



Leibniz-Institut für Katalyse e.V.  
LIKAT Rostock



## **PhD Position (m/f/d) - 410-03/2019** **In the area of CO<sub>2</sub> utilization, organocatalysis and biocatalysis**

The Leibniz Institute for Catalysis e.V. (LIKAT) 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 position is appointed at the LIKAT within the graduate school of the Leibniz ScienceCampus Phosphorus Research Rostock. The PhD project is a collaboration between the group of Dr. Jan von Langermann (Biocatalysis, University Rostock) and PD Dr. Thomas Werner (Organocatalysis, LIKAT).

**Your task:** The position is dedicated to the synthesis and enzymatic conversion of cyclic carbonates using CO<sub>2</sub> as a C1 building block. For this propose it is planned to bind phosphorus-based organocatalysts covalently to enzymes.

**Your competence:** A Diploma or Master degree in organic chemistry or a related field is required. Key requirements are profound experience in organic synthesis as well as interest in organocatalysis, biocatalysis and the utilization of CO<sub>2</sub>. Outstanding motivation and willingness to work in an international interdisciplinary team is mandatory.

**Our offer:** We offer an attractive international research environment with an international team, high-end technical equipment, interdisciplinary cooperations and conference participation during the position. The position is available from November 1, 2019 and is restricted to three 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. Because in this sector of LIKAT women are underrepresented 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 a motivation letter, CV, title and short summary of diploma/MSc thesis, list of publications (if applicable), copies of relevant examination certificates and contact information of 2–3 referees) as one pdf file with a max. size of 25 MB by e-mail quoting the reference number **410-03/2019** to **bewerbungen@catalysis.de** until **September 8, 2019**.

For topic related questions, please contact Dr. Thomas Werner (E-mail: [thomas.werner@catalysis.de](mailto:thomas.werner@catalysis.de)) and Dr. Jan von Langermann ([Jan.Langermann@uni-rostock.de](mailto:Jan.Langermann@uni-rostock.de)) directly.

Please note, that the institute cannot reimburse any application and travel costs.