



Max Planck Institute for Polymer Research  
Mainz, Germany



European Synchrotron Radiation Facility  
Grenoble, France

For a collaborative project, the Max Planck Institute for Polymer Research, Mainz and the European Synchrotron Radiation Facility, Grenoble seeks an outstanding scholar for a

## **Post-doctoral fellow (f/m) in Physics/Materials Sciences/Physical Chemistry**

The successful candidate will be based at beamline ID15 at the European Synchrotron Radiation Facility (ESRF) in Grenoble, France and stay about 3 months/year in the Department "Physics of Interfaces" at the Max Planck Institute for Polymer Research (MPIP) in Mainz, Germany for sample preparation and characterization.

The research activity of the MPIP group is dedicated to the structural studies of soft matter at interfaces and under confinement. The main experimental methods include various x-ray scattering techniques in the resonant soft and high-energy range. For further information about the group please consult <http://www.mpip-mainz.mpg.de/groups/butt>.

The research projects will focus on the interfacial structure between polymers and liquids. Together with the beamline scientist the candidate will be responsible for the operation of a recently constructed new instrument for high-energy x-ray reflectivity at ID15 and will be involved in various synchrotron based projects of the MPIP group at the ESRF. You will also be encouraged and supported to develop your own field of research and participate in collaborative projects, which should exploit the exceptional capabilities of beamline ID15 and the excellent scientific infrastructure in the field of soft condensed matter at the MPIP.

Candidates should hold a doctorate in experimental physics, material sciences, physical chemistry, or a related field. We are looking for an independent and creative scientist with a background in synchrotron based x-ray scattering techniques and experience in design and construction of novel experimental setups. Knowledge in advanced data analysis methods and scientific programming is appreciated. Previous studies using x-ray reflectivity or soft matter materials such as molecular liquids, polymers, or water and would be beneficial.

We offer a competitive stipend at the Max Planck Institute for Polymer Physics for 1 year with the possibility of renewal depending upon performance. The Max Planck Institute for Polymer Research and the European Synchrotron Radiation Facility offer a stimulating interdisciplinary research environment in the field of soft condensed matter and fascinating scientific possibilities at an international state of the art research facility. Working language at the ESRF and the MPIP is English. The Max Planck Society is an inclusive, equal opportunity employer and encourages applications from disabled persons and women.

Please submit your electronic application together with a CV including references and a list of publications via email to [mezger@mpip-mainz.mpg.de](mailto:mezger@mpip-mainz.mpg.de). The position is available immediately and applications will be considered until the position is filled. Further information on this post can be obtained from:

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