With a staff of 4700, Forschungszentrum Jülich – a member of the Helmholtz Association – is one of the largest interdisciplinary research centres in Europe. Work with us on the grand challenges in the fields of health, energy & environment, and information technology, as well as on the many and varied tasks of research management.

The Nuclear Waste Management and Reactor Safety part of the Institute for Energy and Climate Research contributes fundamental and applied research for the safe management of nuclear waste and the safe operation of nuclear reactors. Research topics are to a large extent material science oriented and include the long-term safety of nuclear waste disposal, innovative waste management strategies (partitioning, conditioning, transmutation), structure research (actinide solid state chemistry), non-destructive characterisation of nuclear waste and nuclear safeguards.

This team currently has a vacancy for a

**GROUP LEADER (m/f) in Computational Science**

**Five year funding to establish a research group, tenure-option**

**Job description:**
Forschungszentrum Jülich plans to establish a Young Investigators Group focused on furthering our understanding of materials relevant to the safe management of high level nuclear waste on the basis of simulations on the atomistic, nano- and mesoscale. Typical research projects would include the modeling of the incorporation of actinides into crystalline solids, or the interaction of aqueous actinide species with solid surfaces.

Forschungszentrum Jülich operates one of the most powerful computer systems for scientific and technical applications in Europe, including the petaflop computer JUGENE and the supercomputer JUROPA, and provides the adequate scientific infrastructure for the project.

The position offers you five years of funding to establish your own research group. The grant will include the group leader position, PhD and/or postdoctoral fellows. It is envisaged that the group will consist of four team members with complementary computational skills. The tenure option (permanent position) will depend on the positive outcome of a midterm evaluation which will be conducted about four years after start. A joint appointment as junior professor (W1) will be made wherever applicable with our partner RWTH Aachen University.

**Qualifications and skills required:**
In order to contribute to the research programme of the Institute for Energy and Climate Research/Nuclear Waste Management and Reactor Safety, it is expected that a wide variety of computational approaches, ranging from highly accurate parameter-free atomistic modeling approaches to semi-empirical and/or empirical methods capable of describing interactions on the nano- or mesoscale will be adopted and developed within the Young Investigators Group.

The successful candidate is expected to conduct visionary independent research and will have extensive experience in code development, for example as a co-developer of a DFT package or in the context of developing a QM/MM approach. He/she will closely cooperate with the experimental research programme of the institute and is expected to acquire third party funding. As this group will initially be established as a Young Investigators Group, the candidate must have obtained a PhD within the last 6 years and should have spent at least 6 months abroad.

Salary and social benefits will conform to the provisions of the German civil service.

The implementation of equal opportunities is a cornerstone of our staff policy at Forschungszentrum Jülich, for which we have received the „TOTAL E-QUALITY“ Award. Applications from women are therefore particularly welcome. We also welcome applications from disabled persons.

Please send your application following the specific requirements (as indicated in the job advertisement on our website www.fz-juelich.de/careers), quoting the reference code 138/2011SC, until August 19th, 2011 to:

**Forschungszentrum Jülich GmbH**

Geschäftsbereich Personal
- Personalentwicklung -
52425 Jülich
Germany

contact:
Barbara Küppers
phone: +49 2461 61-5358
www.fz-juelich.de
The Department of Genetics and Comprehensive Cancer Center at the University of Alabama at Birmingham is seeking exceptional faculty members for this new university slated to matriculate its first intake of students in April 2012.

SUTD, the first university in the world with a focus on design accomplished through an integrated multi-disciplinary curriculum, has a mission to advance knowledge and nurture technically grounded leaders and innovators to serve societal needs. SUTD is characterised by a breadth of intellectual perspectives (the ‘university’), a focus on engineering foundations (‘technology’) and an emphasis on innovation and creativity (‘design’). The University’s programmes are based on four pillars leading to separate degree programmes in Architecture and Sustainable Design, Engineering Product Development, Engineering Systems and Design, and Information Systems Technology and Design. Design, as an academic discipline, cuts across the curriculum and will be the framework for novel research and educational programmes.

MIT’s multi-faceted collaboration with SUTD includes the development of new courses and curricula, assistance with the early deployment of courses in Singapore, assistance with faculty and student recruiting, mentoring, and career development, and collaborating on a major joint research projects, through a major new international design centre and student exchanges. Many of the newly hired SUTD faculty will spend up to year at MIT in a specially tailored programme for collaboration and professional development.

Faculty Positions

The qualifications for the faculty position include: an earned doctorate in Biology, Biomedical Sciences, Chemistry, Chemical Engineering, a strong commitment to teaching at the undergraduate and graduate levels, a demonstrated record of, or potential for scholarly research, and excellent communication skills.

We invite applications for interdisciplinary faculty appointments at all levels, with many opportunities available in particular at the Assistant and Associate Professor levels. Duties include teaching of graduate and undergraduate students, research, supervision of student research, advising undergraduate student projects, and service to SUTD and the community. Faculty will be expected to develop and sustain a strong research programme. Attractive research grant opportunities are also available.

Successful candidates can look forward to internationally competitive remuneration, and assistance for relocation to Singapore.

If you want to be part of the founding faculty that will shape the world of tomorrow, please apply to SUTD at www.sutd.edu.sg.

The University of Birmingham is an Equal Opportunity, Affirmative Action Employer with a strong commitment to ethnic and cultural diversity among its faculty, students and staff. Applications from women and ethnic minorities are encouraged.
The Novo Nordisk Foundation Center for Basic Metabolic Research

Group Leaders and Postdocs

We invite letters of interest for a number of positions as group leaders and postdocs at the Novo Nordisk Foundation Center for Basic Metabolic Research at the University of Copenhagen (www.metabol.ku.dk).

We wish to recruit highly committed group leaders and postdocs to establish new research groups at the Center, carrying out basic metabolic research of the highest scientific impact and standard on an independent basis but in close collaboration with the other groups at the Center. It is anticipated that the group leaders should be able to attract significant research funding in addition to the Center contribution.

You should have an excellent track-record, international reputation and documented abilities. Our goal is to build and maintain a highly integrated research environment to harvest synergies across the whole Center and its International collaborators, thus an enthusiastic, dedicated and collaborative attitude is essential.

The positions in the Section of Metabolic Genetics headed by Professor Oluf B. Pedersen
www.metabol.ku.dk/scientific_sections/metabolic_genetics/
E-mail: borbye@sund.ku.dk

- **Two group leaders** at the level of full or associate professor - to build and lead development of 1) a unit for advanced statistical genetics involving whole genome sequencing studies of cardio-metabolic traits and 2) a unit for metagenomics-driven studies of the human gut microbiome

- **Two postdocs or assistant professors** - to work in the fields of human genomics discovery, genetic epidemiology and genetic physiology in collaboration with present investigators at the section.

The positions in the Section of Integrative Physiology headed by Professor Juleen Zierath
www.metabol.ku.dk/scientific_sections/integrative_physiology/
E-mail: juleen.zierath@sund.ku.dk

- **Group leader** at the level of assistant or associate professor - to build and lead research aiming at understanding the mechanism by which lifestyle factors including nutrition and physical exercise influence whole body insulin sensitivity and energy homeostasis in Type 2 diabetes and obesity. The potential candidate should have documented experience in research focused on the identification and biological validation of metabolic pathways and key regulatory genes that cause insulin resistance in Type 2 diabetes.

- **Two postdocs** - to work in the area of epigenetics and development of insulin resistance together with group leader, assistant professor Romain Barres and on molecular mechanisms controlling metabolism in skeletal muscle together with group leader, assistant professor Jonas Thue Treebak.

The Novo Nordisk Foundation Center for Basic Metabolic Research is an integral part of Faculty of Health Sciences financed by an 885 mill DKK (approx. 110 mio EURO) unconditional, 10 year grant to University of Copenhagen from the Novo Nordisk Foundation (www.novonordiskfonden.dk/en).

The vision of the Center is to become a leading center of excellence for interdisciplinary basic metabolic research evolving from the three thematic areas to generate cutting edge and profound knowledge about metabolic functions as the basis for the development of novel means of diagnosis, prevention and treatment of common metabolic diseases.
The positions in the Section of Metabolic Receptology and Enteroendocrinology headed by Professor Thue W. Schwartz
www.metabol.ku.dk/scientific_sections/metabolic_receptiology_and_enteroendocrinology/ 
E-mail: tws@sund.ku.dk

• Two group leaders at the assistant or associate professor level - to build and lead research in novel, complementing areas of Enteroendocrinology. Candidates with a background in, for example in vitro and in vivo bioimaging, sensory biology or endocrine stem cell biology are particularly encouraged to send letters of interest.

• Two postdocs - to work in the research area of molecular and cellular Enteroendocrinology and/or gut-brain axis in collaboration with the research director or with group leader, associate professor Birgitte Holst.

If you are interested, please send letter of interest asap or preferably before August 15 to metabol@sund.ku.dk.

Please note that this advertisement is only a call for expression of interest.

The Faculty of Health Sciences comprises app. 4500 students, app. 900 PhD students and app. 2100 employees. The Faculty creates new knowledge and recognition through its core activities: research, teaching, knowledge sharing and communication. With basic research fields ranging from molecular studies to studies of society, the Faculty contributes to a healthy future through its graduates, research findings and inventions for the benefit of patients and the community.
Postdoc Survey
Special Career Feature:
August 26, 2011
Reserve your ad by August 9 to guarantee space.*

*Ads accepted until August 22 if space is still available.

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POSTDOCTORAL FELLOWSHIPS CENTER FOR EPIGENETICS

Johns Hopkins University
School of Medicine

Postdoctoral fellowships are available for the study of the epigenetic basis of common human disease, including genomic and mechanistic studies (see epigenetics.jhu.edu; Nature Genetics 2009, 41:178-186; Nature 2010, 467: 285-290; Nature Biotech 2010, 10: 1949-1952; Nature Genetics 2011, doi: 10.1038/ng.865). The candidate should be a prospective or recent recipient of a Ph.D. or M.D./Ph.D. with good publication(s) in genetics or genomics.

Please e-mail Dr. Andrew P. Feinberg a curriculum vitae, statement of research interests and names and email addresses of three references, but no other attachments, to afeinberg@jhu.edu or visit our website at epigenetics.jhu.edu/feinberglab.

Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

DEAN COLLEGE OF SCIENCE
(REOPENED)

California State Polytechnic University, Pomona (Cal Poly Pomona) invites nominations and applications for the position of Dean of the College of Science. The Dean is the chief academic officer of the College of Science and provides academic leadership for faculty, staff, and students in the college. We seek a scholar with a vision for promoting excellence in undergraduate and graduate teaching, research and other scholarly activities, as well as service. Candidates should have outstanding leadership, management, and interpersonal skills, a record of excellence in teaching and externally-funded scholarly activity, and a significant record of department, college, and university service. The successful candidate will be expected to articulate and implement a vision for expanding faculty research productivity in a way that enhances our educational programs. Detailed information about this position may be found online at http://sci.csupomona.edu/dean_search/.

One of eight Colleges on the campus, the College of Science has approximately 2,800 undergraduate majors in nineteen degree programs offered by seven academic departments: Biological Sciences, Chemistry, Computer Science, Geological Sciences, Kinesiology & Health Promotion, Mathematics and Statistics, and Physics. Master’s degree programs enrolling approximately 230 students are offered in Biological Sciences, Chemistry, Computer Science, Kinesiology, and Mathematics. The College of Science is committed to excellence in teaching and scholarship and is the largest single recipient of extramural funding on campus. Additional information about the College may be found online at http://sci.csupomona.edu/.

Cal Poly Pomona, located about 30 miles east of downtown Los Angeles, is one of 23 campuses in the California State University system. The University has an ethnically diverse student population of 20,000. Students are enrolled in 62 undergraduate majors and 19 master's degree programs. Additional information about the University may be found online at http://www.csupomona.edu/.

Review of applications will begin on September 16, 2011 and will continue until the position is filled. The University seeks to fill this position by spring 2012, however, later dates are possible. Applicants must forward (1) a letter of interest, which explains in detail the candidate’s administrative philosophy and vision; (2) a curriculum vitae; and (3) the names and contact information of five references (with a brief note describing the relationship of the references to the applicant) to: Sharon Tanabe, Partner, stsearch@storbeckpimentel.com, RE: CPP DS2, Storbeck/Pimentel & Associates, 1111 Corporate Center Drive, Suite 106, Monterey Park, CA 91754.

For a confidential inquiry or nomination, please contact Ms. Tanabe at (323) 260-5045. California State Polytechnic University, Pomona is an Equal Opportunity, Affirmative Action Employer. Cal Poly Pomona subscribes to all State and Federal regulations and prohibits discrimination based on gender, race, sexual orientation, national origin, disability, marital status, age, religion, or covered veteran’s status.
Get a **Career Plan that Works.**

An exceptional career requires insightful planning and management. That’s where *Science* Careers comes in. From job search to career enhancement, *Science* Careers has the tools and resources to help you achieve your goals. Get yourself on the right track today and get a real career plan that works. Visit [ScienceCareers.org](http://ScienceCareers.org).
Assistant/Associate Professor in Plant Sciences – Whole Plant Physiologist
Department of Plant Sciences, University of California, Davis

The successful candidate’s research will focus on integrative, whole plant physiology with emphasis on environmental, developmental and/or stress physiology. Research areas may include but are not limited to (1) physiological functioning to optimize crop management strategies under different environmental conditions (2) identifying key phenotypic traits that could increase efficiencies in sustainable annual or perennial plant cropping systems (3) understand and predict effects of environmental changes and management practices on ecosystem dynamics. Candidate will be expected to operate well in multi-disciplinary teams focused on the development of practical solutions to critical issues related to sustainable crop production and ecosystem management practices in California and across the world.

The successful candidate is expected to teach core courses in the Plant Sciences undergraduate curriculum and graduate courses within her/his area of research expertise in the Horticulture and Agronomy or Plant Biology Graduate Group. Advising and mentoring of undergraduate and graduate students is required. Participation in departmental, college, and campus committees and with state, regional and national organizations is expected.

Expanded position description can be located at: http://www.plantsciences.ucdavis.edu/plantsciences/databases/directory/newjobs.asp

Qualifications: Ph.D. or equivalent level of experience in plant physiology, crop physiology, plant biology, or related fields.

Salary: Commensurate with qualifications and experience.

TO APPLY: Candidates should begin the application process by registering online to apply: http://recruitments.plantsciences.ucdavis.edu. Please include statements of research and teaching interests, curriculum vitae, publication list, copies of 3 of your most important research publications, copies of undergraduate and graduate transcripts (if within 5 years of either degree), and the names, e-mail addresses, and telephone numbers of at least 5 professional references. For technical or administrative questions regarding the application process please e-mail plantsciences@ucdavis.edu. Review of the applications for all positions will begin August 1, 2011. The position will remain open until filled.

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.

Neuroscience Position at Georgia State University

Georgia State University (www.gsu.edu) invites applications for a senior neuroscience faculty position at the associate or full professor level. In exceptional cases, applicants at the assistant professor level will be considered. This position is part of a major initiative to enhance existing strengths in neuroscience at GSU over the next three years coordinated by the Center for Behavioral Neuroscience (www.cbn-atl.org) and the GSU Brains and Behavior Program (http://brainsbehavior.gsu.edu) working with GSU’s newly formed Neuroscience Institute (www.neuroscience.gsu.edu). Preference will be given to applicants working in behavioral or systems neuroscience. We are particularly interested in research that complements the CBN’s focus on the mechanisms of social behavior, neuroendocrinology, and the neuroscience of emotion. We are open both to applicants using standard laboratory animal models and to applicants with a neuroethological perspective using vertebrate or invertebrate species. Successful applicants will be individuals who will take advantage of the interdisciplinary collaborative research opportunities available within the Center for Behavioral Neuroscience and the Brains and Behavior Program.

Applicants must have a Ph.D. degree with relevant postdoctoral experience and demonstrated ability to conduct an independent research program using modern techniques. They must also have skills and interest in teaching. Submit curriculum vitae, bibliography, statements of research and teaching interests, and the names of three references, either electronically to Ms. Yolanda Barrow at ybarrow@gsu.edu, with the subject line “Neuroscience Search”, or by mail to Neuroscience Institute, Attn. Ms. Tara Alexander, Georgia State University, P.O. Box 5030, Atlanta, GA 30302-5030, USA. The review of applications will begin immediately, and will continue until position is filled.

Georgia State University is an Affirmative Action/Equal Opportunity Employer.
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, a grants and scholarships database, webinars and downloadable booklets filled with practical advice, a community forum providing real-time 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
Assistant or Associate Research Professor Position in Coastal Physical Oceanography at the University of Maine (Non-tenured)

The University of Maine School of Marine Sciences, in Orono, Maine, seeks an innovative investigator with focus on ocean observing systems and general observational physical oceanography. The successful candidate will join the Physical Oceanography Group (PhOG), which designed and operates data buoy arrays in Coastal Ocean Observing Systems (COOS) including the Gulf of Maine Northeast Regional Association of Coastal Ocean Observing Systems (NERACOOS) and the Caribbean Integrated Ocean Observing System (CarICOOS). The successful candidate is also expected to develop an active, funded research program and assist in the teaching mission at the undergraduate and graduate levels. This position has an anticipated start date on or before January 2, 2012. UMaine will provide up to nine months of salary in each of the first two years. Subsequent support from UMaine will depend on performance of the successful candidate and UMaine finances, but he or she is expected to raise the bulk of his or her salary in subsequent years. Salary for this position is competitive and will be commensurate with experience and potential.

Minimum Qualifications: Qualified applicants are required to have a PhD in physical oceanography or a closely related physical science and have several years of relevant professional experience. Experience with proposal writing and observational analysis of data from Coastal Ocean Observing Systems is preferred.

To Apply: Inquiries and applications should be directed to Neal R. Pettigrew, Chair of Search Committee, at nealp@maine.edu and Susanne_Thibodeau@UMIT.MAINE.EDU. Documents required include: curriculum vitae, a letter of application, statement of research and teaching interests, and names and contact information of three references. Review of applications will begin immediately and will continue until the position is filled.

On January 1, 2011, UMaine joined a growing number - now nearly 400 - of colleges and universities around the country that are tobacco-free. Implementation followed more than three years of study and planning managed by a committee of faculty members, staff members and students. A good deal of information about UMaine's plan and the new policy is online at http://umaine.edu/tobaccofree/.

The University of Maine is an Equal Employment Opportunity/Affirmative Action Employer.

AWARDS

Prince Albert II of Monaco/Institut Pasteur Award

The Institut Pasteur, the Monaco Scientific Center and the Prince Albert II of Monaco Foundation are pleased to invite applications for the Prince Albert II of Monaco/Institut Pasteur Award 2012.

This biennial award will be given to an investigator in the field of:

“Environmental changes and impacts on Human Health”

The prize will be awarded on the occasion of the Scientific Symposium dedicated to environmental changes and their impacts on human health, to be held on March 23rd, 2012.

The Award will honor an investigator under fifty years old who has made outstanding contributions to the field of “Environmental changes and impacts on Health”.

The dossier should include:
- a one-page letter written by the nominee describing the importance of his/her contribution to the field of “Environmental changes and impacts on Health”.
- a curriculum vitae,
- a list of scientific publications and/or books,
- a one-page outline of her/his plans for future research,
- two letters of support.

The deadline for submitting nominations is October 30th, 2011.

All files should only be sent in electronic format, as a single pdf file to: award@ec2h-monaco.org

To learn more, please visit: http://www.ec2h-monaco.org
Virginia Commonwealth University (VCU) School of Medicine invites applicants for postdoctoral fellowships on their NIH Institutional Training Grant entitled Training in Functional Lipidomics in Cardiovascular and Respiratory Diseases directed by Dr. Sarah Spiegel, chair of Biochemistry and Molecular Biology. Fellowships provide up to three years of funding for training with outstanding faculty in laboratory and other skills necessary for establishing an independent research career. This interdepartmental training program stems from VCU’s strength in signaling, functional lipidomics, and cardiovascular and respiratory research. Candidates must have a Ph.D., M.D., or M.D.-Ph.D., and must be a U.S. citizen or green card holder and should have experience in biochemistry, molecular biology, or other relevant fields. Submit a cover letter with curriculum vitae and three reference letters to Dr. Michael Maceyka, e-mail: mwmaceyka@vcu.edu.

RESEARCH FELLOW wanted to design, code, and conduct psychophysical, brain imaging experiments in area of psychology of perception. Must have Master’s Degree in Environmental Studies or related field and two years of experience in same type of job or two years of experience in research laboratory setting, including designing and conducting psychophysical, fMRI, and MEG experiments; designing and composing study proposals for funding; conducting mathematical modeling; and developing Matlab programs capable of producing detailed moving stimuli. Send resume to: Dr. Takeo Watanabe, Dir., Vision Sciences Lab., Boston University Department of Psychology, 64 Cummingston Street, Boston, MA 02215.

POSTDOCTORAL FELLOW

The Musculoskeletal Research Center at New York University Langone Medical Center is recruiting for a postdoctoral position investigating the immunological mechanism of progranulin’s anti-inflammatory effect (see: W. Tang et al., Science, 332(6028):478, 2011). Qualified applicants must hold an M.D. or Ph.D. Preference will be given to those who have experience in Treg, Th17, and autoimmune diseases. Interested applicants should send a cover letter, curriculum vitae, and three letters of recommendation to Kevin Rochford, e-mail: kevin.rochford@nyumc.org, or Dr. Chuanju Liu, e-mail: chuanju.liu@med.nyu.edu.

CAREER OPPORTUNITY—Doctor of Optometry (O.D.) degree in 27 months for Ph.D.s in science and M.D.s. Excellent career opportunities for O.D.-Ph.D.s and O.D.-M.D.s in research, education, industry, and clinical practice. This unique program starts in March of each year, features small classes, and 12 months devoted to clinical care.

Contact the Admissions Office, telephone: 800-824-5526 at: The New England College of Optometry, 424 Beacon Street, Boston, MA 02115. Additional information at website: http://www.neco.edu, or by e-mail: admissions@neco.edu.