

· 全球招聘新闻 ·



博士后岗位

[德国] Heinrich-Heine Universität
Düsseldorf

Universität Düsseldorf (Germany) opens two postdoctoral positions. The first position is on quantum optics with laser cooled atomic and molecular ions, comprising: (i) the manipulation of and precision measurements on cold molecular ions, for application to fundamental tests of physics. The planned work will extend on their results of rotational cooling (Nature Physics 6, 207 (2010)) and spectroscopy of the hydrogen molecular ion (Phys. Rev. Lett. 98, 173002 (2007)); (ii) studies of novel quantum systems based on trapped ions. The second position is in the framework of a project funded by the European Space Agency (ESA): The project goal is the development of an ultrastable optical oscillator, based on precise frequency stabilization of lasers by means of high-finesse optical reference cavities operated at cryogenic temperature. Goal performance is a frequency instability at the 1×10^{-16} relative level. Applications to radio science, optical clocks, precision spectroscopy and tests of Relativity will be pursued. The positions are available immediately and are up to 4 years in duration with a salary depending on qualification. Applicants should have strong experimental and theoretical skills and experience in laser spectroscopy, atomic physics or quantum optics. Apply with all materials by E-mail to: **Prof. S. Schiller**, step.schiller@uni-duesseldorf.de. For further information: Tel. +49-211-8112317, www.exphy.uni-duesseldorf.de. (源于 *Physics Today Job* [2011-07-10])



博士后岗位

[美国] University of Chicago

University of Chicago announces the 2012 postdoctoral research fellowship opportunity. Successful applicants will be expected to conduct original research in experimental, observational, numerical or theoretical cosmology in an active interdisciplinary environment. Research is focused on interdisciplinary topics in cosmological physics: studying the inflationary era, characterizing dark energy, and identifying the constituents of the dark matter. Experimental studies of the CMB (polarization anisotropy and the Sunyaev-Zel'dovich effect); analysis of cosmological data including CMB data and large-scale structure survey data; analysis of Sloan Digital Sky Survey data; development of the Dark Energy Survey; gravitational lensing studies; experimental particle astrophysics; direct detection of dark matter particles and numerous topics in theoretical cosmology constitute the current slate of activities. Please submit your application by completing the online application form at <http://kicp-fellowship.uchicago.edu/>. Requested information includes email contact information for 3 references who can independently write a letter of support for the applicant. Supplemental materials

(Cover Letter [optional]; Curriculum Vitae; Research Statement; List of Publications) should be submitted as PDF files on the application form (each up to 10MB). If you have any questions, please contact centerfellow2012@kicp.uchicago.edu. Review of applications will begin on November 1, 2011 for positions that will begin in the Summer or Fall of 2012. The positions will remain open until filled. (源于 *Physics Today Job* [2011-07-15])



博士后岗位

[美国] Rush University

Rush University opens medical imaging research position for an engineering-oriented physicist (or physics-inclined engineer). Their Group is funded by NIH and DOE to develop a novel cardiac SPECT/CT system for clinical diagnostic 3D imaging. Knowledge and experience of digital processing, image reconstruction, MC simulations (with Geant4 or GATE), radiation detectors, nuclear medicine instrumentation, data acquisition systems, and system integration are desirable. PhD or with equivalent experience in Physics or Engineering are required. (源于 *Physics Today Job* [2011-07-18])



博士后岗位

[美国] Massachusetts General
Hospital

Massachusetts General Hospital has openings for highly qualified individuals at the postdoctoral level to work on research related to molecular imaging, reconstruction and modeling (PET-CT, PET-MRI and SPECT-CT). Trainees have access to state-of-the-art imaging laboratories, including SPECT and PET-CT, a mobile PET-CT and the first MR-PET systems in the USA (both brain and whole-body), as well as a substantial computing facility for tomographic reconstruction, Monte Carlo simulation, parametric imaging, and other computationally intense research applications. Applicants must be U.S. citizens or permanent residents and must have obtained a PhD in nuclear, biomedical, electrical or computer engineering, physics, or a related field. Strong analytical and quantitative skills and facility in programming are essential. The successful candidate will have joint appointments in the Department of Radiology, Massachusetts General Hospital and the Harvard Medical School and will be part of an NIH research training program. Applicants are instructed to send their curriculum vitae, a letter describing your interest, background, and qualifications, and 3 letters of recommendation to: **Georges El Fakhri, PhD, Nuclear Medicine and Molecular Imaging Massachusetts General Hospital, White 427H, 55 Fruit Street, Boston, MA 02114, USA.** E-mail: elfakhri@pet.mgh.harvard.edu. (源于 *Physics Today Job* [2011-07-18])



博士后岗位

[美国] Washington State University

Washington State University has immediate openings for postdoctoral research associates to conduct experimental research on condensed matter phenomena (structural changes and chemical reactions) under dynamic high pressures using time-resolved optical spectroscopy and laser-interferometry. The scientific objectives are to relate shock wave induced structural changes and chemical reactions in condensed systems to the underlying microscopic mechanisms. They are looking for creative, self-motivated experimentalists who have the ability and interest to pursue challenging, interdisciplinary problems in a fast-paced research environment. Qualifications: A very recent PhD degree in Physics or Physical Chemistry; Hands-on experimental experience in using laser-spectroscopy or other optical measurements to probe condensed matter phenomena; Critical thinking, good judgment, clear sense of purpose, attention to details, and accountability. Prior experience in shock wave or dynamic high-pressure research is not required. However, strong hands-on experimental skills relevant to the scientific objectives listed above are essential. Applicants should submit a letter of application explicitly addressing the qualifications for this position and date of availability; detailed curriculum vitae; and the names, email, and addresses for three professional references to: **Professor Y.M. Gupta, Institute for Shock Physics, Washington State University, PO Box 642816, Pullman, WA 99164-2816, USA or via E-mail at ispjjobs@wsu.edu.** (源于 Physics Today Job [2011-07-19])



博士后岗位

[美国] Old Dominion University

Old Dominion University invites applications for a postdoctoral research associate position in theoretical hadron spectroscopy beginning in fall 2011. The successful applicant will work with Prof. Jozef Dudek and his colleagues at Thomas Jefferson National Accelerator Facility on a program exploring meson spectroscopy using lattice QCD methods. The applicant must have a PhD or equivalent in theoretical high-energy or nuclear physics and should have a background either in lattice QCD or another theoretical approach to hadron physics. Some computer programming experience is required. Applicants should send a CV, list of publications, brief statement of research interests and arrange to have at least two letters of recommendation sent to **Old Dominion University Research Foundation, P.O. Box 6369, Norfolk, VA 23508, USA or E-mail to odurfjobs@odu.edu. Specify job #11016.** Applications will be reviewed starting Sept. 1st 2011 and will continue until the position is filled. (源于 Physics Today Job [2011-07-20])

Imperial College 博士后岗位

London

[英国] Imperial College London

Imperial College London opens a three-year postdoctoral research

position. The requirement of the post is to quantitatively model how biological cells sense and process information with high fidelity and precision. The successful candidate will develop models of receptor sensing and adaptation using a variety of analytical and numerical methods. Specifically, the significance of active, energy-consuming strategies by the cell will be investigated. You must hold a PhD (or equivalent qualification) in Physics, Mathematics, Bioengineering, Computational Biology or related field. Their preferred method of application is online via their website **<http://www3.imperial.ac.uk/employment>** (please select "Job Search" then enter the job title or vacancy reference number including spaces - NS 2011 122 KT into "Keywords"). Please complete and upload application form as directed, attaching a Curriculum Vitae, a cover letter, statement of research accomplishments, and name and contact details of two referees. For informal enquiries please contact Dr Robert Endres, E-mail: **r.endres@imperial.ac.uk**. Alternatively, if you are unable to apply online, please contact Dr. Louise English at **bioinformatics@imperial.ac.uk** to request an application form. Closing date: 31st August 2011. (源于 Physics Today Job [2011-07-20])



博士后岗位

[瑞典] Swedish Research Council

Swedish Research Council opens positions for postdoctoral. This grant enables researchers with doctorates (PhDs or equivalent) to work at Swedish higher education institutions or research establishments. The programme spans two years. Research areas: Natural Sciences; Engineering Sciences; Medicine; Humanities; Social Sciences; Educational Sciences; Artistic research and development. Call for applications opens early July. Submission deadline is August 25, 2011. Further information at **www.vr.se**. (源于 Science [2011-07-22])



博士后岗位

[美国] Virginia Commonwealth University

Virginia Commonwealth University (VCU) is seeking a postdoctoral fellow with a MD or PhD. The position will report to the Principal Investigator of an NIH-funded laboratory. The role of the Postdoctoral Fellow will be to investigate basic mechanisms of inflammation-induced fibrosis and stricture formation in human and animal intestine and to test translational treatments in animal models. The successful applicant will have demonstrated research experience using molecular biologic, pharmacologic, and microscopic imaging techniques in vitro and in vivo. The position involves animal surgery and maintenance of anesthetized animals. Demonstrated organizational skills, ability to self-direct and keep abreast of new research findings, conduct experiments and analyze results independently but also to work as part of a research team, and ability to co-supervise graduate students are plusses. To apply, send curriculum vitae and personal statement to Dr. John

Kuemmerle at E-mail: john.kuemmerle@vcu.edu. (源于 *Science* [2011-07-22])



助理教授岗位

[美国] University of Evansville

University of Evansville invites applications for a one-year appointment, at the rank of visiting assistant professor to begin in August 2011. The successful candidate may be considered for an anticipated tenure-track appointment, expected to open in Fall, 2012. The normal teaching load is 20-21 semester hours per year, and he/she will be expected to hold 10 office hours per week and to participate in departmental and university service activities. The teaching responsibilities will include introductory and advanced undergraduate physics courses and labs. The ability to teach introductory astronomy would be a plus. PhD in physics preferred; ABD considered. Teaching experience at the college level preferred. The Physics Department graduates 2-3 majors per year, with 90% going on for advanced degrees, mostly in physics. For more information about the program, visit <http://physics.evansville.edu>. Send a letter of application, a curriculum vitae, evidence of teaching effectiveness, a copy of transcripts, and three letters of recommendation (at least one of which addresses teaching) to **Dr. Jeffrey Braun, Chair, Physics Department, University of Evansville, 1800 Lincoln Avenue, Evansville, IN 47722, USA** or to jb53@evansville.edu. Review of the candidates will begin immediately and will continue until the position is filled. (源于 *Physics Today Job* [2011-07-12])



助理教授岗位

[美国] Yale University

Yale University invites applications for a junior faculty position in the area of experimental nuclear physics, broadly defined. The successful candidate will join an active group of experimentalists and theorists conducting research in neutrino oscillations, dark matter searches, nuclear structure, nuclear astrophysics, and relativistic heavy ion physics, using world-class facilities on the Yale University campus and elsewhere. They are especially interested in candidates whose research program is in weak interaction physics. Yale faculty are expected to lead internationally recognized and forefront research programs. An appointment at the assistant professor level is expected, although in exceptional cases, an appointment at the level of professor could be considered. Applicants are encouraged to apply online at <https://academicjobsonline.org/ajob/jobs/765> and must submit a letter of application (pdf format), curriculum vita, publication list, and a brief description of proposed research. Applicants should also arrange for 3 letters of recommendation to be uploaded to the same URL (which can happen only after the applicant has created a profile). For further information about the position, contact **Professor Keith Baker,**

Chair of the Nuclear Physics Search Committee (keith.baker@yale.edu) or Professor Meg Urry, Chair of the Physics Department (meg.urry@yale.edu). Applications that are complete by November 1, 2011 will be assured of full consideration. (源于 *Physics Today Job* [2011-07-13])



助理教授岗位

[美国] Creighton University

Creighton University have an opening for a tenure-track position at the rank of assistant professor beginning in August 2012. The initial application includes a cover letter, a current curriculum vitae, a statement of teaching philosophy consistent with the tradition of Jesuit liberal arts education, a research plan, and names and contact information for three professional references. A PhD is required. Initial applications must be submitted electronically at <https://careers.creighton.edu>. Applicants who advance beyond the initial selection process will be asked to provide the following additional documents directly to the Physics department: undergraduate and graduate transcripts, letters of recommendation from the candidate's three references, and evidence of successful teaching (if available). These materials must be provided within one week of being requested for full consideration, so applicants may wish to ask references to have letters prepared prior to notification. Initial submission of the documents may be electronic, but original copies will be required prior to a campus visit. Applications will be accepted until the position is filled, but review of applications will begin September 26, 2011. (源于 *Physics Today Job* [2011-07-14])



助理教授岗位

[美国] Grinnell College

Grinnell college opens tenure-track position for assistant professor (PhD in physics, astronomy or a closely related field completed by the start of the position required), starting Fall 2012. Postdoctoral experience preferred. The physics department has seven faculty members with active research programs; for more information see <http://www.grinnell.edu/academic/physics/>. The department graduates on average 15 physics majors per year, nearly one-half of whom are women or under-represented minorities. Teaching schedule of five courses over two semesters, with a lab counting as half a course. The successful candidate is expected to teach at all levels of a rigorous undergraduate curriculum; every few years one course will be Tutorial (a writing/critical thinking course for first-year students, oriented toward a special topic of the instructor's choice). For full description and application instructions, please go to <https://jobs.grinnell.edu>. Questions about this search should be directed to the search chair, Professor Sujeev Wickramasekara, at PhysicsSearch@grinnell.edu or 641-269-3172. (源于 *Physics Today Job* [2011-07-20])



助理教授岗位

[美国] Pennsylvania State University

Pennsylvania State University opens a Tenure-Track Faculty Position (assistant professor level) in the Department of Anesthesiology to strengthen and complement existing neurophysiology and neuropharmacology research with ample opportunities for extensive in vitro, whole animal, and human subject research. The candidate must have an outstanding record of research accomplishments, as documented by publications in leading peer-reviewed journals. Specific area of emphasis includes, but is not limited, to opioid research employing electrophysiological, biochemical, imaging, and molecular approaches. The successful applicant will be provided with a generous package including competitive salary, startup funds, and ample laboratory space. The candidate will be expected to establish an externally funded research program and actively collaborate with other basic and clinical investigators in the department. To learn more about the Department of Anesthesiology please visit **website: <http://www.pennstatehershey.org/web/anesthesia/home>**. Please send a cover letter, curriculum vitae, a two- to four-page research plan, and arrange for submission of three letters of recommendation. Application materials can be sent electronically to E-mail: **vrizvelasco@psu.edu** or by mail to: **Victor Ruiz-Velasco, PhD, Associate Vice Chair for Basic Science Research, Department of Anesthesiology, Penn State Hershey Medical Center, P.O. Box 850, H187, Hershey, PA 17033, USA.** (源于 *Science* [2011-07-22])



助理教授/副教授/教授岗位

[美国] Ohio State University

Ohio State University is initiating a search for outstanding scientists for tenure-track faculty positions at open level. The Dorothy M. Davis Heart and Lung Research Institute (DHLRI) at the Ohio State University Medical Center is a 100,000 square foot, comprehensive, state-of-the-art research facility that opened in October 2000. Candidates should have a relevant doctoral degree, at least two years of postdoctoral training, a commitment to basic/translational pulmonary science, and a history of strong research productivity. Individuals will be evaluated on their ability to establish innovative independent research programs as well as develop collaborative areas of focus with existing programs. Individuals must have strong communication and interpersonal skills. Applications should include a detailed curriculum vitae, a description of research experience, and a statement concerning the nature of the planned independent research program. Information about the University and the DHLRI can be obtained by contacting their websites: <http://www.osu.edu> and <http://heartlung.osu.edu>. Application material should be sent to: **Lorri A. Fowler, MBA, Administrative Director, 473 West 12th Avenue, Columbus, OH 43210-1252, USA.** E-mail: **fowler.142@osu.edu**. (源于 *Science* [2011-07-22])



助理教授/副教授/教授岗位

[美国] University of Michigan

University of Michigan has five tenure-track faculty positions

available in a cluster focusing on biological networks on multiple levels of organization, from molecules and genes to individuals in social systems to entire ecosystems or health systems. Positions are likely to be at the assistant professor level, although exceptional candidates at higher ranks will be considered. Not all positions may be filled this year. They are searching for individuals with interdisciplinary interests who develop and/or use theoretical, computational, statistical, experimental, and/or observational approaches to understand how the structure, evolution, and dynamics of networks relate to their function, robustness, and control. Each hire will have an appointment in one of the five tenure-granting units listed below and will participate in ongoing and new interdisciplinary activities using network approaches, including potential affiliation with the Center for the Study of Complex Systems. Hiring units include: (1) Ecology and Evolutionary Biology, (2) Molecular, Cellular, and Developmental Biology, (3) Biophysics (all in the College of Literature, Science, and the Arts), (4) Epidemiology in the School of Public Health, and (5) the Center for Computational Medicine and Bioinformatics in the School of Medicine. Teaching duties will depend on curricular needs of the unit. Information regarding the cluster search and links to participating academic units and related research and education initiatives can be found at **<https://sitemaker.umich.edu/encrypt/biologicalnetworks/home>**. To apply, please see **www.lsa.umich.edu/eeb/apply/networksearch**, and arrange to have three letters of recommendation submitted through the same website. Review of applications will begin on 15 September 2011. (源于 *Science* [2011-07-22])



助理教授/副教授/教授岗位

[美国] University of Texas

University of Texas invites applications from an extramurally funded, outstanding pathologist for a position in the Department of Pathology. Track record of successful research and current extramural funding required. Responsibilities include maintenance of a competitive research program and approximately 25 percent time devoted to coverage of surgical and clinical pathology service shared with an experienced expert lung pathologist. Resources to support this recruitment include ample laboratory space and unique UT System resources. The successful candidate will bring a dynamic independent research program in a discipline related to the mission of UTHSCT. Preference given to programs in lung inflammation and repair, aspects of matrix biology or cancer cell biology. Assistant, Associate and Full Professor level candidates will be considered. Applicants should submit their curriculum vitae, a statement of future research plans and the names of three references to: **Drs. Mark Atkinson and Tim Allen, Faculty Search Committee Co-Chairs, University of Texas Health Science Center at Tyler, 11937 US Highway 271, Tyler, Texas 75708-3154, USA** or by E-mail to **mark.atkinson@uthct.edu** and **timothy.allen@uthct.edu**. (源于 *Science* [2011-07-22])

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