At the Faculty of Pharmacy, Department of Pharmaceutical Chemistry, the research group of Dr. Daniel Hilger, is currently accepting applications for

2 Research Assistants (PhD student positions)

The positions are available as soon as possible for a period of 3 years, if no former times of qualification must be considered. The positions are part-time (50% of regular working hours) with salary and benefits commensurate with a public service position in the state Hesse, Germany (TV-H E 13, 50%).

Responsibilities include scientific research and lecturing, in particular the application of a wide range of biochemical and biophysical methods to investigate the molecular mechanism of G protein-coupled receptor (GPCR) activation. Successful candidates will explore the ligand-dependent regulation of receptor conformational dynamics and its impact on the activation of intracellular signaling proteins. In the context of these efforts, the successful candidates will be able to develop new methods for protein labeling for spectroscopic studies and to generate nanobodies for stabilization of functional relevant receptor conformations to allow the structural determination of GPCRs.

The positions are limited to a time period deemed adequate for the completion of a doctoral degree. Within the entrusted tasks the opportunity to conduct independent scientific research to obtain further personal qualification will be provided. The limitation of the contract complies to § 2 Abs. 1 Satz 1 WissZeitVG.

Applicants must have a Master, Diploma or equivalent degree in a field related to biology, life sciences, pharmaceutical sciences or chemistry. Successful candidates are expected to have a strong background and practical experience in methods of protein biochemistry and molecular biology. Experience in protein expression and purification, protein labeling, ligand binding assays, cell culture, spectroscopy (fluorescence, ESR or NMR spectroscopy), structural biology (protein crystallography or Cryo-EM) or cell signaling assays are desired. High 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 signal transduction of GPCRs) is expected.

The lab offers a highly stimulating and interdisciplinary research environment. The lab is collaborating internationally and has access to state-of-the-art equipment and methods at the institute as well as with-in the University.

For questions, please contact Dr. Daniel Hilger at daniel.hilger@pharmazie.uni-marburg.de.

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

We support women and strongly encourage them to apply. In areas where women are under-represented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome - Philipps-University is certified as a family-friendly university. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGIG) 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 can not be refunded.

Please send your application mentioning the registration number fb16-0004-wmz-2020 including a letter of motivation, recent C.V. with list of publications, two potential referees and list of skills and experiences as a single PDF to lydia.hartleben@staff.uni-marburg.de, deadline 06th March 2020.