



The **Max Planck Institute for Human Cognitive and Brain Sciences** in Leipzig, Germany is an internationally recognized research institute of the Max Planck Society and is dedicated to the study of human cognitive abilities and brain processes as well as the development of neuroimaging methods. The **Nuclear Magnetic Resonance Methods and Development Group** lead by Prof. Harald Möller is offering a position for an

RF Engineer (m/f/d)

as a technical or scientific staff member.

As a qualification, we expect a university or university of applied sciences degree in electrical engineering, biomedical engineering, physics or a comparable field. The applicant should have relevant practical experience in the field of radiofrequency (RF) technology, including antenna construction for frequencies between 10 and 400 MHz and the adaptation of RF resonant circuits to specific frequencies. In addition, we expect very good knowledge in the construction of electronic devices and in signal processing, manual skills (turning, milling, drilling) as well as good IT and English skills. Experience in 3D printing and in general from previous work in a research laboratory is desirable.

The Institute offers a world-leading research environment with outstanding facilities and research infrastructure. Among large-scale devices already available or planned for the near future are five human-scale magnetic resonance imaging (MRI) scanners, including a 3T Connectom with 300 mT/m gradients and a 7T Terra.X with 16 RF transmit and 64 RF receive channels, a preclinical 9.4T scanner with a cryoprobe for scanning brain samples, and magnetic field cameras for MRI at 3T and 7T.

The future job holder will work in an international environment and support the further development of RF components for MRI or other neuroimaging techniques. In addition, the candidate will be expected to work independently on the development of new devices for applications in neuroscientific experiments (so-called "cognitive interfaces"), the creation of corresponding documentation (manuals etc.) and to take on work in the context of maintenance and ensuring safety regulations.

Depending on qualifications, the position is initially limited to **up to three years**, with the possibility of an extension. The **starting date is flexible**. The salary is based on the collective agreement for the public sector and depends on professional experience.

The Max Planck Society strives for equality and diversity. We welcome applications from all areas. The Max Planck Society has set itself the goal of employing more severely disabled people. Applications from severely disabled people are expressly encouraged.

We look forward to receiving your complete online application (reference number "**HF 03/25**") at <https://www.cbs.mpg.de/vacancies/open-positions>. To apply, please send your detailed documents with a motivation as to why you are applying for this position, as well as your qualifications, a full CV and a copy of your references. The closing date for applications will be **May 31, 2025**, however, we will start screening applications already earlier. Please feel free to contact Prof. Dr. Harald Möller (moeller@cbs.mpg.de) for informal enquires about the positions.