

Faculty: Mathematics, Informatics and Natural Sciences
Department: Physics, Chemistry

How do the elementary particles of nature move? Can atoms, molecules and electrons in matter be controlled and driven with precision – on all length and energy scales? These questions indicate some of the biggest and most exciting challenges of modern science - and the central objective of The Hamburg Centre for Ultrafast Imaging (CUI): The analysis of fundamental chemical and physical processes in Photon and Nano Science. The key enabling features of the research are the ultrabright x-ray and electron sources on the Hamburg Bahrenfeld Campus. To investigate and evaluate the highly complex processes of CUI's research tasks, it is essential to combine the expertise of scientists in physics, chemistry, medicine and biology. In order to benefit from the fruitful interplay between these different fields, CUI includes researchers from many different backgrounds, ranging from Quantum Physics, Laser Science, Structural Biology, Chemistry, Molecular Physics to Nano Science. Eliminating the traditional borders between these subjects has proven to be inspirational and has led to interesting interdisciplinary research projects.

Upon funding approval the university will have up to two positions open for a

post-doctoral research associate (wissenschaftliche Mitarbeiterin in einem post-doc- Arbeitsverhältnis)

- salary group 13 TV-L - with a starting date at the earliest possible date for the following **project**: The Hamburg Centre for Ultrafast Imaging in the project section of the Young Scientists Groups.

The position calls for **39** hours per week. The short-term contract will end after a maximum duration of two years (see also § 2 of the Academic Fixed-Term Contract Law (Wissenschaftszeitvertragsgesetz)).

The university intends to increase the number of women amongst its academic personnel and expressly encourages qualified women to apply. In compliance with the Hamburg Equal Opportunity Law, preference will be given to qualified female applicants. Universität Hamburg (as well as the Hamburg Centre for Ultrafast Imaging) has initiated a Gender Equality Program, which aims at realizing equal participation of women and men in science. In Departments with a disparity of the numbers of female and male professors these programs work towards levelling off these numbers. In the Physics and Chemistry Departments this means a conscious promotion of women. The herewith announced position within CUI is part of this program.

Responsibilities:

A research associate's duties include academic research in the above project in one of CUI-Young Scientists Groups.

Area(s) of Responsibility:

Research at the interface of atomic & quantum physics, bio- & physical chemistry and nano science.

Requirements:

Academic degree plus doctoral degree in one of the above subject areas of physics or chemistry.

Preference will be given to disabled applicants with equal qualifications.

Application dossiers (application letter with clear indication of the YS group leader, curriculum vitae, degree certificate(s), two letters of recommendation) are to be submitted by email to wiebke.kircheisen@cui.uni-hamburg.de

On the application please provide the job advertisement number: **CUI-Louise Johnson Fellowship**

The position will remain open until a suitable candidate is found.

For more information please check the following website: www.cui.uni-hamburg.de/opportunities/