



Open PhD positions within the CRC 1436 – Neural Resources of Cognition

The Collaborative Research Center 1436 “**Neural Resources of Cognition – Unlocking the Full Cognitive Potential of the Brain**” in Magdeburg offers several PhD positions for talented, skilled, and highly motivated students of Life Sciences.

CRC 1436 is an integrative center established recently in Magdeburg, Germany, by the Otto von Guericke University, the German Center for Neurodegenerative Diseases (DZNE) and the the Leibniz Institute for Neurobiology (LIN). It is funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) – SFB-1436 - Project-ID 425899996.

The innovative research program of the CRC deals with the fundamental question of what are the neurobiological principles that constitute and limit neural resources of cognition and constrain the potential to fully utilize or to even increase these resources. Using intervention-based research projects in humans and animal models, we aim to understand individual variability, including aging and superaging, and transferrable enhancement of cognitive functions. We will consider important modifiers such as tau- and amyloid-pathology, sleep deprivation and vascular reserve. We will utilize a wide range of cutting-edge and unique imaging technologies. Applicants with expertise in state-of-the-art techniques in Life Sciences and a genuine interest in interdisciplinary neuroscience research are invited to apply.

PhD students will be admitted to the local graduate program of the CRC with outstanding opportunities in multidisciplinary and interconnected scientific fields supported by the mentoring and networking opportunities of the CRC 1436.

For more details on the research topics, the qualification program, as well as the application and recruitment process, please check our website at <http://www.iknd.ovgu.de/SFB+1436.html>.

Applicants should submit a detailed CV including any publications, a motivation statement, copies of academic degrees (in English or German), two references, as well as their project preference(s) to our spokesperson: **Prof. Dr. Emrah Düzel, German Center for Neurodegenerative Disease, Magdeburg, Germany, by email as a single PDF to ApplicationCRC1436@med.ovgu.de**

The application deadline is April 5th, 2021.

Note: By submitting the application to the CRC spokesperson, applicants agree that this information is shared among the CRC1436 labs and the coordinator of the IRTG according to EU-DSGVO regulations. The Otto-von-Guericke University of Magdeburg promotes equal opportunities and diversity in its employment relations.