

**Faculty/Department:** Mathematics, Informatics, Natural Sciences/Physics  
**Seminar/Institute:** CUI: Advanced Imaging of Matter

Universität Hamburg invites applications for a Research Associate for the project “**Cluster of Excellence 'Advanced Imaging of Matter' - First-principles theory of molecules dressed by strong light fields**” in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 1 June 2019 earliest.

It is remunerated at the salary level TV-L 13 and calls for 75 % of standard work 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 to 3 years.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (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:**

- Development of electronic-structure tools for computing the potential energy surfaces of light-dressed molecules.
- Applications to specific molecular systems.
- Calculations of the resulting nuclear dynamics.

#### **Requirements:**

A university degree in a relevant field. Programming experience is required. Experience in molecular electronic-structure theory is a plus.

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

For further information, please contact Prof. Dr. Robin Santra ([robin.santra@cfel.de](mailto:robin.santra@cfel.de)) or consult our website at <https://desy-theory.cfel.de/>.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 1 April 2019. Please send applications to: Prof. Dr. Robin Santra ([robin.santra@cfel.de](mailto:robin.santra@cfel.de)).

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