

Senior Research Assistant (f/m/d) in Cardiovascular Research / Preclinical Imaging / Molecular Biology

The Division of Radiopharmaceutical Chemistry (Head Prof. Melpomeni Fani) of the University Hospital Basel, an internationally renowned group at the forefront of preclinical imaging research, is offering a position for a

Senior Research Assistant (f/m/d) in Cardiovascular Research / Preclinical Imaging / Molecular Biology

The position (60-80%) is initially limited for 1 year, with the plan for further extension. The Division of Radiopharmaceutical Chemistry is a renowned research oriented group focusing on molecular imaging in the areas of oncology (with special focus on neuroendocrine tumors) and inflammatory and infectious diseases. A strength of our group is the long lasting experience in developing disease specific imaging and therapeutic tracers based on biomolecules. Our research experience is covering the entire spectrum of such developments, from the design and synthesis, to radiolabeling, in vitro evaluation, in vivo studies with different animal models and nuclear imaging studies (SPECT/CT, PET/CT) in small-animals up to clinical studies.

The successful candidate should conduct a pre-clinical study with high translational potential, featuring a new developed radiotracer to detect prone-to-rupture vascular plaques. The work focuses, at this stage, on a pre-clinical study featuring a new developed radiotracer to detect prone-to-rupture vascular plaques. It is required that the successful candidate is able to perform vascular surgery on small animals in order to prepare and validate the animal model. Cross-validation, correlation of the imaging signal with immunohistochemical markers on biopsy sections will be also part of the activities. It is also envisioned that the theranostic potential of this new radiotracer, as well as the diagnostic power of other PET tracer candidates will be tested in the upcoming months.

The successful candidate will conduct the required preclinical research with the assistance of experienced professional from a multidisciplinary environment.

We are looking for an enthusiastic and highly motivated person with special interest in translational cardiovascular imaging, who is eager to work in an interdisciplinary environment.

The candidate to be recruited should ideally possess scientific expertise in molecular- and cell biology combined with the ability to perform surgery on small animals. Experience with hands-on preclinical PET imaging is a plus but not a requirement.

We offer the opportunity to extend the initial 1-year fixed term by initiating new studies in the field of cardiovascular imaging to publish in leading international journals and to present the research during recognized international meetings.

For questions, please contact either the Head of the Division of Radiopharmaceutical Chemistry, Prof. Melpomeni Fani (melpomeni.fani@usb.ch, Tel. +41(0)615565891) or the Responsible senior physician for cardiovascular molecular imaging Dr. med. Federico Caobelli (Federico.caobelli@usb.ch, Tel

+41(0)613286329). Please send your application documents exclusively as PDF attachments by E-mail quoting the Subject "Application for a Senior Research Assistant position" to:

Universitätsspital Basel, Abteilung für Radiopharmazeutische Chemie, Petersgraben 4, 4031 Basel (Switzerland). E-Mail: melpomeni.fani@usb.ch or Federico.caobelli@usb.ch.