

Do you want to help to push the limits of MRI and MRS?

The German Primate Center GmbH (DPZ) is one of 97 research and infrastructure establishments of the Leibniz Association. It conducts basic biological and biomedical research in all fields in which non-human primates play essential roles: in particular in infection research, the neurosciences and organismic primate biology.

The Functional Imaging Laboratory at the DPZ is searching for a highly motivated

Postdoctoral Research Associate (Full-time position, E13/E14) in the field of MR Physics

We offer an inspiring working environment that combines MR method development and its application to exciting biomedical research projects.

If you

- are an MR Physicist or have a similar research track record
- have completed a PhD in MR physics or in a closely related field,
- have substantial experience in MRI sequence programming, preferably in ParaVison and/or IDEA,
- have extensive working knowledge of at least one of the relevant programming languages (e.g. Python, MATLAB, Julia, C++, Java, R)
- you are looking for a professional career in translational research in neuroscience and/or cardiovascular sciences,
- are able to identify areas for MR methods improvement and initiate new projects,
- are able to successfully manage several projects in research and development in parallel

We offer

- an international multidisciplinary group with much emphasis on teamwork and team spirit
- exciting and broadly oriented projects both in basic and applied MR research including MRI/MRS of various model animal species and humans
- the opportunity to develop and further pursue an independent academic research profile
- a full-time position, initially limited to 2 years, with the option of a long-term position

The Functional Imaging Laboratory conducts MRI and MRS research and applies these techniques to small rodents, non-human primates and humans. The Lab runs two MR-Systems, a 9.4 T BioSpec (Bruker) and a 3 T PRISMA (Siemens). Our focus is on neuroscience and cardiovascular imaging, but we also perform structural and functional imaging of other organ systems and ex vivo preparations. We are developing novel and/or improved MR acquisition and image reconstruction techniques, including non-Cartesian sampling, multi-contrast quantitative MRI (T2, T2*, Magnetization Transfer, Quantitative Susceptibility Mapping, diffusion, chemical exchange saturation transfer (CEST), and X-nuclei MRI/MRS (31P, 13C, 7Li).

Your responsibilities will include:

- Leading independent research projects and support collaborative projects
- Design, implement, and test novel MRI sequences and analysis methods
- Author scientific publications and grant proposals
- Communicate effectively with team members, present findings and progress
- Give lectures, supervise trainees and maintain research infrastructure

The appointment at the DPZ follows the applied regulations of the national civil service. The classification follows the TV-L. Applicants with disabilities and equal qualifications will be given preferential consideration. We kindly ask you to indicate any disabilities in your application.

Please send in your written application as a pdf, including a short statement of research interests in the context of prior work, CV, and the contact information of two referees by 30.07.2023 under the keyword “Functional Imaging MR physics” to Deutsches Primatenzentrum GmbH – Leibniz Institut für Primatenforschung – Personnel Office – Kellnerweg 4 – 37077 Göttingen or via mail to [bewerbung\(at\)dpz.eu](mailto:bewerbung(at)dpz.eu).

For further information, see www.dpz.eu; contact: Susann Boretius, head of the functional imaging laboratory, +49 551 / 3851-390. For more information about the Leibniz Association see <https://www.leibniz-gemeinschaft.de>

Weitere Informationen zur Leibniz-Gemeinschaft
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