



The Leibniz Institute for Neurobiology (LIN) is an institute for basic scientific research dedicated to investigating the mechanisms of learning and memory on the molecular, cellular and systems levels. With its broad spectrum of animal and human experimental research approaches and its modern technical facilities, the LIN is one of the cornerstones of Magdeburg as a centre for neurosciences.

We are seeking, at the earliest opportunity, a highly motivated

PhD student (f/m/d)

for a project covering

**small animal magnetic resonance tomography (MRT),
animal behavior and neuronal tract tracing**

for a three-year appointment with a salary of TV-L E13 (50% in the 1th year and 65% in the 2nd and 3rd year).

Your role

Within your PhD project, i.e., the completion of your PhD thesis, you will mainly perform functional magnetic resonance imaging on rodents during auditory stimulation using an ultra-high field small animal MRT. You will also test these animals in behavioral experiments and trace and manipulate (photolytic ablation) neuronal connections.

Your profile

- a completed university degree (master, diploma or similar qualification) in neuroscience, biology, medicine or a related natural science
- some experience in small animal MRT, behavioral and/or anatomical approaches would be beneficial
- willingness to learn new imaging, anatomical, behavioral and related techniques
- an innovative spirit and enjoyment of working in an international team

We offer

- an excellent supervision including a PhD thesis committee
- integration into the graduate training program at the LIN
- a challenging and versatile position in an enthusiastic team
- excellent working conditions and opportunities for cooperation
- state-of-the-art technical facilities (e.g., <https://cni.lin-magdeburg.de/index.php/en/>) including high-resolution 9.4 T small animal MRT and modern anatomical laboratory

Your appointment and welfare benefits will be in line with the Collective Agreement for Public Service in the Federal States (TV-L). Equality of opportunity and the compatibility of career and family form part of our HR policy. Candidates with severe disabilities will be given preferential treatment if equal suitability is demonstrated.

Please contact PD Dr. Eike Budinger (budinger@lin-magdeburg.de) or Dr. Nicole Angenstein (nicole.angenstein@lin-magdeburg.de) in case of any questions. If we have sparked your interest, please send your application documents including a motivation letter, CV, copies of relevant certificates and your earliest possible start date, quoting the reference number **LIN 2018/9.4T-MRT01**, by **30.11.2018** (arrival here) preferably in the form of a single pdf document to mrt-appl@lin-magdeburg.de.

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.