



Postdoctoral scientist (f/m/d) (Mass Spectrometry-based Proteomics)

The Max Planck Unit for the Science of Pathogens headed by its director Prof. Emmanuelle Charpentier is seeking a Postdoctoral scientist with excellent skills and knowledge in the field of Mass Spectrometry-based Proteomics. The successful candidate will work in the proteomics research platform headed by Dr. Christian Frese.

MPUSP is an international research institute of the Max Planck Society located in Berlin. 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. For more information about the research at MPUSP, please visit: <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.

For the MPUSP proteomic research platform, the institute is seeking a highly motivated and talented scientist to join an international team in an outstanding and competitive scientific environment. The successful candidate will develop and apply Mass-Spectrometry based Proteomics approaches to identify regulatory mechanisms of bacterial pathogenicity, and to investigate the role of post-translational modifications and interactions of proteins with other molecules within this context. This includes the development and implementation of methods utilizing cutting-edge mass spectrometry, chromatography and robotics tools tailored toward the sensitive proteomic analysis of bacteria and their host cells, in close collaboration with other members of the unit. The successful candidate is expected to pursue research at the highest standards, take responsibilities in instrument maintenance, and contribute actively to collaborative and complementary research across the institute.

Your qualification should include:

- PhD in Analytical Chemistry, Biochemistry, Biology or a related field
- Experience in handling, processing and analyzing large-scale datasets
- Several years of hands-on experience in operating LC-MS systems (Q-Exactive, Fusion Lumos) is desired
- Experience working in microbiology or host-pathogen interactions is considered an advantage
- A proven record of successful publications in highly respected international scientific journals
- Excellent level of English language (presentation and writing skills)
- 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 2 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 date. The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. 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. For more information about the position and possible starting date, please contact us at: jobs-charpentier@mpiib-berlin.mpg.de

Max Planck Unit for the Science of Pathogens



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/302/Application/CheckLogin/2?lang=eng> and upload your full application in English by **January 30th, 2020**.

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Department of Human Resources