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.

The Faculty of Mathematics, Informatics and Natural Sciences, Department of Physics, Institute of Nanostructure and Solid State Physics, AG Koziej invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT
“ERC CONSOLIDATOR GRANT LINCHPIN: A PLATFORM TO LINK CHEMISTRY AND PHYSICS OF COLLOIDAL NANOMATERIALS”
- 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 01.12.2020.

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 until 31.12.2022.

The position calls for 39 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:
- studying the electronic properties of hybrid nanomaterials in reduced dimensions
- XAS and XES measurements - particularly design and performing experiments in colloidal solution
- writing the beamtime proposals, planning the experiments
- Characterization of nanoparticles with various laboratory techniques
- helping in testing cells at the large scale instrumentation with the focus on the relevant time scales
- work with the LINCHPIN team on in situ XES studies
REQUIREMENTS:

A university degree in a relevant subject plus doctorate. The candidate should have a PhD Diploma in Physics, Nanoscience or related field. Proofed experience, ideally 3 years or more, with X-ray spectroscopic methods and strong expertise in data analysis and interpretation is required. Knowledge of XANES data analysis by FDMNES and FEFF simulation is desired. Experience with in situ XAS experiments, inorganic nanoparticle synthesis in solution and their characterization, PXRD Rietfeld Refinement are a strong plus. Excellent communication in English is necessary. Knowledge of synthesis of metal sulfides is a plus.

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 Prof. Dorota Koziej or consult our website at https://www.physik.uni-hamburg.de/inf/ag-koziej.html. In your application e-mail please add LINCHPIN Postdoc 03.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 01.10.2020 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.