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, CUI: Advanced Imaging of Matter invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT
“CLUSTER OF EXCELLENCE 'CUI: ADVANCED IMAGING OF MATTER' - UNDERSTANDING STRUCTURE FORMATION ON THE NANOSCALE TO CREATE BIOHYBRID MATERIALS WITH EMERGENT FUNCTIONALITY”
- 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 as soon as possible.

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 50 % of standard work 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:
Redesign of protein containers with computational tools based on structural models, and re-combinant production and purification of protein containers. Synthesis of inorganic nanoparticles and encapsulation into the redesigned containers. Assembly of protein-nanoparticle composites to form highly-ordered structures. Characterizations will involve diffraction methods (e.g. single crystal X-ray diffraction, SAXS) and electron microscopy (TEM, cryo-TEM).

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

A university degree in a relevant field. A background in chemistry or biochemistry is required, with a strong excitement for experimental research. Previous knowledge in protein purification, protein design and/or protein crystallization is highly desirable. The candidate should enjoy working in an interdisciplinary team environment, and must have excellent communication skills.

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

For further information, please contact Prof. Dr. Tobias Beck (tobias.beck@chemie.uni-hamburg.de) or consult our website at https://www.chemie.uni-hamburg.de/institute/pc/arbeitsgruppen/beck.html.

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