



Entry date:  
01.07.2023



Application deadline:  
2023-05-28



Salary:  
E 13 TV-H



Duration:  
3 years



Volume of  
employment:  
**part-time (50 %)**

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.

At the Center for Synthetic Microbiology and the Department of Chemistry, Department of Biochemistry, working group Prof. Dr. Peter Graumann, is currently accepting applications for a third-party funded

## Research Assistant (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 01st July 2023. 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:

- Development of an original research project with high independence
- Investigation of the function of the bacterial MreB cytoskeleton in *Bacillus subtilis*
- Characterisation of the cell wall biogenesis machinery via cutting-edge biochemical methods and investigation of single molecule dynamics of proteins in the cell wall by single molecule tracking fluorescence microscopy
- Transfer of research results to biotechnologically relevant processes
- Multidisciplinary collaboration within an international environment
- International communication in research by publications and participation in conferences
- Aiding in student courses and seminars for students (teaching)

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 to § 2, 1 WissZeitVG.

## Profile:

- Successful degree from a university or similar higher education organization (Diploma, Master oder equal) in the field of biology, biochemistry, chemistry with a focus on biochemistry, biotechnology or pharmacy
- Experience in dealing with microorganisms
- Ability to carry out molecular biological (cloning) and biochemical experiments (protein purification)
- Independent, autonomous thinking
- Interest in cell biological techniques (super resolution fluorescence microscopy, atomic force microscopy)
- Motivated and passionate team player

The motivation to gain your own scientific qualification (e. g. through a doctoral project in the field of biochemistry/microbiology with a focus on cell biology) is expected.

We actively support the professional development of young scientists, e. g. by participating in the graduate program International Max Planck Research School IMPRS-Mic, the Center for Synthetic Microbiology (SYNMIKRO), and through the offers of the Marburg Research Academy (MARA), the International Office and the Offices for University Didactics and Personal Development.

## Contact for more Information

Prof. Dr. Peter Graumann



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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.

Please apply by 28.05.2023 using the button below.



**Gütesiegel**  
Familienfreundliche  
Hochschule  
Land Hessen

