



Leibniz-Institut für Katalyse e.V.
LIKAT Rostock



PhD position (m/f/d) – 405-01/2025

In the area of Catalysis with Renewable Resources

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 PhD position is accompanied by two supervisors (LIKAT and the University of Rostock, Institute for Chemistry). The University of Rostock is a tradition-conscious yet innovative, modern and family-friendly university in a lively city located close by the beautiful baltic sea. Founded in 1419, it is the oldest university in the baltic region and looks back on more than 600 years of teaching and innovative research.

The research group of Prof. Peter Huy and Dr. Sergey Tin in the department of University of Rostock and Polymer Chemistry and Catalysis in LIKAT has an opening for a position in this area.

Your task:

The overall goal of the advertised PhD project is to discover new approaches for the valorization of renewable materials as commodity and fine chemicals to meet the demands and face the challenges of our modern and global society. You will develop new organocatalytic, sustainable methods for the selective dehydration of alcohols derived from molecules readily available in nature. The position is funded by the LEIBNIZ Society in the framework of the Uni-LIKAT program. Thus, the PhD project will be mentored jointly by Dr. Sergey Tin from the LIKAT and Prof. Peter Huy from Rostock University.

Your competence:

We are looking for an individual with a Masters degree in Chemistry or a comparable qualification ideally with significant experience in organic chemistry and / or homogeneous catalysis. Expertise in the transformation of renewable resources is advantageous. Good spoken and written English is also required. The candidate is expected to be highly self-motivated and to work independently on 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 April 1, 2025 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, 65%).

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 **405-01/2025** to **bewerbungen@catalysis.de** until **March 15, 2025**.

For topic related questions, please contact Prof. Peter Huy or Dr. Sergey Tin (Peter.Huy@uni-rostock.de or Sergey.Tin@catalysis.de) directly.

Please note that application and travel costs cannot be reimbursed.