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 Chemistry, Institute of Physical Chemistry invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT
“DIRECTED HIERARCHICAL ASSEMBLY OF ANISOTROPIC 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 November 1, 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 3 Years. The position calls for 19.5 hours*.

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

SPECIFIC DUTIES:
Duties are related to the project “Bubble-pen Lithography for Directed Hierarchical Assembly of Anisotropic Nanomaterials”, funded by the DFG (447787198). In particular, the primary duty of the candidate is to chemically modify anisotropic nanomaterials using different functionalities and study their self-assembly. The candidate will be responsible for maintaining the synthetic chemistry aspects of the project. In addition, the candidate must operate a customized optical setup interfaced to a microscope for directed assembly of the synthesized nanomaterials and characterize this process by a variety of spectroscopic methods. Doctoral research associates will be part of a nascent group focusing on the colloidal synthesis and self-assembly of anisotropic nanomaterials, and become members of the Institute of Physical Chemistry. Furthermore, the Cluster of Excellence: Center for Ultrafast Imaging (CUI) will provide opportunities for collaboration with top-notch scientists and access state-of-the-art ultrafast techniques.

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

A university degree in a relevant field. Excellent knowledge of synthetic organic chemistry and/or covalent modification of inorganic surfaces. Very good English language skills.

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

For further information, please contact Dr. Eric Hill (eric.hill@chemie.uni-hamburg.de) or consult our website at https://www.chemie.uni-hamburg.de/en/institute/pc/arbeitsgruppen/hill.html.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by September 15, 2020 to: martina.krasa@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.