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, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

Pending approval of external funding the Faculty of Mathematics, Informatics and Natural Sciences, Department of Physics, Institute for Nanostructure and Solid State Physics invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT
“XStereoVision: Stereoscopic X-Ray Vision to Investigate Nanoparticels”
(JOINED PROJECT OF KTH, UHH AND DESY)
- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on 16/04/2020.

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 100 % of standard work hours per week**. This position is also suitable for part time employment.

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

SPECIFIC DUTIES:
The post-doctoral researcher at UHH will be a connecting link between chemically (UHH) and methodologically (DESY, KTH) driven efforts to develop Stereoscopic X-Ray Vision to Investigate Nanoparticels. The postdoc will focus on implementing and testing the newly developed experimental in-situ environment and investigating nanomaterials. To this end he/she will write the beamtime application, coordinate the beamtime preparation and will perform the in situ experiments jointly with the team at KTH, UHH and DESY. Additionally he/she will apply the numerical algorithms required to combine multi-beam and multi-slicing ptychography.

* Full-time positions currently comprise 39 hours per week.
REQUIREMENTS:

A university degree in a relevant field. She or he will be ideally a chemist, physicist, or nanoscientist by trainee and advanced user of scanning coherent X-ray microscopy (ptychography). Further requirements: good understanding of solid state physics, proven experience with scanning X-ray microscopy methods, excellent programming skills (Python, C++, CUDA), good communication and self-management skills. PhD in the relevant field and experience with inorganic nanoparticle synthesis in solution and their characterization is a strong plus. Excellent communication in English is necessary.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As women are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage women to apply for this position. Equally qualified and suitable female applicants will receive preference.

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

For further information, please contact dorota.koziej@physnet.uni-hamburg.de or consult our website at www.thekoziejlab.com. Please mark “XStereoVision” in the title of your E-Mail. Please provide the two names for the references.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 13 March 2020 to: dorota.koziej@physnet.uni-hamburg.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.