



University
of Basel

Department of
Biomedical Engineering



Job announcement

Postdoc - MR Sequence Development (100%) for Dynamic and Quantitative Muscle MR Imaging

The Basel Muscle MRI (BAMM) Group at the University of Basel (Department of Biomedical Engineering) is looking for a Postdoc on a project titled “*Advancing Neuromuscular Disease Evaluation: Developing Novel Multiparametric MRI Methods for Myotonic Dystrophy Assessment and Management.*”

This project aims to develop more advanced methods for image acquisition and explore other possible biomarkers of neuromuscular disease.

Your work will relate to the development of vendor-independent MR pulse sequences using the PyPulseq framework for dynamic and quantitative imaging of the muscle.

The BAMM group has a strong focus on open and reproducible science, and you will work in an environment that encourages collaboration and sharing of ideas. The group is well connected to the international community, and we will strive to support your personal and professional development with one-to-one mentoring.

Candidates should hold a PhD in MR Physics or related fields and need to have experience of MR sequence development. Reasonable Python programming skills are required. We are looking for people with a focus on open source development and on rigorous, reproducible science.

The position is funded for a maximum duration of 4 years according to the Swiss National Science Foundation regulations and is immediately available.

For further information, please contact:

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