



As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, co-operative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

The Faculty of Mathematics, Informatics and Natural Sciences / CUI: Advanced Imaging of Matter invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT

“CLUSTER OF EXCELLENCE 'ADVANCED IMAGING OF MATTER' - EXTREME X-RAY FOCUSING”

- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences as soon as possible.

This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of 2 years. The position calls for 39 hours per week.

RESPONSIBILITIES:

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications.

SPECIFIC DUTIES:

Working in a team, the candidate will

- develop and apply techniques to characterize and improve x-ray lenses
- develop new imaging methodologies using lab sources, synchrotrons and FELs
- investigate the effects of intense x-ray fields generated by focusing XFEL pulses onto materials
- investigate coherent diffraction using highly convergent beams

REQUIREMENTS:

A university degree in a relevant subject plus doctorate. Experience with X-ray synchrotron, XFEL radiation or X-ray lab sources. Some proven knowledge and expertise in wavefront sensing x-ray microscopy or coherent diffraction using x-ray sources or short wavelength sources.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact Dr. Saša Bajt (sasa.bajt@desy.de) or consult our website at https://cid.cfel.de/team/multilayer_x_ray_optics/.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 30.09.2019 to: Dr. Saša Bajt (sasa.bajt@desy.de).

Please do not submit original documents as we are **not** able to return them. Any documents submitted will be destroyed after the application process has concluded.