The Department of Preclinical Imaging and Radiopharmacy (Director Prof. Bernd Pichler) of the University Hospital Tübingen, an internationally renowned group at the forefront of preclinical imaging research, is currently looking for a:

**PhD student in Biology / Biochemistry / Immunology (f/m/d)**

The position (65%) is initially planned for 1 year with the plan for further extension. Many solid tumors are developing from chronic inflammation as the inflammatory infiltrate is clearly driving the progression of nonalcoholic steatohepatitis (NASH) to hepatocellular carcinomas (HCC). On the other hand, systemic immune responses against tumors are essential for successful immunotherapy. To date, the mechanisms and interactions between detrimental pro-tumorigenic and anti-tumorigenic immune responses are largely unknown. In our project we are investigating the inflammatory processes in NASH leading to HCC by noninvasive in vivo imaging and how immunotherapy is influencing this tumor microenvironment. Our aim is to develop imaging tools, mainly focusing on PET/MRI, which are allowing the early diagnosis and treatment stratification of cancer patients.

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.
We offer to work on a high scientific level in an 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 15th of March 2019. Application costs can unfortunately not be covered.

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.

For further information please contact Dr. Johannes Schwenck, Tel.: 07071 29-86870 or 07071 29-86400, E-Mail: johannes.schwenck@med.uni-tuebingen.de

Application deadline: **15.03.2019**.