



# MOLECULAR IMAGING IN IMMUNOLOGY

## PhD Student position

Biology / Biochemistry / Immunology (f/m)



The Department of Preclinical Imaging and Radiopharmacy of the University Hospital Tübingen, an internationally renowned group at the forefront of preclinical imaging research, is currently looking for: **PhD student in Biology / Biochemistry / Immunology.**

**Project description:** Immunotherapies have revolutionized the field of cancer treatment and diversified the panel of therapeutic options. Molecular Imaging with radiolabeled or fluorescent antibodies and small molecules is an emerging tool in medicine for diagnosis, patient stratification and therapy monitoring of targeted drugs. We aim to investigate the different types of immune cells participating in the therapy particularly using PET-MRI and Optical Imaging to monitor immune responses *in vivo*, to detect novel targets and to develop new treatment combinations.

**Requirements:** We are looking for enthusiastic and dedicated candidates, eager to work and evolve in a highly interdisciplinary environment with chemists, biologists, physicists, and physicians. The ideal candidates should hold a diploma or Master degree in Biology, Biochemistry or related fields with a focus on Immunology and/or Oncology, have the desire to excel in imaging sciences and a drive to communicate scientific results in an international environment. Previous experience with molecular and cell biology techniques (e.g. cell culture, flow cytometry, western blot) is essential. Knowledge of tumor immunology and working with small animals, especially *in vivo* models of diseases, are considered beneficial.

**Opportunities:** We offer to work on a high scientific level in a young, experienced and well-funded research team with an excellent interdisciplinary infrastructure providing state-of-the-art life science and clinical environment. We offer the opportunity to publish in leading international journals and present the research to an international scientific community. Furthermore, we are connected to a strong network providing an excellent platform to cooperate with local, national and international research labs.

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) until **31th of July 2018**. The contract will be set up for 1 year with the plan for further extension. Application costs can unfortunately not be covered. Please refer to the official announcement at: <http://www.isct.uni-tuebingen.de/wsic/career/>

To submit your application or for more information, please contact:

Universitätsklinikum Tübingen  
Abteilung für Präklinische Bildgebung und Radiopharmazie  
Herr Dr. Dominik Sonanini  
Röntgenweg 13, 72076 Tübingen (Germany),  
[Dominik.Sonanini@med.uni-tuebingen.de](mailto:Dominik.Sonanini@med.uni-tuebingen.de)



Werner Siemens  
Imaging Center