



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG

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

### “NANOCOMPOSITES AND MATERIALS FOR ENERGY SOLUTIONS”

- SALARY LEVEL 13 TV-L -

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The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on January 16, 2021.

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 July 31, 2022. The position calls for 19,5 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:

The primary duties of the candidate involve designing organic surface modifications to control the hierarchical assembly of anisotropic nanomaterials from the nano to bulk scale. In addition, the candidate will be responsible for characterization of structural, photophysical, and photocatalytic properties of these hierarchical assemblies by a variety of methods including microscopy, spectroscopy, and photoelectrochemistry. The candidate will be part of a nascent group focusing on the colloidal synthesis and self-assembly of 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 colloidal/physical chemistry, nanoscience, inorganic synthesis, or surface functionalization techniques; Expertise in physicochemical characterization and spectroscopic techniques. 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](mailto: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 October 28, 2020 to: [eric.hill@chemie.uni-hamburg.de](mailto:eric.hill@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.