that leverages the faculty and facilities at Penn State and 3 letters of recommendation to **Judy Cranage** at jvc9@psu.edu by July 27, 2012. (源于 *Science* [2012-06-15])



博士后

[美国] Pennsylvania State University

The Pennsylvania State University is recruiting several postdoctoral research fellows to pursue cutting edge research in Batteries and Energy Storage. Positions will be supported by the Penn State Institutes of Energy and the Environment (PSIEE) at Penn State, University Park, PA. Batteries and Energy Storage – Batteries and energy storage research is a major interdisciplinary initiative at Penn State spanning from materials to cells to systems. The university has a diverse and collaborative group working in areas including novel electrode materials, electrolytes, binders, cell manufacturing, electrode structures, battery safety, advanced diagnostics and sensing, multiscale modeling, and battery control and energy storage management. Penn State also has the only fabrication facility of large-format batteries among US universities. They are seeking investigators that can address length scales from materials to devices and/or devices to systems. Proposals that can bridge experiments and modeling are encouraged. Details can be found at www.best.psu.edu. For more information contact **Chao-Yang Wang** (cwx31@psu.edu), **Michael Hickner** (mah49@psu.edu), or **Michael Janik** (mjj13@psu.edu). Positions are for two years, with a start date in Fall Semester 2012. An excellent publication record and a PhD in a relevant field are required. To be considered for employment, please submit a CV, a 3-page research concept (proposal) that leverages the faculty and facilities at Penn State and 3 letters of recommendation to **Judy Cranage** at jvc9@psu.edu by July 27, 2012. (源于 *Science* [2012-06-15])



助理教授

[美国] University of Illinois at Urbana-Champaign

The Department of Geology in the School of Earth, Society, and Environment (SESE) seeks a full-time (12 month) research assistant professor. This position will establish the new COMPRES (Consortium for Material Properties Research in Earth Sciences) Technology Center (COMPTECH) at Argonne National Lab and serve as the Center's Lead Scientist. Detailed information about COMPRES can be found at www.compres.us. The major responsibilities includes: work closely with the COMPTECH Advisory Board and the COMPRES Executive Committee in identifying experimental technology needs of the COMPRES community; spearhead partnerships with existing beam line facilities at the Advanced Photon Source that are of interest to the COMPRES community; lead community-oriented development of infrastructure and experimental methodology projects at these facilities; coordinate activities of collaborative user groups that use these facilities; supervise activities of any additional COMPRES personnel at Argonne; build a vigorous externally-funded research program at these facilities. Required qualifications: A PhD in high-pressure

research, mineralogy, crystallography, condensed matter physics, solid-state chemistry/spectroscopy or closely related field is required. At least 2 years of post-PhD professional experience; a strong publication record; ability to generate independent research reports, publications, and grant proposals; ability to interact effectively with other scientists; experience with and synchrotron-related experimental techniques, computer programming, scientific instrumentation development, design and control. Successful record in obtaining funding through peer-reviewed proposals and expertise in designing, building and using scientific instrumentation are preferred. Target Starting date: September 1, 2012. Application: Create the candidate profile and upload application materials at <https://jobs.illinois.edu>. (源于 *Physics Today Job* [2012-06-11])



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 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**, ljyoho@hsc.wvu.edu. (源于 *Science* [2012-05-31])



助理教授

[日本] National Astronomical
Observatory of Japan

Subaru Telescope, NAOJ operates the Subaru telescope, an optical-infrared telescope at the 4,200 m (13,460ft.) summit of Mauna Kea on the island of Hawaii, for open use observations, and is also active in the research and development for its future systems. They are seeking an assistant professor that assumes leadership role in the research and development activities for the telescope and instrument systems to maintain and advance further its high level of science outputs. See below for the duties, responsibilities and qualification of the position: 1. Summary of Duties and Responsibilities: Primary

duties and responsibilities of the incumbent is to maintain and improve the performance of the telescope system including instrumentation, from research scientist's point of view, as follows: Leads, by taking full advantage of strengths of the Subaru Telescope, development of new instrumentation to assure continued production of first class sciences in the coming decade; Directs the development of new instrumentation, by working closely with the engineers of the Telescope Engineering Division and Instrument Division, to the highest level of readiness and operability both from system engineering viewpoint and for the benefit of common use operation on the Subaru Telescope; Plans and proposes modifications and upgrades of the telescope and instrumentation in order to operate them strategically and reliably in the era entering the construction of extremely large telescope. In addition to the duties and responsibilities, the incumbent supports the daily operation of the telescope system and also is expected to be active in his/her own research activities using the Subaru telescope. 2. Qualifications: Demonstrable experiences in the field of telescope or instrumentation development. Abilities to understand not only instrumentation but also the entire telescope system, and maximize their combined performance and efficiency. Abilities to interact and communicate effectively with engineering staffs hired locally as well as those sent from Japan. Leadership skills in multicultural work environment. <http://www.subarutelescope.org/Announce/2012/06/08/index.html>. <http://www.subarutelescope.org>. (源于 *Physics Today Job* [2012-06-13])



副教授/教授

Louisiana State University Health

The Department of Microbiology, Immunology & Parasitology in the School of Medicine at Louisiana State University Health New Orleans, LA (LSU Health-NO) invites candidates with established research programs to apply for a faculty position on the tenure-track as associate or full professor. Candidates should have a strong record of research accomplishment, lead an active, nationally funded research program, and have a commitment to developing a collaborative translational research program involving multiple investigators. Expertise in all areas of microbiology and immunology will be considered, but special consideration will be given to those complementing existing core departmental strengths in HIV and HIV-related infections including pneumocystis and tuberculosis, herpesviruses/host interactions, sexually transmitted diseases including Chlamydia infection, molecular mycology, and the microbiome. Anticipated duties and responsibilities will include sustaining an exceptional research program, mentoring of graduate students and postdoctoral fellows, and participating in departmental and school graduate and undergraduate teaching programs. The institution offers competitive startup packages and salaries. Applicants should send their CV, a statement of research plans, and the names of at least 3 references to E-mail: keigen@lsuhsc.edu. (源于 *Science* [2012-06-01]) (责任编辑 孙杨慧(实习生),秦政)