



## Postdoctoral researcher(s) for coherent x-ray imaging and/or serial crystallography (f/m)

The European X-Ray Free-Electron Laser Facility GmbH (European XFEL GmbH) is a multi-national non-profit company. It will make available X-rays of unique quality for studies in physics, chemistry, the life sciences, materials research and other disciplines. Located in the Hamburg area, Germany, it will comprise scientific instruments for a wide range of experimental techniques. Construction of the European XFEL is underway; user operation starts in 2017.

The Single Particles, Clusters and Biomolecules and Serial Femtosecond Crystallography (SPB/SFX) group of the European XFEL Facility is developing and constructing one of six scientific instruments. We are looking for one or more

### Postdoctoral researcher(s) for coherent x-ray imaging and/or serial crystallography (f/m)

#### The position

- perform and report research in method development or application of coherent x-ray diffractive imaging (CXDI) or serial crystallography using highly coherent, facility based x-ray sources
- contribute to the construction and commissioning of the SPB/SFX instrument, including its X-ray optical and sample delivery instrumentation
- operate the instrumentation, including supporting user groups with time-resolved experiments

#### Requirements

- PhD in experimental physics or related disciplines, with a specialisation in x-ray optics, X-ray imaging, crystallography, spectroscopy or related disciplines
- a sound knowledge of measurement of pulsed light sources, related electronics and associated instrumentation
- ability to conduct independent research while also contributing to ongoing team projects
- highly developed communication skills and willingness to work in a diverse team of international scientists, engineers and technicians

Experience working at a free electron laser facility or a synchrotron will be considered an asset.

For additional information please contact Adrian Mancuso ([adrian.mancuso@xfel.eu](mailto:adrian.mancuso@xfel.eu)). Working place will be Schenefeld, in the Hamburg metropolitan area. General information on working in Germany, the Hamburg area and the European XFEL can be found under <http://www.xfel.eu/careers>.

#### Reference number:

S-147

#### Duration

This appointment is initially limited to 3 years. An extension is possible.

Salary and benefits are similar to those of public service organizations in Germany. In addition European XFEL provides a non-contributory company pension scheme as well as broad relocation benefits. The European XFEL GmbH intends to achieve a widely international staff. Non-German candidates hired from abroad receive an international allowance.

Handicapped persons will be given preference over other equally qualified applicants. The European XFEL GmbH is an equal opportunity and affirmative action employer and encourages applications from women.

English is the working language, knowledge of German is considered an asset.

#### Application

Please apply online via [www.xfel.eu](http://www.xfel.eu) (job offer S-147) and provide a cover letter next to a CV in English, your list of publications and references in one single pdf-file.

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