Philipps Universität Marburg

The research group of Prof. Dr. Peter Kolb at the **Faculty of Pharmacy**, Institute for Pharmaceutical Chemistry, is currently accepting applications for a

Research Assistant (f/m/d)
(Doctoral Researcher)

The position is offered for a **period of 3 years**, conditional on final approval of the funding and if no former times of qualification must be considered. The starting date is as soon as possible. The position is part-time (**65 %** of regular working hours) with salary and benefits commensurate with a public service position in the state of Hesse, Germany (TV-H **E13**, 65%).

Responsibilities include scientific services in research and teaching, in particular the application of computational chemistry methods, ranging from chemoinformatic approaches via docking to molecular dynamics simulations, to identify, characterize, and optimize ligands for poverty-related disease targets. The successful candidate will become part of the DRUID consortium (http://www.loewe-druid.de), uniting research groups working on a variety of disease-causing microorganisms and parasites. In the context of these efforts, the successful candidates may also broaden their expertise into experimental methods, e.g. biochemical assays or medicinal chemistry.

This position is limited to a time period deemed adequate for the completion of a doctoral degree. As part of the assigned duties, there will be ample opportunity to conduct the independent scientific research necessary for the completion of a doctorate. The limitation complies to § 2, 1 WissZeitVG.

Applicants must have a Master, Diploma or equivalent degree in a field related to chemoinformatics, chemistry, physics, life sciences, or pharmaceutical sciences. Experience in the application of computational chemistry methods, routine using Linux, and experience in ligand design are desired. A high level of motivation and excellent command of English, both spoken and written, is a prerequisite. Disposition towards obtaining further scientific qualification (e.g., a doctorate project in the area of computational ligand design) is expected.

For questions, please contact Prof. Dr. Peter Kolb at peter.kolb@uni-marburg.de. The Kolb lab is a vibrant team of international researchers from diverse backgrounds. We are collaborating closely with local research groups working on the biophysics of ligand binding, GPCR structural biology, computational, and synthetic approaches (e.g., the labs of Profs. Bünemann and Diederich and Dr. Hilger). Moreover, the lab is part of several research networks beyond DRUID and collaborates internationally. State-of-the-art equipment and CPU/GPU power is available within the lab as well as within the University and the Hessian computer network. The lab features synthesis, biophysics and protein crystallization facilities, enabling comprehensive ligand discovery efforts. The PI is committed to excellent supervision.

We actively support the professional development of junior researchers, e.g., by the offers of Marburg Research Academy (MARA), the International Office, the Higher Education Didactics Office, and the Human Resources Development Office.

We support woman and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. The Philipps-University aims to be a family-friendly university and welcomes applicants with children. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGlG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualifications. Application and interview costs cannot be refunded.

Please, send your application (motivation letter, CV, names of two references) mentioning position ID fb16-0056-wmz-2021 until December 17th 2021 as a single PDF file to anja.moser@staff.uni-marburg.de.