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The Institute of Applied Physiology at the Medical Faculty of **Ulm University, Germany** is offering

Ph.D. positions in molecular and circuit neuroscience (m/f)

The joined projects will be conducted in the research groups of Prof. Birgit Liss and Prof. Dennis Kaetzel, and focus on analysing disease mechanisms related to the dopaminergic system, in particular on Parkinson's disease and Schizophrenia. The methods deployed include state-of-the art circuit neuroscience techniques like optogenetics, chemogenetics, fMRI, and electrophysiology (in vivo & in vitro patch-clamp, multielectrode array) as well as high-end molecular techniques like CRISPR/Cas9 and single-cell transcriptomics. For further information, please see: <https://www.uni-ulm.de/med/angewphys/>

The position will be funded according to the German TV-L system, and the successful applicant can be embedded within the framework of the International Graduate schools for Molecular Medicine (<http://www.uni-ulm.de/einrichtungen/mm.html>) and for Aging (CEMMA, <https://www.uni-ulm.de/med/cemma.html>) at Ulm University. Ulm University is ranked first among the German universities younger than 50 years and has an excellent Medical Faculty with a broad range of core facilities and translational neuroscience research groups.

Candidates will hold an outstanding M.Sc. or equivalent degree in neuroscience, life science or a related subject. Experience in bioinformatics, molecular biology, electrophysiology, mouse behavioural analysis and/or circuit neuroscience are very much appreciated. Applicants are expected to be enthusiastic about science, very self-motivated team workers, and have strong communication skills and diligent work ethics.

Are you interested?

Please send in only complete applications containing cover letter, statement of research interest (max. 1 page), certificates of B.Sc. and M.Sc. degrees, CV, and contact details of two references by mail to:

Prof. Birgit Liss,

Reference No 140217

Institute of Applied Physiology, Ulm University, N27,
Albert Einstein Allee 11, 89081 Ulm, Germany

or via email (as **one** merged PDF-file) to med.angewphys@uni-ulm.de

Please send copies only, as application documents will be destroyed after the selection process.

Employment takes place through the administration department of the University Medical Center Ulm, which acts in the name and on behalf of the federal state of Baden-Württemberg. Handicapped people with equal qualifications will be employed preferentially. The Ulm-University strives for an increased proportion of women in research and teaching and therefore strongly encourages qualified female scientists to apply for the position. Travel cost in case of selection for an on-site visit can't be reimbursed.