



# SMALL ANGLE SCATTERING.

## DESY, Hamburg location, is seeking: Postdoc (f/m) Small Angle X-ray Scattering & Imaging

### DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics.

With the storage ring PETRA III and the Free-Electron-Laser FLASH, DESY offers a unique combination of photon sources to the scientific community. PETRA III, one of the most brilliant hard X-ray facilities world wide, currently provides 17 undulator beamlines for experiments utilizing the extreme source brilliance. For the extension of the PETRA III facility, DESY is seeking a scientist to develop and implement new instrumentation for small angle X-ray scattering and imaging techniques at the Swedish high-energy X-ray (40-150 keV) material science beamline (P21).

### The position

- Strengthen the SAXS and Imaging programs at the beamline
- Design and implement relevant instrumentation (including X-ray optics and sample environments)
- Employ relevant data reduction and evaluation software, develop software as necessary
- Perform scientific projects and work closely with external users and collaborators

### Requirements

- PhD in physics, chemistry, materials science, or related fields
- Background in X-ray imaging and/or SAXS on hard materials
- Experience with synchrotron X-ray (preferred) or neutron diffraction techniques
- Experience with data acquisition control software and scientific programming techniques
- Experimental skills and interest in instrumentation development
- Excellent knowledge of English and teamwork abilities

For further information please contact Dr. Ulrich Lienert +49-40-8998-3165 or Dr. Wolfgang Drube +49-40-8998-2674.

The position is limited to 3 years

Salary and benefits are commensurate with those of public service organisations in Germany. Classification is based upon qualifications and assigned duties. Handicapped persons will be given preference to other equally qualified applicants. DESY operates flexible work schemes. DESY is an equal opportunity, affirmative action employer and encourages applications from women. Vacant positions at DESY are in general open to part-time-work. During each application procedure DESY will assess whether the post can be filled with part-time employees. There is a bilingual kindergarten on the DESY site.

We are looking forward to your application quoting the reference code preferably via our electronic application System: Online-Application

### Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: FSMA075/2017

Notkestraße 85 | 22607 Hamburg | Germany | Phone: +49 40 8998-3392

Email: [recruitment@desy.de](mailto:recruitment@desy.de)

**Deadline for applications: 9 October 2017**

[www.desy.de](http://www.desy.de)