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, Institute of Physical Chemistry, Cluster of Excellence CUI: Advanced Imaging of Matter invites applications for a

**RESEARCH ASSOCIATE**

**FOR THE PROJECT "CLUSTER OF EXCELLENCE 'ADVANCED IMAGING OF MATTER'-DYNAMICS IN NANOCRYSTALS AND NANOCRYSTAL SOLIDS"**

- **SALARY LEVEL 14 TV-L** -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) is permanent and commences on November 1, 2019. The position calls for 39 hours per week.

**RESPONSIBILITIES:**

Duties primarily include teaching and research. Research associates may also pursue independent research and further academic qualifications.

**SPECIFIC DUTIES:**

The candidate will perform research on the dynamics in nanocrystals and nanocrystal solids within the Cluster of Excellence CUI: Advanced Imaging of Matter. The planned investigations include energy and electron transfer processes in semiconductor and metal nanoparticle assemblies by femtosecond pump probe laser experiments with optical, terahertz and x-ray detection.

Within a collaborative setting, the candidate will maintain, further develop and provide scientific services for the existing femtosecond laser pump probe system. He/She will plan and perform the experiments and supervise PhD students in arrangement with the principle investigators of the respective research focus of the cluster. Moreover, he/she will be responsible for the scientific dissemination of the results. Teaching duties comprise 4 hours p/w.
REQUIREMENTS:

A university degree in a relevant subject plus doctorate.
• A university degree in physics plus doctorate, long-standing experience with optical, THz and x-ray pump probe experiments
• Profound knowledge in research of semiconductor and metal nanoparticles
• Experience in supervising of PhD and master students in physics, chemistry or nanoscience
• Experience in third party funding
• Scientific foreign experience

The University aims to increase the number of women in research and teaching and explicitly encourages qualified 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 Prof. Dr. Horst Weller (Weller@chemie.uni-hamburg.de) or consult our website at https://www.cui-advanced.uni-hamburg.de/de.html.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by October 1, 2019 to: Weller@chemie.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.