Max Planck Unit for the Science of Pathogens

MAX-PLANCK-GESELLSCHAFT

Head of CRISPR Research Platform (f/m/d)
(CRISPR Genome Engineering and Applications)

The Max Planck Unit for the Science of Pathogens headed by its director Prof. Emmanuelle Charpentier is seeking a full time Head of CRISPR Research Platform (CRISPR Genome Engineering and Applications) with excellent skills and knowledge in the application of CRISPR systems for gene editing and genome engineering.

The Max Planck Unit for the Science of Pathogens is an international research institute currently being established in Berlin and whose research focuses on basic biological principles in bacterial pathogens (https://www.emmanuelle-charpentier-lab.org). We are particularly interested in genetic and biochemical mechanisms of regulation by RNAs and proteins in bacterial pathogens causing diseases in humans, and in viruses of these pathogens. The overall aims of the Unit's research are to gain a better understanding of the molecular and cellular mechanisms that control and regulate bacterial infectious processes. In this context, we aim to explore CRISPR-based approaches applied to engineer human host models of infection.

Within our research topics (CRISPR Biology, https://www.emmanuelle-charpentier-lab.org/research/cluster-a-crispr-cas-rna-mediated-adaptive-immunitiv/), we are seeking a highly motivated and talented Head of CRISPR Research Platform (CRISPR Genome Engineering and Applications) to join an international and collaborative team in an outstanding and competitive scientific environment. We are seeking a highly motivated and talented scientist with excellent skills and knowledge in the biology and applications of CRISPR genome engineering tools to establish and direct a state-of-the-art CRISPR Genome Engineering Research Platform. The successful candidate will be expected to establish a research platform aiming to develop CRISPR-based screens and genome editing/engineering technologies within the research focus of the Unit (bacterial pathogenesis, infection and immunity). The successful candidate's tasks include general management of the research platform, routine analyses and method development, as well as all data acquisition and interpretation. The Unit also hosts a Bioinformatics Research Platform that will provide support for data analysis. In addition, resources will be available to follow independent research projects. The successful candidate is expected to take responsibilities in teaching duties, oversee the work of younger scientists (PhD, master and undergraduate students), and contribute actively to collaborative and complementary research across the Unit.

Your qualification should include:

- PhD in Biochemistry, Genetics, Immunology, Microbiology and/or Molecular Biology
- A proven track record in the field of genome engineering with CRISPR and possibly infection biology (host-pathogen interactions) is considered an advantage
- A proven record of successful publications in highly respected international scientific journals
- A successful post-doctoral experience
- Excellent level 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 three years with the possibility of long-term extension after evaluation. 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 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.

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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/280/Application/CheckLogin/2?lang=eng and upload your full application in English by **March 31st, 2019**:

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