



Biochemist / Biotechnologist / Protein Chemist, M.Sc. (f/m/d)



The Department of Preclinical Imaging and Radiopharmacy of the University Hospital Tübingen, an internationally renowned group at the forefront of preclinical imaging research, is offering a position for a

Biochemist / Biotechnologist / Protein Chemist, M.Sc. (f/m/d) (100%)

The position is initially limited to 2 years with the plan for further extension.

The Department of Preclinical Imaging and Radiopharmacy is a powerful research-oriented group focusing on imaging sciences in oncology, immunology, infectious diseases, and neurology. We develop and apply disease-specific imaging tracers to monitor therapeutic approaches or pathophysiology in vivo, utilizing novel imaging technologies and state-of-the-art biotechnology methods.

To reinforce our team, we are looking for a candidate with focus to independently develop conjugation protocols for sensitive proteins and subsequently perform appropriate analysis for characterization. The successful candidate has a drive to investigate, optimize and establish reaction conditions and ensure suitable formulation and storage of conjugates and final products.

The candidate will label proteins or protein conjugates with radionuclides such as fluorine-18, copper-64, or zirconium-89 for later use in positron emission tomography (PET) and verify the purity and functionality of the product. For this purpose, the candidate will develop biological assays for binding affinity and protein integrity.

Working in an international and interdisciplinary team, this position requires to plan the necessary syntheses together with colleagues from other departments and to carry them out reliably. The candidate independently evaluates, summarizes and presents the results to the team and collaboration partners.

We require that the candidate has a Master's degree as a biochemist, biotechnologist, protein chemist or in a comparable natural science field of study. The successful candidate transfers a profound knowledge of protein and protein-conjugate handling and combines in-depth knowledge of standard analytical methods (such as high-performance liquid chromatography (HPLC), size exclusion chromatography (HP-SEC), thin layer chromatography (TLC) and immunoreactivity assays) with experiences in protein purification by chromatography and diafiltration. The candidate should have knowledge of organic chemical processes and good command in written and spoken English language.

Experience in handling short-lived radioactive materials would be a plus but is not mandatory as a requirement.

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. Before taking up an activity, the following requirements must be met in accordance with § 23a in conjunction with § 20 Abs. 9 Infektionsschutzgesetz (IfSG) a sufficient vaccination protection against measles or an immunity against measles must be proven (scope of application birth cohorts as of 01.01.1971) as well as a valid vaccination certificate against the coronavirus SARS-CoV-2 according to § 20a Abs. 2 IfSG must be available. Interview expenses are not covered.

For questions, please contact

Dr. Andreas Maurer, Tel.: 07071 29-87490 and Prof. Dr. André Ferreira Martins, Tel.: 07071 29-87487, E-Mail: Office.WSIC@med.uni-tuebingen.de

Application Deadline: **23.09.2022**

Please send your application documents exclusively as PDF attachments by e-mail quoting the reference number 12300 to:

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