

## PhD position (m/f/d) – 422-01/2021 In the area of **Computational Chemistry**

The Leibniz Institute for Catalysis (LIKAT Rostock) with approx. 300 employees and guests is one of the leading European research institutions in the field of catalysis. LIKAT is a competent partner for the research and development of homogeneous and heterogeneous catalysts as well as catalytic processes and technologies. LIKATs focus is on application-oriented basic research and applied research. Therefore, it cooperates with industrial companies and research institutes worldwide.

The research group of Dr. Milica Feldt in the department of Theory in the homogeneous and heterogeneous catalysis has an opening for a position in this area.

### **Your task:**

You will be working in a newly established young researchers group of Dr. Milica Feldt which is investigating iron catalysts by computational methods. Iron is present in different oxidation and spin states thus it is very challenging for computational chemistry. The goal is to gain a better understanding of iron complexes which can help in the design of more efficient catalysts. To reach this understanding we will be working on biomimetic non-heme iron catalysts by using different computational chemistry approaches.

### **Your competence:**

- University degree (Master) in Chemistry, Physics, (Bio)informatics or a related field
- Experience in theoretical (Bio-)Chemistry and/or in Physics is appreciated, but not mandatory
- Basic knowledge of computational chemistry techniques as well as Unix operative system is appreciated, but not mandatory
- Good spoken and written English
- Communication and teamwork skills

**Our offer:** We offer a challenging PhD position in an excellent, international environment at the LIKAT Rostock. The position is available from January 1, 2022 and limited to 3 years. Place of work is Rostock. The salary is based on public service rates of the German states (E13 TV-L, 50%).

LIKAT supports professional equality of women and men and so applications from women are most welcome. In areas where women are underrepresented at LIKAT preference will be given to women with equal qualification. Disabled applicants with equal qualification and aptitude will be given preferential consideration.

Please, send your application (including C.V., list of publications, copies of relevant examination certificates and names contact information of two referees) as an e-mail (**in one pdf file with a max. size of 25 MB**) by e-mail quoting the reference number **422-01/2021** to **bewerbungen@catalysis.de** until **December 1, 2021**.

For topic related questions, please contact Dr. Milica Feldt (milica.feldt@catalysis.de) directly.

Please note that application and travel costs cannot be reimbursed.