



Eintrittstermin:  
as soon as possible



Bewerbungsfrist:  
2025-08-03



Entgeltgruppe:  
E 13 TV-H



Befristung:  
3 years



Umfang:

The Marburg University, founded in 1527, offers a variety of excellent programs of study for around 22,000 students and confronts the important topics of our time through excellent research across a broad spectrum of sciences.

The Department of Chemistry, research group on “chemical biology”, Prof. Dr. O. Vázquez is currently accepting applications for a

## Doctoral Researcher/PhD

The position is offered for a period of 3 years, if no former times of qualification must be considered. The starting date is as soon as possible. The position is 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 %).

### Tasks include:

- scientific services in research and development of own research with a high degree of independence
- design and conduct multistep organic synthesis of photosensitive molecules (photocages, photoswitches) and unnatural amino acids
- photochemical characterisation (quantum yields, life time, etc)
- solid-phase synthesis of peptides
- biological techniques: cell-based experiments
- scientific communication (written and spoken) in an international environment
- supervision of students (teaching service Bachelor 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:

- MSc-degree or equivalent in chemistry, medicinal chemistry, biotechnology or pharmacy with a strong focus on organic synthesis: multistep synthesis (ideally of photosensitive molecules, i. e., photoswitches and photocages) and photochemistry in the context of biological processes
- strong theoretical and practical background in organic chemistry (dye chemistry)
- some experience with biological techniques or willing to learn
- interest in understanding biological processes at the atomic level
- self-driven & passionate team player

Disposition to own scientific qualification (e. g. a doctorate in the area of chemistry) is expected.

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

**We offer:**

- multidisciplinary training from synthesis to cell-based experiments
- individual and personalized supervision during your PhD degree
- state-of-the-art installations
- international environment
- collaborative team with exchange of results (conferences, retreats, etc.) with research groups in chemistry, biology, pharmacy and Max Planck (MPI-TM)
- Ticket for free use of public transport in the state Hesse, Germany

**Contact for further information:**

**Prof. Dr. Olalla Vázquez**



+49 6421-28 22745



[olalla.vazquez@staff.uni-marburg.de](mailto:olalla.vazquez@staff.uni-marburg.de)

We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. As a certified family-friendly university, we support our employees in balancing family and career. 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 apply by 3<sup>rd</sup> August 2025 xx using the application-button below.