

MR Physicist for an integrated MR/PET system

The Department of Nuclear Medicine at Technische Universität München, Germany, is internationally highly regarded in the field of molecular imaging. Since many years, multimodal imaging (SPECT, PET, MRI, CT) in clinical and preclinical applications is a core focus of our department.

We will install one of the first integrated wholebody 3T MR/PET systems in fall 2010. This unique combination provides unprecedented means of assessing simultaneously morphological, functional and molecular information.

In order to meet this extraordinary challenge, we expand our interdisciplinary team. We are looking for an MR Physicist (Ph.D. in medical physics, physics, or a related discipline) with extensive experience with Siemens MR systems including sophisticated sequence programming and preferably a background in multimodal imaging.

Responsibilities will be:

- Adjustment of MRI acquisition sequences to derive information in real time motion (navigator techniques) to integrate this into the PET image generation and fully utilize the potential of simultaneousness in hybrid imaging.
- Optimization of MRI data to perform PET attenuation correction
- General assistance in the selection and optimization of MRI sequences in oncological, neurological, and cardiovascular applications.

Excellent programming proficiency (C, C++, IDL, Matlab, etc.) is required. We expect proven scientific achievements, very good communication skills, and ability to work in a team.

Please send a cover letter describing your interests and goals, your CV and two letters of recommendation to mrpet_projekt@lrz.tu-muenchen.de and note in the subject line "MR/PET Physicist".

Vorstand:
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