The Department in **Department Functional Architecture of Memory** at the **Leibniz Institute for Neurobiology** in Magdeburg (Germany) headed by Professor Sauvage (https://www.lin-magdeburg.org/research/research-units/department-functional-architecture-of-memory) is looking for a highly motivated

Post-doctoral Research Scientist for behavioral and molecular, *in-vivo* electrophysiological or fMRI neurosciences

in full-time for a 3-year fixed-term position. The position is available immediately (flexible for the right candidate).

The department focuses on dissociating the contribution of the different subareas of the medial temporal lobe (CA1, CA3, DG, MEC, LEC, PrC, POR) to memory in healthy subjects (rodents and humans), in aging and in animal models of amnesia. Recent vs ancient memory, memory for time/space/episodes and encoding/retrieval/reconsolidation are studied. Within this frame, we have recently identified new spatial and non-spatial subnetworks segregated along the proximodistal axis of the hippocampus (Nakamura et al, J. Neuroscience, 2013; Beer and Vavra et al, Plos biology, 2018), hypothesized a network shift be-tween the Trisynaptic loop and the Temporoamonic pathways as the memory trace ages (Lux et al, Elife, 2016) and started to depict memory networks supporting reconsolidation (Lux et al, Cerebral cortex, 2017). Techniques include high-order standard or translational humans to rats memory tasks combined to lesions, optogenetics, high-resolution molecular imaging based on the detection of immediate-early genes and in-vivo electrophysiology. fMRI studies in awake rodents (9.4T) and human behavioral studies are also conducted to a lesser extent (Sauvage et al, Nature Neuroscience, 2008; Sauvage et al, J. Neu-roscience, 2010; Sauvage et al, J.Neurosc. Methods, 2019).

Qualification: The candidate should have expertise in behavioral techniques and molecular biology (e.g. in-situ hybridization techniques), in-vivo electrophysiology or rodents fMRI, and be highly motivated by interdisciplinary studies. The group is international (France, Spain, Taiwan, Japan, Tadzhikistan, Germany), hence the communication language is English. The group interacts tightly with the Neural Dynamics laboratory (Prof. Yoshida; in-vitro/vivo electrophysiology & modeling) as well as with many national and international partners including MIT (Boston, USA), RIKEN (Tokyo; Japan), DZNE and MPI (MD and Co-logne; Germany). Candidates of all nationalities are encouraged to apply.

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.

For informal inquiries about the project and post, please contact Prof Magdalena Sauvage (magdalena.sauvage@lin-magdeburg.de). We are looking forward to your complete electronic application. Please send one PDF file comprising cover letter, CV, publication list, names and contact of 3 references and a brief statement of motivation and research interests to jessica.levin@lin-magdeburg.de, reference ID: **LIN 2019/FAM01**. Review of applications begins October 1st and will last until the position is filled. Some interviews can take place at the SFN 2019 (Chicago) or the "Recollection, Familiarity, and Novelty Detection" meetings (Liège, Belgium).

Please be aware that costs for application and interview are not refundable. Please note the information for storage of personal data:
https://www.lin-magdeburg.de/fileadmin/user_upload/04_Karriere/Datenschutzhinweise_Bewerber_LIN.pdf

Leibniz Gemeinschaft

Zertifikat seit 2013
audit berufundfamilie