



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, CUI: Advanced Imaging of Matter invites applications for a

## RESEARCH ASSOCIATE FOR THE PROJECT

### “CUI: ADVANCED IMAGING OF MATTER - ATTOSECOND TIME RESOLVED MEASUREMENTS OF ELECTRON MIGRATION IN BIOMOLECULES”

- 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 01.04.2021.

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 for a period of 2 years. The position calls for 39 hours per week. This position is also suitable for part time employment.

#### RESPONSIBILITIES:

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

#### SPECIFIC DUTIES:

We are opening a new post doctoral position in the attosecond science team at the Center for Free Electron Laser (CFEL) science in Hamburg. In the CFEL-ATTO group we develop advanced attosecond technology with the aim of tracking and controlling electron dynamics in matter. More specifically, our technology allows us to follow charge migration occurring on a few femtosecond time scale in bio-chemically relevant molecules. In this context, the postdoc will have to finalize the realization of a UV-pump soft-x probe setup to perform attosecond time resolved measurements in the building blocks of life. The soft-x beamline will be combined with both a liquid jet for transient absorption measurements and electron/ions spectrometers for charged particles detection.

## REQUIREMENTS:

A university degree in a relevant subject plus doctorate.

- PhD in physics, chemistry, or materials science
- Experience with ultrafast lasers and attosecond technology
- Experimental skills and interest in instrumentation development
- Excellent knowledge of English
- Ability to work as part of a team

The Free and Hanseatic City of Hamburg promotes equal opportunity. As women are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage women to apply for this position. Equally qualified and suitable female applicants will receive preference.

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

For further information, please contact Prof. Dr. Francesca Calegari or consult our website at <https://atto.cfel.de/>.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 31.01.2021 to: [francesca.calegari@desy.de](mailto:francesca.calegari@desy.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.