



The MR Physics group (headed by Jürgen Finsterbusch) of the Department of Systems Neuroscience at the University Medical Centre Hamburg, Germany, is looking for a

Ph.D. student

to work on MR spectroscopy in an ERC funded research project.

The group is embedded in a multi-disciplinary, international research environment with physicists, physicians, biologists, and neuroscientists and hosting a high-performance, research-only 3T whole-body MR system (Magnetom PrismaFit).

Within a project focussing on pain processing, the Ph.D. student is responsible for the implementation of human spinal cord MR spectroscopy and methodological improvements of MR spectroscopy with an emphasis on tailored measurement volumes using multi-dimensional RF excitations.

Applicants should have a completed MSc or equivalent degree in physics or a strongly related field and a high motivation to work in a multi-disciplinary field. Good knowledge of in vivo MR imaging or spectroscopy and solid programming skills are expected; experience in MR pulse sequence programming (ideally IDEA framework) is a plus.

For more information or applications, please contact

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