

PhD position (m/f/d) – 405-03/2022

In the area of **Silicones and Silicon-Containing Polymers**

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 Udo Kragl and Esteban Mejía in the department of Polymer Chemistry and Catalysis has an opening for a position in this area.

Your task:

- Development of new silicon-containing monomers and cross-linkers for the preparation of silicones and silicon-containing polymers with tailored properties
- Preparation and characterization of catalysts for silicone cross-linking reactions
- Establishment of recycling methodologies for post-consumer silicone waste
- Writing of high-quality reports, scientific publications, and patents

Your competence:

We are looking for a PhD candidate with a Diploma or Master (or equivalent qualification) in Chemistry or Chemical Engineering with experience in organic synthesis, organometallic chemistry, and catalysis. Experience in polymer synthesis and characterization is advantageous. A proficient use of written and spoken English is requisite. German knowledge is not required

Our offer: We offer a challenging PhD position in an excellent, international environment at the LIKAT Rostock. The position is available from March 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 **405-03/2022** to **bewerbungen@catalysis.de** until **February 28, 2022**.

For topic related questions, please contact PD Dr. habil. Esteban Mejía (esteban.mejia@catalysis.de) directly.

Please note that application and travel costs cannot be reimbursed.