



## **PhD student / Doktorand (f/m/d) (Research group of Prof. Kürşad Turgay)**

Prof. Kürşad Turgay, research group leader at the Max Planck Unit for the Science of Pathogens (MPUSP), is seeking a PhD student preferable with experience molecular biology, biochemistry and microbiology, possibly related to bacterial protein quality control and regulation.

MPUSP is an international research institute of the Max Planck Society located in Berlin and headed by Prof. Emmanuelle Charpentier. The institute was founded in 2018 with the mission to strengthen fundamental research on pathogens causing diseases in humans. MPUSP aims to achieve a better understanding of the complexities of pathogens and their interactions with their natural environment by developing innovative approaches (<https://www.emmanuelle-charpentier-lab.org>). MPUSP offers an interactive and dynamic environment where our team of international and creative scientists are provided ongoing support to take on original research projects and answer free-minded basic biological questions. MPUSP operates in a unique mode of cooperation between the administration, management and research. Our scientists benefit from a state-of-the-art infrastructure, integrative and custom-designed research platforms and a wide range of scientific activities. MPUSP emphasizes personal development: junior and senior scientists at MPUSP are engaged in research, but also take active part in scientific education, mentoring and teaching, and in the management and development of the institute.

Prof. Turgay with his research group recently joined MPUSP. Prof. Turgay's group focuses its research on bacterial stress response and protein homeostasis. Research topics include e.g. stringent and heat shock response, the role and function of bacterial chaperone systems such as AAA+ protease systems and their adaptor proteins in protein quality control and regulatory proteolysis, as well as general cellular mechanisms allowing the adaptation of bacterial cells to different environments and stress conditions.

Prof. Turgay's group applies a wide range of methods and experimental approaches based on biochemistry, genetics, molecular biology or microbiology, and cell biology. Prof. Turgay's group is fully embedded within MPUSP and benefits from access and interactions with various research platforms providing support for state-of-the-art proteomics and genomics experiments as well as the overall infrastructure and environment for biologists of MPUSP.

We are seeking a highly motivated and talented scientist who has prior experience working with bacteria and demonstrated proficiency with some of the mentioned experimental approaches to join the team of Prof. Turgay. The focus of the offered project is to perform research on protein homeostasis and stress response mechanisms in a bacterial model system.

Please contact Prof. Kürşad Turgay for specific questions regarding this position ([turgay@mpiib-berlin.mpg.de](mailto:turgay@mpiib-berlin.mpg.de)).

### **Your qualification should include:**

- A Master's degree (or comparable) in Biochemistry, Cell Biology, Genetics, Microbiology and/or Molecular Biology or related disciplines
- Proficiency of English language (presentation and writing skills)
- Experience working abroad is considered as an advantage
- Friendly disposition, confident and responsible work ethics
- Working independently and as part of an international team
- Self-motivated and enthusiastic to work in a competitive, dynamic, stimulating and interacting international scientific environment focusing on basic biological research

The position is initially for 3 years with the possibility of an extension. The payment level is based on the German state public service salary scale (TVöD-Bund) according to the training, qualifications and professional experience. The benefits correspond to the regulations of the public service. The position is available at the earliest possible

# Max Planck Unit for the Science of Pathogens



date. The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply. Furthermore, the Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply. The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.

Applications will be accepted exclusively via our online application portal. If you are interested, please follow the link <https://recruitingapp-5461.de.umantis.com/Vacancies/294/Application/CheckLogin/2?lang=eng> and upload your full application in English by **October 15<sup>th</sup>, 2019**:

**Max Planck Unit for the Science of Pathogens**  
Department of Human Resources