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 / Department of Physics / Institute for Experimental Physics invites applications for a

**RESEARCH ASSOCIATE (LASER SCIENTIST)** FOR THE PROJECT "ADVANCED SEEDING TECHNIQUES FOR XUV AND ANGSTROM RADIATION (STAR)"

- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences at April, 1st 2020.

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 until June, 30th 2022. The position calls for 100 % of standard working hours per week. This position is also suitable for part time employment.

**RESPONSIBILITIES:**

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

**SPECIFIC DUTIES:**

Within the STAR project we exploit and further improve seeding techniques for FEL sources pushing the frontier towards complete control over the temporal coherence. The successful candidate’s main duties include the operation of a high-power fs laser system, different frequency conversion stages and an optical pulse transport system to provide the fs pulses required for seeding experiments inside the electron accelerator. Contributions to the characterization of the seeded radiation are also expected.

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

A university degree in a relevant field. Experimental skill, especially with optical and pulsed laser technologies (preferably fs-laser pulses) is required. Good team player capabilities for working in a collaborative environment are inevitable. Sound knowledge of the English language is expected.

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. M. Drescher (markus.drescher@desy.de) or consult our websites at https://sflash.desy.de/.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 14.03.2020 to: markus.drescher@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.