

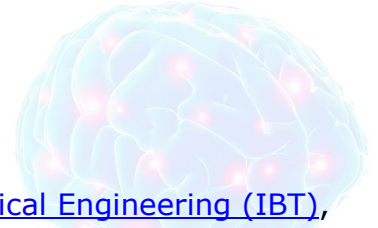


University of
Zurich^{UZH}

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

MR Scientist/Group Lead



The **Preclinical Imaging Centre (PIC)** at the [Institute for Biomedical Engineering \(IBT\)](#), jointly affiliated with the University of Zurich and ETH Zurich, seeks for a highly motivated MR scientist to lead the development of groundbreaking magnetic resonance and multimodal imaging technology for preclinical applications. The PIC consolidates several research groups devoted to development of novel structural, functional, metabolic and molecular imaging methods for functional neuroimaging, cancer and cardiovascular research and more. State-of-the-art infrastructure for *in vivo* imaging in rodents includes advanced 9.4T MRI scanners, multi-spectral optoacoustic tomography, fluorescence microscopes, ultrafast ultrasound, as well as hybrid imaging platforms not available elsewhere.

Job Profile

- You will lead the development of new methodologies and biological applications of preclinical magnetic resonance imaging with a major focus on brain research and neurodegeneration
- Support and expand our collaborative network with the local and international biomedical research partners
- Depending on career stage and aspirations, the position may involve recruitment of grant funding and developing own research directions at a group lead level

Your Qualifications

- PhD degree and/or postdoctoral experience in physics, biomedical or electrical engineering or related fields with a strong focus on magnetic resonance imaging
- Deep knowledge of MR imaging and spectroscopy hardware, sequences, and state-of-the-art methodologies
- Strong scientific publication record
- Analytical skills and programming expertise with data/image processing and analysis
- Practical experience with *in vivo* animal experimentation
- Willingness to acquire competitive funding
- Excellent command of English, self-motivation, goal-oriented and positive attitude

Our Offer

- Core-funded position with an initial term fixed to 2 years and performance-based long term perspective
- Working in a world top research institution with international, multi-disciplinary, highly innovative, well-equipped and scientifically stimulating environment
- Excellent training, career development and exchange opportunities

We look forward to receiving your application including letter of motivation, curriculum vitae and list of publications via the online job portal of ETH Zurich at:

https://www.jobs.ethz.ch/job/view/JOPG_ethz_bGoZVqCl3FI1nVYtMU

Questions regarding the position should be directed to Prof. Daniel Razansky via email at daniel.razansky@uzh.ch (no direct applications to this email address).