Science Careers online @sciencecareers.org

Science Careers
From the journal *Science* AAAS

Science Careers Advertising

For full advertising details, go to ScienceCareers.org and click For Employers, or call one of our representatives.

Tracy Holmes
Worldwide Associate Director
Science Careers
Phone: +44 (0) 1223 326525

UNITED STATES & CANADA

E-mail: advertise@sciencecareers.org
Fax: 202-289-6742

Tina Burks
Midwest/West Coast/
South Central/Canada
Phone: 202-326-6577

Elizabeth Early
East Coast & Industry
Phone: 202-326-6578

Marci Gallun
Sales Administrator
Phone: 202-326-6582

Online Job Posting Questions
Phone: 202-326-6577

EUROPE & REST OF WORLD

E-mail: ads@science-int.co.uk
Fax: +44 (0) 1223 326532

Alex Palmer
Phone: +44 (0) 1223 326527

Susanne Kharraz
Phone: +44 (0) 1223 326529

Dan Pennington
Phone: +44 (0) 1223 326517

Lisa Patterson
Phone: +44 (0) 1223 326528

JAPAN

ASCA Corporation
Phone: +81-3-6802-4616
Fax: +81-3-6802-4615
E-mail: careerads@sciencemag.jp

CHINA & TAIWAN

Ruolei Wu
Phone: +86-1367-1015-294
E-mail: rwu@aaas.org

All ads submitted for publication must comply with applicable U.S. and non-U.S. laws. *Science* reserves the right to refuse any advertisement at its sole discretion for any reason, including without limitation for offensive language or inappropriate content, and all advertising is subject to publisher approval. *Science* encourages our readers to alert us to any ads that they feel may be discriminatory or offensive.

JÜLICH
FORSCHUNGSZENTRUM

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

Zertifikat seit 2010
audit berufundfamilie