



Call for 2014 DESY-ONACPR Fellowship Applicants

Research Laboratory: DESY
Division/Group: FS-FL
Supervising scientist: Dr. D. Rolles
Email/Phone: Daniel.Rolles@desy.de +40-40-8998-6239
Research Field: *Atomic and Molecular Physics, Laser Physics*
Position: Postdoctoral Research in *Atomic and Molecular Physics*

Research Area:

The Ultrafast Molecular Imaging Group (<http://photon-science.desy.de/umi>) at DESY in Hamburg focuses on visualizing nuclear and electronic dynamics during (photo-) chemical reactions in gas-phase molecules by means of femtosecond pump-probe experiments with intense and short-pulse VUV and X-ray radiation from Free-Electron Lasers complemented by laboratory-based femtosecond laser experiments and electron-ion coincidence spectroscopy with 3rd generation synchrotron sources.

The group has an opening for a postdoc with a strong background in pump-probe experiments with femtosecond lasers in order to prepare and perform experiments both in our laser lab as well as at the FLASH Free-Electron Laser in Hamburg and LCLS in Stanford.

Further information on our research can be found at
<http://photon-science.desy.de/umi>

Specific Requirements:

Extensive experience with short-pulsed intense lasers and, ideally, with femtosecond pump-probe experiments is required.

Experience with electron and/or ion spectroscopy is desirable but not required.

The specific tasks include preparation and execution of femtosecond pump-probe experiments both in our laser lab as well as at various Free-Electron Laser facilities worldwide, such as FLASH in Hamburg, LCLS in Stanford, or FERMI in Trieste. Participation in other experiments at Free-Electron Lasers and synchrotron radiation sources is also possible.

Work Place: Hamburg
Earliest Start: any time
Language
Requirement: please note that we require for all candidates proven records of English, e.g. CAE certificate or other certificate with the same level.
Application Code: DESY/2014/2
Further Remarks: