



PhD student Biomedical Imaging or (Bio-) Chemistry (f/m/d)



The Werner Siemens Imaging Center (Department of Preclinical Imaging and Radiopharmacy) is a world-leading imaging center recognized for its scientific excellence and unique state-of-the-art imaging. The development of novel diagnostics and therapeutic approaches for the treatment of tumor diseases is one of the main objectives of the department and its collaborators (iFIT Cluster of Excellence). Together with the University Hospital of Tübingen (UKT) and the Max-Planck Institutes, we will be developing techniques to image the tumor microenvironment, to guide therapy through multimodal imaging, and to perform functional quantitative imaging.

We are seeking a highly motivated

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with practical experience in preclinical imaging, hyperpolarized MR metabolism, and quantitative analysis of imaging data. The position (65 %) is initially limited to 1 year with the plan for further extension.

The main roles of this post are to study the function of the microenvironment in current cancer therapies, identify relevant metabolic biomarkers in cancer (and neurology), develop and validate new PET/MRI sensors and collaborate closely with researchers from other lead centers towards delivering the goals of the partnerships.

The successful candidate will be expected to have at least one of the following skills: in vivo animal imaging, biophysical analysis, wet-lab biochemistry skills. The candidate should integrate well in a multidisciplinary group of people with the aim of translating technologies into the clinical setting. Experience working with cell cultures, small animals and human samples is desirable. Additional skills in Matlab and R(Studio) are welcome but not mandatory for this position. Excellent communication skills in English are required.

Applicants should hold a University degree in Molecular Medicine, Biomedical imaging, (Bio-) Chemistry, Medicinal and Pharmaceutical sciences or related fields. Lab-routine skills are mandatory—ideally, but not necessary, with specific experience in hyperpolarized MR tracers for preclinical imaging. The candidate should have a keen interest in metabolic relevant diseases and to address clinical questions - particularly in cancer, medical diagnostic, non-invasive imaging modalities and cancer therapy.

We offer remuneration in accordance with TV-L (collective wage agreement for the Public Service of the German Federal States) in addition to all the customary benefits granted to employees working in Public Services. Severely handicapped persons with equal qualifications are given preferential consideration. The University of Tübingen is anxious to increase its quota of female scientific staff, and therefore emphatically requests women to apply for this position. The Administration of the University Hospital is responsible for all employment matters. Personnel appointments will be made pursuant to the fundamental stipulations of the legal statutes for universities in Germany.

Interview expenses are not covered.

Interested candidates should apply with a complete CV (including photograph and date of birth), all certificates and grades of University educations and potential jobs/interns as well as the names and contact details of at least one referee (former professor/advisor/mentor).

For questions, please contact Dr. André F. Martins, Tel.: +49 7071 29-87487.

Application deadline: **01.07.2019**.

Please send your application documents exclusively as PDF attachments by e-mail **quoting the reference number 9597**:

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