



The Rehbein Lab is a member of the Faculty of Chemistry & Pharmacy at the University of Regensburg, Germany. We are investigating unusual chemical reactivity and photoactivated reaction pathways by combined means of experiments and computational chemistry. Within the CRC 325 (“[Assembly-Controlled Chemical Photocatalysis](#)”.) we are currently looking for a dedicated and talented

PhD Student

who is interested in the development of synthetic methods based on the photocatalytic activation of NHC-boranes. The project aims to enable and control light-triggered transformations involving NHC-boranes and understand the effectors modulating the optional pathways by *in situ* formation of ternary complexes. Tools that will be used range from spectroscopy covering a broad time-scale from ps-min, synthesis and computational chemistry. The PhD position is fully funded through the transregional Collaborative Research Center CRC 325, an interdisciplinary consortium of synthetic chemists, biochemists, spectroscopists, and theoreticians.

Candidates with a Master’s degree in Chemistry, who are highly motivated to learn about photochemistry, *in situ* spectroscopy (pump-probe UV, EPR) and computational chemistry are encouraged to apply. Previous practical experience in either synthetic organic chemistry and photocatalysis or theoretical chemistry and spectroscopy will be of benefit.

If you are enthusiastic about science and wish to work on an exciting and challenging research project of modern physical organic chemistry within an international and interdisciplinary team, please apply by e-mail to apply-crc325@ur.de and indicating that you wish to apply for **project B5**. The application should include a cover letter, CV, transcript of records (BSc and MSc), and contact details to request two reference letters.

For further information about this position, please contact Prof. Dr. Julia Rehbein by e-mail or the contact form of our website.

Prof. Dr. Julia Rehbein

Professor of Chemistry (POC); University Regensburg, Germany

E-mail: julia.rehbein@ur.de

Group website: www.reaction-dynamics.com