



Faculty/Departement Mathematics, Informatics, Natural Sciences/
Seminar/Institute The Hamburg Centre for Ultrafast Imaging (CUI)

Universität Hamburg invites applications for a Research Associate for the project **“Real-time tracing of electron dynamics in bio-relevant molecules”** in accordance with Section 28 subsection 3 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 1 February 2018.

It is remunerated at the salary level TV-L 13 and calls for 39 hours per week.

The fixed-term nature of this contract is based upon Section 2 of the Academic Fixed-Term Labor Contract Act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of one year.

The University aims to increase the number of women in research and teaching and explicitly encourages qualified women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg Equality Act (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:

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

Specific Duties:

We are looking for a post-doctoral researcher in the framework of the CUI project "Real-time tracing of electron dynamics in bio-relevant molecules". The postdoc will work in the attosecond science laboratory lead by Prof. Francesca Calegari. The specific duties are:

- Design and implement a scheme for tailoring ultrashort UV pulses
- Perform attosecond time resolved experiments in bio-relevant molecules
- Co-supervise master and PhD students
- Assist the team in creating and engineering solutions
- Perform scientific projects and work closely with the research team

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



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Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Francesca Calegari (francesca.calegari@desy.de) or consult our website at

http://www.desy.de/about_desy/lead_scientists/francesca_calegari/index_eng.html.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 31 December 2017. Please send applications to:
francesca.calegari@desy.de.