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 Chemistry, Institute of Anorganic Chemistry invites applications for a

**RESEARCH ASSOCIATE FOR THE PROJECT**

**“TOWARDS A FIRST-PRINCIPLES UNDERSTANDING OF MAGNETORESISTANCE IN RADICAL MOLECULAR JUNCTIONS”**

- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on 01.02.2021.

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 for a period of 1.5 years. The position calls for 39 hours per week. This position is also suitable for part time employment.

**RESPONSIBILITIES:**

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

**SPECIFIC DUTIES:**

- Literature research
- Quantum chemical simulations
- Writing manuscripts
- Presenting posters and talks
- Programming and/or scripting
- Co-mentoring students
**REQUIREMENTS:**

A university degree in a relevant subject plus doctorate. Furthermore, a thorough understanding and extended previous experience with density functional theory calculations, molecular electronics and spintronics, and in-depth knowledge of scientific programming and modern scripting languages are required. In particular, experience with DFT-NEGF transport calculations on molecular junctions with a program package such as ATK is required, as is experience with open-shell (radical) molecular electronic structure calculations. Excellent communication skills (both oral and written) in English are a must, as is the ability to work in a well-organized manner and in close interaction with our experimental and theoretical collaboration partners. Openness towards co-mentoring students is a plus.

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. Carmen Herrmann or consult our website at https://www.chemie.uni-hamburg.de/institute/ac/arbeitsgruppen/herrmann.html.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 30.11.2020 to: Carmen.Herrmann@chemie.uni-hamburg.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.