



**LIN** LEIBNIZ-INSTITUT  
FÜR NEUROBIOLOGIE  
MAGDEBURG



The Leibniz Institute for Neurobiology is an internationally recognized neuroscientific research institute and dedicated to the research on learning and memory. Our research comprises all organizational levels of the brain – from molecular and cellular processes to complex neuronal networks and behavior. The Institute is a foundation under public law and committed to a comprehensive policy of Equal Opportunities in employment and research.

The DFG - funded research training program SynAGE (RTG 2413/[www.synage.de](http://www.synage.de)) seeks two *highly motivated*

### **PhD students/doctoral students (f/m/d)**

to join a team of researchers from the Research Group Neuroplasticity NPLAST at the Leibniz-Institute for Neurobiology in Magdeburg ([www.lin-magdeburg.de](http://www.lin-magdeburg.de)). The training program is focused on the different facets of synaptic aging in health and disease. The posts are available initially for a 3-year fixed-term period with a salary of *TV-L E13 (65%) starting latest January 1st 2022*.

### **The projects**

The two thesis projects will address the interplay of synaptic insulin resistance and amyloid-pathology in high-risk aging and provide an inventory of membrane lipids as well as the synaptic proteome in senescent mice. We will try to understand which synaptic changes underlie cognitive decline in aging and which measures can be taken to improve cognition. The Research Group NPlast offers a broad range of techniques to address these questions ([www.kreutzlab.com](http://www.kreutzlab.com)).

### **Your profile**

- completed university degree (master, diploma or similar qualification) in neuroscience, biology, biochemistry or other relevant discipline
- experience in cell biology, microscopy, imaging and/or biochemistry
- independent, self-reliant and dedicated style of work

### **We offer**

- working in an interdisciplinary environment and an international team
- opportunity to develop a doctoral thesis with intensive mentoring and support through RTG SynAGE and the CBBS graduate program of the Magdeburg neuroscience community

Your employment, salary and employee benefits comply with the collective pay agreement (German TV-L). Equal opportunities as well as compatibility of family and work are part of our HR policy. Severely disabled applicants with equivalent occupational aptitude will be considered preferentially.

Please submit your application in one PDF file including a detailed CV, names of two referees and brief statements of motivation and research interest via e-mail to: [bianka.gehe@lin-magdeburg.de](mailto:bianka.gehe@lin-magdeburg.de). **Applications will be considered until the positions are filled.**

By submitting your application, you consent to the processing of your personal data for the purpose of the application process. Our detailed privacy policy for applicants (m/w/d) acc. Art. 13 DSGVO on data processing in the application process will be sent on request. Your attention is drawn to the fact that no application or interview expenses can be paid. Documents will be deleted after 6 months.