

Lamont-Doherty Earth Observatory  
COLUMBIA UNIVERSITY | EARTH INSTITUTE

## Postdoctoral Fellowships in the Earth, Environmental, and Ocean Sciences

Lamont-Doherty Earth Observatory of Columbia University invites applications for Postdoctoral fellowships in the fields of the earth, environmental or ocean sciences. Candidates should have recently completed their Ph.D. or should expect to complete their degree requirements by September, 2012.

Researchers at the Observatory work to understand the dynamics of the earth's chemical, physical and biological systems, from the core to the upper atmosphere, including interactions with humankind. The principal selection criteria for Fellows are scientific excellence and a clearly expressed plan to investigate problems at the forefront of earth science.

Our scientists lead research in the fields of solid earth dynamics (e.g. seismology, geodesy, mantle dynamics, petrology/geochemistry, earthquake and rock mechanics, marine and continental tectonics/geology/geophysics), ocean and atmospheric dynamics (e.g. climate/paleoclimate, climate forecasting, physical/chemical oceanography) and life sciences (e.g. biological oceanography, biogeosciences, plant physiology, paleontology). Applications from all fields are encouraged. In addition, we are also developing programs in the ocean's role in the global carbon cycle, coastal and estuarine processes, terrestrial ecology, natural hazards, and cryosphere studies.

The fellowships are supported institutionally for 21 months, include a \$5,000 research allowance, and carry an annual stipend of \$56,000. Successful candidates will be encouraged to apply for external funding and may be eligible for further internal awards and positions.

The deadline for completed applications for the Postdoctoral Fellowship is January 13, 2012. Award announcement will be in April, 2012.

Application forms should be completed online and submitted electronically –  
<http://www.ldeo.columbia.edu/postdocs>

For more information contact: The Office of the Director - Lamont-Doherty Earth Observatory of Columbia University, Palisades, New York 10964

Telephone: 845-365-8546 • Fax: 845-365-8162  
• [director@ldeo.columbia.edu](mailto:director@ldeo.columbia.edu)

Related Postdoctoral Opportunities are available at the Earth Institute at Columbia University  
<http://www.earthinstitute.columbia.edu/postdoc/>

*Lamont-Doherty Earth Observatory is committed to diversity.*

Columbia University is an Affirmative Action/Equal Opportunity Employer.

NW216226R



## ASSISTANT PROFESSOR

# NORDITA

Nordita, the Nordic Institute for Theoretical Physics in Stockholm, Sweden, invites applications for an assistant professor position in

### Theoretical Condensed Matter Physics

The appointment is for a period of **five years**, and will start in September 2012 or at some other date to be agreed upon. Particular attention will be paid to applications from young scientists (PhD within the last five years) with a strong record of original research.

The application deadline is **22 November, 2011**.

Only online applications will be accepted. The application procedure is posted on [jam.nordita.org](http://jam.nordita.org).

The successful applicant is expected to guide fellows at the postdoctoral level, to interact with colleagues at Nordita and its environment as well as elsewhere in the Nordic countries, and to take an active part in the organization of meetings and advanced courses. The position provides excellent opportunities to pursue original research and to be in contact with a wide range of developments in theoretical physics. There is good support for travel to other institutes and to meetings, and assistant professors are encouraged to invite visiting scientists to Nordita. More information about research at Nordita can be found at [www.nordita.org](http://www.nordita.org).

W216600R



energie atomique • énergies alternatives



The French Alternative Energies and Atomic Energy Commission (CEA) ranks as one of the foremost research organisations in Europe, with respect to energy, defence & security, and health & information technologies.

At CEA, an outstanding fundamental research is leading to technological innovation. CEA's ambition is to become a key actor of the European Research Area (ERA). It also goes into an increasing number of national and international partnerships and programmes, such as *Eurotalents*. This ongoing programme co-financed by the Marie Curie COFUND action and CEA aims at increasing and facilitating international mobility of scientists.

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**500 new PhDs/year**  
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For more information on job opportunities at CEA please visit [www.cea.fr](http://www.cea.fr) and [eurotalents.cea.fr](http://eurotalents.cea.fr).



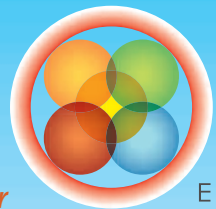
**Eurotalents**



NW216777R

Postdoc Positions

Discovering  
Nature's Secrets  
and the Molecular  
Basis of Life

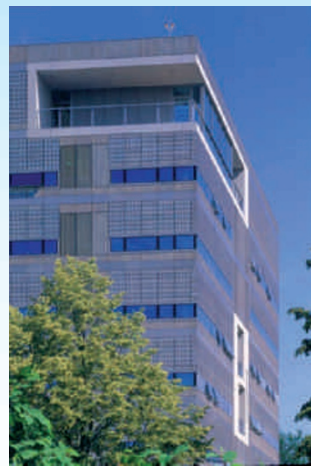


EXZELLENZCLUSTER  
**CellNetworks**

UNIVERSITÄT  
HEIDELBERG  
Zukunft. Seit 1386.

The Cluster of Excellence CellNetworks, centered on world-renowned **Heidelberg University**, unites more than 100 leading research groups from the faculties of Medicine, Bioscience and Natural Science, DKFZ, EMBL, MPI for Medical Research and the Central Institute for Mental Health, in one common objective: to explore complex networks within and beyond the cell, to describe functional interaction in unprecedented detail and truly understand how it all fits into place.

We focus on life-science with expertise from biology, medicine, physical chemistry, biophysics, material science and advanced computation.



To outstanding scientists we offer several **postdoc positions** in the CellNetworks research group of their choice. We provide a distinguished two year contract including separate consumable funds of 10.000 € per year. Your application should include a CV, a list of publications, a project proposal and two reference addresses.

The online application platform will be open from **22 September to 2 November 2011**. Please inquire at our website, find further information about the participating research groups of the cluster and contact your preferred group leader.

[www.cellnetworks.de](http://www.cellnetworks.de)

W216653R

**Announcing:**  
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# POSTDOCTORAL POSITIONS

The Research Foundation of Stony Brook University/SUNY anticipates the following postdoctoral positions being available.

## • BIOCHEMISTRY AND CELL BIOLOGY

*The Molecular Mechanism Underlying the Neurodevelopmental Disorder Rett Syndrome;*  
Dr. Nurit Ballas, WC-R-6662-11-07-F

*Structure and Function of Biological Macromolecular Complexes;*  
Dr. Huilin Li, WC-R-6894-11-07-S

*Study Chromatin Remodeling, Genome Regulation, and Transcription in Yeast;*  
Dr. Edward E. Luk, WC-R-6883-11-07-S

## • BIOMEDICAL ENGINEERING

*Study and development of advanced optical imaging techniques for in vivo biomedical studies;* Dr. Yingtian Pan, WC-R-6904-11-08-S

## • CHEMISTRY

*Solid state chemistry/physics, thin films, solar photochemistry, semiconductors;*  
Dr. Peter Khalfah, WC-R-6889-11-07-S

*Computer simulation of biomolecular systems;* Dr. Carlos Simmerling,  
WC-R-6890-11-07-S

## • COMPUTER SCIENCE AND THE CENTER FOR EXCELLENCE IN WIRELESS INFORMATION AND TECHNOLOGY (CEWIT)

*Conduct research on graphics, virtual reality, visualization and/or imaging projects;* Stella Mannino, WC-R-6703-11-05-F

## • NEUROBIOLOGY AND BEHAVIOR

*Experiments aimed at investigating plasticity in cortical circuits;*  
Marlene Vera-Viteri, WC-R-6892-11-07-S

## • PHARMACOLOGICAL SCIENCES

*DNA damage and repair, diabetes, neuropharmacology and/or mitochondrial or lipid biology;* Dr. Michael Frohman, HS-R-6891-11-07-S

## • PHYSICS

*Hardware, Software, Calibration, and Physics Analysis of the T2K Experiment;* Dr. Chang Kee Jung, WC-R-6884-11-07-S

*ATLAS data analysis and development for pixel detector upgrade;*  
Dr. Dmitri Tsybychev, WC-R-6885-11-07-S

## • RADIOLOGY

*Research position in medical X-ray image sensor development;*  
Dr. Wei Zhao, WC-R-6887-11-07-S

## • SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES (SOMAS)

*To assay phytoplankton for gene expression under varying environmental conditions;* Dr. Christopher J. Gobler, SH-R-6893-11-07-S

To apply online and for information visit [www.stonybrook.edu/jobs](http://www.stonybrook.edu/jobs) or mail résumés to:

Office of the President, Stony Brook University, Stony Brook, NY 11794-0701.

Stony Brook University/SUNY is an affirmative action, equal opportunity educator and employer.

NW215367R



## Postdoctoral Position in Biochemistry and Structural Biology of Cys-based proteins University of Sao Paulo Sao Paulo, BRAZIL

A postdoctoral position is available for research in one of the following areas: structural biology, antioxidant protein mechanism of action, or oxidative stress response. Our program encompasses a broad range of methodologies including: biochemistry, genetics, chemistry and pharmacy. Studies will be directed on different aspects of Cys-based proteins such as thioredoxin, glutaredoxin, peroxiredoxin and a new class of proteins named Ohr (Organic Hydroperoxide Resistance Proteins). More details and publications are available on [www.ib.usp.br/antioxidantes](http://www.ib.usp.br/antioxidantes).

Interested candidates should submit a CV, two letters of recommendation and a statement of interest to:

Luis Netto ([nettoluis@yahoo.com.br](mailto:nettoluis@yahoo.com.br))  
Department of Genetics  
and Evolutionary Biology  
Institute of Biosciences  
University of Sao Paulo

NW216665R

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# 50 Years of Science in Brazil and Challenges Ahead

FAPESP Week

October, 24 – 26, 2011

Woodrow Wilson International Center for Scholars  
Washington, DC

Sponsored by: São Paulo Research Foundation (FAPESP), Woodrow Wilson International Center for Scholars, National Science Foundation (NSF), Ohio State University

More information: [www.fapesp.br/week](http://www.fapesp.br/week)

NW216647E



## Harry S. Truman Research Fellowship In National Security Science and Engineering

Sandia National Laboratories is one of the country's largest research facilities employing 8,500 people at major facilities in Albuquerque, New Mexico and Livermore, California. Please visit our website at [www.sandia.gov](http://www.sandia.gov).

We are searching for outstanding Ph.D. candidates to apply for the Harry S. Truman Research Fellowship in National Security Science and Engineering. The Truman Fellowship provides the opportunity for recipients to pursue independent research of their choosing that supports Sandia's national security mission. Candidates are expected to have solved a major scientific or engineering problem in their thesis work or will have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field.

Candidates must have received a Ph.D. within the past 3 years, or will complete all Ph.D. requirements by commencement of appointment, with a broad-based background and extensive knowledge of research in one or more of the following focus areas: bioscience, computers and information science, engineering sciences, materials science and technology, microelectronics and microsystems, and pulsed power. Candidates must be seeking their first national laboratory appointment (pre postdoc internships excluded), have excellent academic (minimum 3.5 undergraduate and 3.7 graduate GPA preferred) and research qualifications, good communication skills, and enjoy working in a team-oriented, dynamic environment.

This initial one-year appointment may be extended, at management's discretion, for two additional one-year appointments. The salary is \$111,200 per year plus benefits and additional funding for the chosen research proposal. This position requires a United States Department of Energy security clearance, which requires United States citizenship.

For complete application instructions, please visit:

<http://www.sandia.gov/careers/fellowships.html#truman>

Please submit the complete package to: Yolanda Moreno, Sandia National Laboratories, P.O. Box 5800, MS: 0359, Albuquerque, New Mexico 87185-0359, or email [yomoreno@sandia.gov](mailto:yomoreno@sandia.gov), or fax 505-845-0580. Please reference: Job #638406. All materials and online application must be received by COB December 5, 2011.

U.S. Citizenship Required. Equal Opportunity Employer. M/F/D/V.



NW214171R

## Global Change Ecology Assistant Professor

### University of Illinois at Urbana-Champaign

The School of Integrative Biology and the School of Earth, Society, and Environment at the University of Illinois, Urbana-Champaign, seek an outstanding ecologist who studies biogeochemical cycles at landscape to global scales using observational, experimental, theoretical and/or modeling techniques. Candidates must have a Ph.D. or equivalent in a relevant field. Post-doctoral experience is highly desirable. The successful candidate will be expected to develop an externally funded research program, teach at undergraduate and graduate levels, and collaborate with faculty to develop research initiatives in global change ecology and earth system science.

The University of Illinois is a public university with more than 40,000 students and provides a highly collaborative and supportive academic environment, with opportunities for interactions with the Program in Ecology, Evolution, and Conservation Biology; the Center for Water as a Complex Environmental System; the Energy Bioscience Institute; the Institute for Genomic Biology; the National Center for Supercomputer Applications; the Beckman Institute; the Center for Transformative Climate Solutions, and the Illinois State Natural History, Geological, and Water Surveys.

Urbana-Champaign, located 120 miles south of Chicago, is home to a diverse ethnic population, and provides superb public and private schools, a variety of cultural opportunities, quality public transportation, and a rapidly expanding community of high-tech businesses.

The appointment is for a full-time tenure-track Assistant Professor. The target start date is August 16, 2012. Salary is commensurate with experience.

To ensure full consideration, please create your candidate profile through <http://go.illinois.edu/GCEAsstProf> and upload your application letter, curriculum vitae, summary of research and plans, teaching philosophy and experience, and contact information for three professional references by October 21, 2011. Referees will be contacted electronically upon the submission of the application. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. For further information contact Global Change Ecology Search Chair, [sib@life.illinois.edu](mailto:sib@life.illinois.edu).

Illinois is an Affirmative Action /Equal Opportunity Employer and welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. ([www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu)).

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