Medical University of Vienna

Department of Biomedical Imaging and Image-guided Therapy

Division of Molecular and Structural Preclinical Imaging

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MR Scientist/at the Division of Molecular and Structural Preclinical Imaging (PIL/EXPNUC) at the Medical University of Vienna

MR Scientist: 80%-100%, Vienna, fix term

The Division of Molecular and Structural Preclinical Imaging (PIL/EXPNUC) at the Medical University of Vienna (https://radnuk.meduniwien.ac.at/forschung/pil/), seeks a highly motivated MR scientist for the development of groundbreaking magnetic resonance and multimodal imaging technology for preclinical applications. The division consolidates several research groups devoted to the development of novel structural, functional, metabolic and molecular imaging methods in the fields of cancer, cardiovascular, neuro and MSK research. State-of-the-art infrastructure for *in vivo* imaging includes advanced a 9.4T PET/MRI scanner, PET/SPECT/ CT scanners, ultrasound, optical imaging etc..

Job description

- You will be responsible for the development of new methodologies and biological applications of preclinical magnetic resonance imaging +/- PET.
- Work in close cooperation with teams working in different fields from vascular, cancer, to neuro MRI plus developing contrast media and new PET/SPECT tracers.
- 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.

Your profile

- PhD degree and/or postdoctoral experience in physics, biomedical or electrical engineering or biology with a strong focus on magnetic resonance imaging
- Deep knowledge of MR imaging and spectroscopy hardware, sequences, and state-of-the-art methodologies (e.g.: Pmod, AMIRA, jMRUI, JIM/Xinapse)
- Scientific publication record
- Analytical skills and programming expertise with data/image processing and analysis
- Practical experience with *in vivo* animal experimentation (MATLAB etc.)
- Willingness to acquire competitive funding
- Excellent command of English, self-motivation, goal-oriented and positive attitude

For further details please contact: Thomas.Helbich@meduniwien.ac.at