



TIME-RESOLVED CRYSTALLOGRAPHY.

DESY, Hamburg location, is seeking: Postdoc (f/m) Time-resolved Serial Crystallography

DESY

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

The group FS-BMX develops methods for structural investigations of biological objects with X-rays. In the field of serial crystallography we are exploring different methods for sample delivery to the X-ray beam. Among these we have developed the Roadrunner goniometer, which allows for very efficient and fast sample delivery and is based on micro-patterned silicon chips as sample holders. We currently plan to extend the capabilities of the Roadrunner goniometer for time resolved experiments.

The position

- Develop methods for time-resolved serial crystallography experiments based on the Roadrunner goniometer
- Participate in the implementation of the Roadrunner goniometer at the European XFEL
- Perform your own research in the field of structural enzymology
- Participate in serial crystallography experiments at highly brilliant synchrotron sources and X-ray Free Electron Lasers

Requirements

- PhD in physics, chemistry, structural biology or a related field
- Experience in X-ray structure determination or protein crystallography
- Experimental skills and interest in instrumentation development
- Teamwork abilities
- Programming skills in Python or C++ are considered as an asset

For further information please contact Dr. Alke Meents +49-40-8998-5468.

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: FSPO010/2018

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Deadline for applications: 30 June 2018

www.desy.de