



Job Announcement

Young, modern, and research oriented... the University of Potsdam has firmly established itself within the scientific landscape since its founding in 1991. Nationally and internationally renowned scientists teach and perform research here at Brandenburg's largest university. The University of Potsdam is successful in acquiring third-party funds, delivers outstanding performance in technology and knowledge transfer, and has a very service-oriented administration. With about 21,000 students studying at three campuses – Am Neuen Palais, Griebnitzsee and Golm – the University of Potsdam is a prominent economic factor and engine of development for the region. The University of Potsdam has a total of over 3,000 faculty and staff members and is located in one of Germany's most scenic areas.

The **University of Potsdam, Faculty of Science, Institute for Physics and Astronomy, Experimental Quantum Physics Group** is seeking to fill the following position:

Academic Staff Member (PhD student) Requisition No.: 385/2020

The position is available from November 01, 2020. The salary is determined by the collective bargaining agreement for public employees in Germany (TV-L 13 Ost). The position is for 26 hours per week (66% of a full-time contract). This is a temporary position limited to a term of 3 years in accordance with Section 2 subsection 1 of the Academic Fixed-Term Contract Law (WissZeitVG). The opportunity for working towards a doctorate degree will be given.

The goal of this project is the experimental investigation of ultrafast photoinduced relaxation processes on thiolated nucleobases with x-rays. These molecules play an important role in medicine and biochemistry applications. Our group is aiming at a fundamental understanding of the molecules ultrafast relaxation pathways using soft x-ray probing at the sulfur L-edge for element specific spectroscopy.

This is a unique opportunity for a young scientist to use many different skills and we expect that the applicant shows a high level of self-motivation. The experiments will take place at our ultrafast high-harmonic lab in Potsdam as well as at various free electron lasers (FELs). Our core competence is in ultrafast physics, especially in molecular dynamics. We are well embedded in the FEL and ultrafast electron diffraction community (see www.exp-quantum.org).

Responsibilities:

- preparation and execution of ultrafast experiments in the high-harmonic generation lab and at FELs
- presentation of the results in scientific papers and conference contributions

Qualifications

- Master degree in physics, chemistry or electrical engineering
- hands-on-attitude towards experimental setups

- enthusiastic to work in a larger interdisciplinary team
- strong communication skills
- willing to travel nationally and internationally to beamtimes

For further information please contact Prof. Dr. Markus Gühr (mguehr@uni-potsdam.de) and have a look at the group website www.exp-quantum.org.

Under the laws of the federal state of Brandenburg, employees under this contract are permitted to dedicate at least 33% of their contract time for their scientific qualification.

The University of Potsdam aims to increase the proportion of women in research and teaching and therefore invites qualified applicants to apply. The University of Potsdam values the diversity of its members and pursues the goals of equal opportunities regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation or identity. In the case of equal suitability, women within the meaning of Section 7 (4) BbgHG and severely disabled people will be given preferential consideration. Applications from abroad and from persons with a migration background are expressly welcome.

Applications consisting of 1) a letter explaining your motivation to apply 2) a CV and 3) contact information of two to three references should be send via email (with requisition number 385/2020 in headline) at the latest by October 11th 2020 to mguehr@uni-potsdam.de.

Potsdam, 18/09/2020