

1 PhD position (f/m/d) is available for 3 years at the Faculty 2 Biology/Chemistry of the University of Bremen in the research group Theoretical Chemistry under the supervision of Prof. Dr. Tim Stauch. The salary is according to Entgeltgruppe 13 TV-L (full equivalent).

The time limitation is based on § 2 (1) WissZeitVG (Wissenschaftszeitvertragsgesetz, i.e. temporary science employment act). Therefore, candidates may only be considered who dispose of the respective scope of qualification periods according to § 2 (1) WissZeitVG.

This project is part of an interdisciplinary program focusing on the rational design of ceramic/polymer composite materials with tailored properties for space applications.

Project description:

- Quantum chemical calculations on the stability of open-shell molecular and periodic systems for the development of materials for space applications
- Calculation of spectroscopic properties and strain in systems that are exposed to ionizing space radiation
- Conducting research that should lead to a dissertation
- Teaching responsibility (e.g. basic practical courses in General Chemistry and advances practical courses in Computational Chemistry)

We expect the applicant to be willing to work in an interdisciplinary team and to have a very good degree (B.Sc.+M.Sc. or Diploma) in Chemistry, Physics or related sciences with a focus on (theoretical) Chemistry. Experience in running calculations with quantum chemical program packages as well as in the supervision of students in practical courses and seminars is desired.

Female candidates and candidates with a migration background are particularly invited to apply for this position.

Candidates with disabilities will be favorably looked upon if their application is of equal quality and fit for the position.

Please send your application (letter of motivation, CV, publication list) until **November 6th, 2020** with the **reference number A250/20** to

Universität Bremen
MAPEX Center for Materials and Processes
Dr. Hanna Lührs
Am Biologischen Garten 2
28359 Bremen, Germany

or as a **single PDF file** via email to Dr. Hanna Lührs (mapex@uni-bremen.de)

Please do not hesitate to contact us via email for further information and inquiries.