

PhD position (m/f/d) – 417-02/2023 In the area of **Modern Concepts in Molecular Catalysis**

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 Prof. Torsten Beweries in the department of Modern Concepts in Molecular Catalysis has an opening for a position in this area.

Your task:

You will develop new late transition metal catalysts for the selective dehydropolymerisation of amine boranes to poly(aminoborane)s. The project will involve the design and synthesis of new ligands and catalysts, catalytic tests, and mechanistic studies. Polymer characterisation and processing will be done in the group and with in-house and external cooperation partners.

Your competence:

We are looking for a person with a Master's degree in chemistry, ideally with experience in homogeneous catalysis, organometallic chemistry or organic chemistry and the ability to work under anaerobic conditions. Experience in ligand synthesis is an advantage. A good command of written and spoken English is also required. The applicant must be willing to work in an international research team, have a high level of self-motivation and work independently at a high scientific level.

Our offer: We offer a challenging PhD position in an excellent, international environment at the LIKAT Rostock. The position is available from September 1, 2023 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 **417-02/2023** to **bewerbungen@catalysis.de** until **June 11, 2023**.

For topic related questions, please contact Prof. Torsten Beweries (Torsten.Beweries@catalysis.de) directly.

Please note that application and travel costs cannot be reimbursed.