Faculty of Science and Engineering
Materials Innovation Factory (MIF)
Chair, Reader/Senior Lecturer, Lecturer in Materials Research
(Full-Time or Part-Time)
Post 1: Chair - Salary Negotiable
Post 2: Reader/Senior Lecturer Grade 9
£50,702 - £62,323 pa (or pro rata)
Post 3: Lecturer Grade 7/8
£32,600 - £49,230 pa (or pro rata)

The University is seeking to recruit to up to 10 academic positions in the Faculty of Science and Engineering in the broad area of materials research, distributed across the School of Physical Sciences (Chemistry, Physics & Mathematics), School of Engineering, the School of Electrical, Electronic Engineering and Computer Science, and the School of Environmental Sciences across the areas of Chemistry, Physics, Materials Science, Engineering, Computer Science. You should have an outstanding research track record, as demonstrated by publications and other relevant outputs. Applications will be considered from any area of materials research, but would be particularly welcomed in the areas of computational materials chemistry, polymer physics, rheology, robotics and/or automated metrology, biomaterials, materials processing and related areas. The posts will be aligned with the Materials Innovation Factory (MIF), a major new £68m research institute that is being established at the University. For the Chair or Readership positions you will be expected to demonstrate a significant track record of funding and a capacity for leadership in your field. The University is an Athena SWAN Bronze Award holder and is committed to encouraging, developing and supporting women in their research and academic careers. We are working to create an inclusive environment which values a diverse workforce and we recognise that many individuals value flexibility in their work/life balance, therefore these posts may be taken up on a part-time (a minimum of 0.5fte) or full-time basis (including a job share).

Job Ref: A-590406/S Closing date: 11 April 2016

For full details, or to request an application pack, visit www.liv.ac.uk/working/job_vacancies/or e-mail jobs@liv.ac.uk

Please quote job ref in all enquiries.

COMMITTED TO DIVERSITY AND EQUALITY OF OPPORTUNITY
Oak Ridge National Laboratory seeks Associate Laboratory Director for Energy & Environmental Sciences

The successful candidate will hold a PhD and have a proven scientific and organizational leadership record within field of expertise. The candidate should be able to demonstrate national or international recognition in science and should possess a reputation for development of scientific and organizational leaders. The Associate Laboratory Director (ALD) leads an organization of approximately 600 staff and $400M in annual funding for the energy and environmental science research in support of Department of Energy (DOE) missions. The ALD is a member of the senior management team, reporting to the ORNL Director. The ALD will provide leadership to expand scientific knowledge and develop innovative strategies to strengthen ORNL’s leadership for delivering world class scientific solutions to environmental, engineering, and manufacturing dimensions of energy and climate. The ALD will provide scientific leadership of complex research programs spanning basic to applied disciplines with a focus on successful implementation and execution of scientific strategy. The ALD will work across directorates to provide leadership support and engagement for interdisciplinary institutes established to integrate diverse staff and world class resources across the Laboratory. Broad experience in helping to develop and implement strategies at the national and DOE program levels is highly desirable.

The Centre for Water Resource Systems at the Vienna University of Technology announces competition for the third intake of doctoral candidates for the Doctoral Programme on Water Resource Systems. The programme is anticipated to host a total of 70 doctoral students over a period of 12 years. This is a dedicated programme of the Austrian Science Fund (FWF) that promotes doctoral research and education at the highest standards and provides excellent opportunities for cross-disciplinary research. International networking is facilitated by a mobility programme with a spectrum of attractive international partner institutions and a comprehensive guest scientist programme.

Seven PhD student positions are available in the following research themes related to Water Resource Systems:

- Flood-hydrology
- Aquatic microbiology
- Micro-meteorology
- Socio-hydrology
- Environmental economics
- Environmental engineering
- Mechanics of structures

Applicants must have a Master’s degree (or equivalent), preferably in a subject related to water resource systems. The working language of the programme is English. Students are expected to work across disciplines and in cooperation with others. A capacity and willingness to integrate and collaborate is essential.

The Programme provides a salary according to the FWF scheme (approx. EUR 20000/year net), together with health and social security benefits. There is also significant allowance for travel and research support. TU Wien is an Equal Opportunities Employer. The preferred starting date is Oct. 1, 2016.

Candidates should send a letter of application, a statement of research interests, a Curriculum Vitae, and copies of education certificates including transcripts of grades as a single .pdf file to: office@waterresources.at.

Application deadline is April 30, 2016. Short listed candidates will be invited to a selection seminar. Financial support towards travel expenses is available on request.

Information about the Doctoral Programme on Water Resource Systems may be viewed at http://waterresources.at.

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**Max-Planck-Institut für Biophysikalische Chemie**
**Karl-Friedrich-Bonhoeffer-Institut**
**Göttingen**

The Department for Molecular Biology (Director: Prof. Dr. Patrick Cramer) at the Max Planck Institute for Biophysical Chemistry invites applications for a

**Scientist Position (m/f) “biological electron microscopy”**

(Code Number 05-16)

The Max Planck Institute for Biophysical Chemistry is upgrading and expanding its facilities for high-end biological cryo-electron microscopy. A new FEI Titan Krios microscope equipped with K2 and Falcon-III direct detectors will be installed soon and used by several groups at the institute. The candidate will operate the new microscope and perform advanced single-particle cryo-electron microscopy. He/She will be involved in cutting-edge structural biology research projects and will train PhD students and postdoctoral researchers in sample grid preparation and data collection. The scientist should also advise on data processing and manage collaborations. He/She will have opportunities to develop and apply emerging EM-based structural biology techniques, and to extend our efforts towards cryo-electron tomography. The scientist will closely interact with the newly established Department of Structural Dynamics (Director: Holger Stark) that hosts electron microscopes at the institute.

We look for a team-oriented person with a PhD in the natural sciences and relevant experience. We offer a stimulating environment and a long-term perspective. The working language is English.

The Scientist Position is limited to two years, but intended to become permanent. The payment and benefits are based on the German TVöD guidelines. The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals.

Furthermore, the Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

Please send your application including cover letter (explaining background and motivation), CV, list of publications, and contact information for two referees preferably via e-mail as single PDF file in relation to the code number 05-16 until March 15th, 2016 to: ausreichung@05-16@mpibpc.mpg.de

**Max Planck Institute for Biophysical Chemistry**
**Department of Molecular Biology**
**Ms. Janine Koschmieder**
**Am Fassberg 11, D-37077 Göttingen**
**Phone +49 551 201-2800**
**Web: http://www.mpibpc.mpg.de/cramer**

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**Bioengineering Faculty Position: Caltech**
**Pasadena, CA, United States**

The California Institute of Technology invites applications for a tenure-track professorial position in the Division of Biology and Biological Engineering. Bioengineering research at Caltech focuses on the application of engineering principles to the design, analysis, construction, observation and manipulation of biological systems, and on the discovery and application of new engineering principles inspired by the properties of biological systems.

Applications are invited in any area of bioengineering research. Candidates with strong commitments to research and teaching excellence are encouraged to apply. Initial appointments will be made at the assistant professor level for four years and are contingent upon completion of the Ph.D. degree.

The Bioengineering Option (http://www.be.caltech.edu) includes faculty from the Divisions of Biology and Biological Engineering (http://www.bbe.caltech.edu), Chemistry and Chemical Engineering (http://www.che.caltech.edu), Engineering and Applied Science (http://www.eas.caltech.edu), and Physics, Mathematics, and Astronomy (http://www.pma.caltech.edu).

Please submit online application at http://bbe.caltech.edu/Positions and include a brief cover letter; curriculum vitae; list of publications, a description of proposed research; and a statement of teaching interests. Instructions will be given for submission of letters of reference when you apply on-line.

Position will remain open until filled, however, applications completed by March 31, 2016 will be assured of receiving full consideration.

EOE of Minorities/Females/Protected Vets/Disability.
EMBL is a European-scale centre of excellence in life science research, services and training and one of the highest ranked scientific research organisations in the world. EMBL is international, innovative and interdisciplinary – its 1,600 employees, from over 80 nations, operate across six sites in Germany, France, Italy, Spain and the UK: the main laboratory in Heidelberg, and outstations in Hamburg; Grenoble; Monterotondo, near Rome; Barcelona; and Hinxton, near Cambridge (the European Bioinformatics Institute). Founded in 1974, EMBL is an inter-governmental organisation with a current annual budget of roughly 200 million Euro funded by public research monies from its member states. The cornerstones of EMBL’s mission are: to perform basic research in molecular biology; to train scientists (internal and external) at all career levels; to offer vital services to scientists in the member states; to develop new instruments and methods in the life sciences and actively engage in technology transfer activities; to promote integration in European life science research; and to offer a platform for dialogue with the general public through science communication activities.

Director General
European Molecular Biology Laboratory (EMBL)

EMBL seeks an experienced, inspirational and dynamic leader to serve as its next Director General. The EMBL Director General (DG) reports to EMBL Council, the member state body that governs EMBL, and is responsible for the development of the overall policy and strategy across the organisation and for establishing consensus around EMBL’s five-year programmes and corresponding funding frameworks. At a time of unprecedented opportunities in the life sciences, the future DG will work with EMBL Council to chart a strategic course for EMBL, to ensure it sustains and evolves its missions according to the needs of the scientific community in the member states, and to consolidate and strengthen its position as Europe’s centre of excellence in life science research, services and training. The DG is responsible for the implementation and execution of Council decisions, and to provide accurate information on EMBL’s activities and high-level scientific expertise to internal and external advisory bodies.

As the chief executive officer and legal representative of EMBL the DG guides and oversees the evolution of EMBL’s role, missions and programmes according to the needs of the scientific community and broader European society with respect to the molecular life sciences. The DG conducts EMBL activities with the aim of achieving the full potential of the Laboratory and supporting the life sciences in Europe for the benefit of all stakeholders. The DG is responsible for overall leadership, strategic direction and management. He/she provides intellectual leadership for the multidisciplinary and international community of EMBL staff and fellows. The DG, assisted by the EMBL Directorate and Senior Management, has overall responsibility for the Laboratory’s day-to-day operations and the performance of all parts of the organisation. The DG is the spokesperson for EMBL and serves as an advocate and communicator with all stakeholders and interested parties including the scientific community, policy makers, industry groups, funding organisations, the media and the general public.

Candidates for this position will have:
• an outstanding record in research and service provision in any area of molecular life science;
• a broad interest in and understanding of the molecular life sciences;
• an excellent overview of the European life science research and policy landscape;
• a proven record of senior management experience with significant experience, preferably international, in research and academic administration;
• a leadership style that is both inclusive (participatory) and directive;
• a demonstrated record of successful fundraising, programme development, faculty recruitment and mentoring, and organisational management;
• effective communication skills and the ability to interact and negotiate productively with many categories of people at different levels, both inside and outside EMBL;
• fluent written and spoken English, other member state languages, in particular German and French, are an advantage.

APPLICATION INSTRUCTIONS

Applications should be submitted as a single pdf-file containing a letter of motivation, short CV, evidence of the required leadership skills, and a list of 20 key research publications, to: applications.embl@mpibpc.mpg.de before April 30, 2016.