



Eintrittstermin:
next possible date



Bewerbungsfrist:



Entgeltgruppe:
E 13 TV-H



Befristung:
3 Years



Umfang:

The Philipps-University, founded in 1527, offers multiple award-winning teaching for around 22,000 students and tackles the important issues of our time with excellent research across a broad spectrum of science.

The Department of Chemistry, Chemical Biology, research Group Prof. Dr. Olalla Vázquez, offers a position for a

Research Assistant (PhD student)

The position is subject to the approval of funds at the earliest possible date, limited to 3 years, provided that no qualification periods are to be taken into account, a part-time position financed via the LOEWE focus RobuCop. The position is paid as (65 % E 13 TV-H, being 100% E 13 TV-H Postdoc salary in Germany) with salary and benefits commensurate with a public service position in the state Hessen, Germany (TV-H E 13, 65 %).

Tasks include:

- Development of own research with a high degree of independence
- Design and conduct multistep organic synthesis of dyes (BODIPYs and rhodamines)
- Design and synthesis of tools capable of generating on-demand reactive oxygen species (ROS) for chemical manipulation of chloroplasts
- Photochemical characterisation (quantum yields, ROS quantification, etc)
- Implementation of split-protein approaches for ROS generation
- Biological techniques: cell-based experiments, microscopy, proteomics
- Scientific communication (oral and written) in an international environment
- Supervision of students (teaching service Bachelors and Master students)

The 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 with § 2, 1 WissZeitVG.

Profile:

- University degree (Diplom, Master or comparable) in the fields of chemistry, biotechnology, pharmacy, and biochemistry with a focus on multistep organic synthesis of photosensitive molecules (BODIPYs and rhodamines) and photochemistry in the context of chemical biology.
- Strong theoretical and practical background in organic chemistry (dye chemistry)
- Experience with biological techniques
- Interest in understanding biological processes at the atomic level
- Self-driven & passionate team player

The willingness to pursue your own scientific qualification (e.g. a doctoral project in the field of chemical biology focused on chemical biology tools for ROS generation in chloroplasts) is expected.

We offer:

- Multidisciplinary training in the frame of our LOEWE project which involves research groups in chemistry, biology, pharmacy and Max Planck (MPI-TM)
- Individual and personalized supervision during your PhD degree
- State-of-the-art installations
- International environment
- Collaborative team with exchange of results among all the LOEWE RobuCop groups (conferences, retreats, etc)
- International environment
- State ticket for free use of public transport in Hessen

The Philipps University supports the professional development of young scientists, through the offers of the Marburg Research Academy (MARA), the International Office and the office for university didactics. Our group is associated to Center of Synthetic Microbiology (SYNMIKRO) and the International Max Planck Research School IMPRS-Mic.

Contact for further information:

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We encourage women and therefore expressly encourage them to apply. In areas where women are underrepresented, women will be given preference if they are equally qualified. As a family-friendly university, we support our employees in reconciling family and work. In principle, it is possible to fill the position part-time and to reduce working hours. People with disabilities within the meaning of SGB IX (§ 2, Para. 2, 3) are given preference if they are equally qualified.