



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 invites applications for a

## JUNIOR PROFESSORSHIP (W1) FOR SEEING EXCITONS IN MOTION

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commencing as soon as possible, ref. no. JP 298

### RESPONSIBILITIES:

The successful candidate is expected to have made excellent research contributions to the area of ultrafast processes in solids. In particular, the candidate must have experience in the quantum-electrodynamical description of x-ray processes, in both the soft and hard x-ray regimes and have published work on the theory of electronic wave-packet dynamics in molecules and solids. The successful candidate is also expected to actively foster the connection between attosecond physics and solid-state physics and must have experience in collaborating with experimental research groups. It is particularly desirable for the successful candidate's research to have potential applications in the area of renewable energy.

In their application, applicants are expected to indicate to which of the University's core research areas, emerging fields, or profile initiatives (<https://www.uni-hamburg.de/en/forschung/forschungsprofil/forschungsschwerpunkte.html>) their research can best be assigned. Duties then include participation in one or more of the core research areas, emerging fields, or profile initiatives.

The successful candidate is expected to participate actively in the instruction of students at all levels. Teaching duties include holding lectures, practical courses, and seminars as well as supervising final theses in programs offered by the Department of Physics.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

### REQUIREMENTS:

Academic qualifications and additional requirements as specified in Section 18 HmbHG.

## **ADDITIONAL CRITERIA:**

Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

**The position will be filled on the condition that the Volkswagenstiftung funds the applicant as a Freigeist Fellow. The appointment call will be made only after the Volkswagenstiftung has authorized the funding.**

The post holder is expected to acquire the language skills necessary to teach in German (Level C1 of the Common European Framework of Reference for Languages) within two years of commencing employment providing he or she does not have the requisite skills when starting.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

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

For further information, please contact Prof. Dr. Daniela Pfannkuche at [daniela.pfannkuche@physik.uni-hamburg.de](mailto:daniela.pfannkuche@physik.uni-hamburg.de).

The application deadline is **20. September 2019**. Please submit your application with your CV, list of publications, teaching experience, external funding record, copies of certification and documents, three representative publications, teaching and research plans, and the reference number **JP 298**, preferably by email in a single PDF file, to: [Bewerbungen@verw.uni-hamburg.de](mailto:Bewerbungen@verw.uni-hamburg.de) or per post to:

An den  
Präsidenten der Universität Hamburg  
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