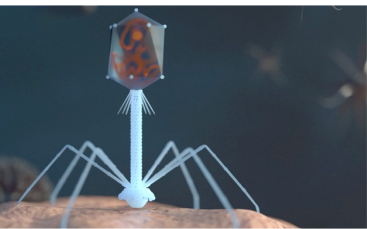




SPP 2330

New Concepts in Prokaryotic
Virus-host Interactions –
From Single Cells to
Microbial Communities



Faculty of Life Science - Department of Biology

Two positions Research Fellow (m/f/x) in cell biology of bacteria and bacteriophages with expected 65% part-time employment - E 13 TV-L HU (third-party funding limited for 36 months, subject to funding approval)

The Humboldt-Universität zu Berlin is one of eleven German universities that have been awarded the 'University of Excellence' status since 2012. Located at the Institute of Biology, our research group investigates, molecular mechanisms in bacterial cell biology.

In the complex interplay between bacteriophages and their bacterial hosts, anti-phage defense mechanisms, such as the recently discovered Zorya system, play a crucial role. This project, funded under the SPP 2330 "New concepts in prokaryotic virus-host interactions," aims to investigate fundamental immune mechanisms of bacteria against bacteriophages through a combination of live-cell microscopy, biochemistry, and bacterial genetics. Further reading: <https://doi.org/10.1101/2023.12.18.572097> and <https://doi.org/10.1126/science.aar4120>

Job description:

- scientific services in research in the DFG project "New concepts in prokaryotic virus-host interactions", in particular in the field of cell biology of bacteria and bacteriophages
- writing of scientific publications
- attending scientific meetings and conferences
- state-of-the-art microbiological laboratory work with focus on advanced microscopy techniques
- opportunity for obtain scientific Qualification (doctorate)

Requirements:

- completed scientific university degree in Biology, Biochemistry, Bioinformatics or related fields
- experience in at least of two of the following fields is required: microbiology, microscopy, biochemistry and bacterial genetics
- knowledge of a scripting language (e.g. Python) will be considered as an advantage
- ability to work independently and as part of an international team
- good command of written and spoken English
- creative thinking and enthusiasm to develop new approaches and methods

Further information about the project:

Web: www.spp2330.de or www.molmicro.hu-berlin.de

Twitter: @Salmo_Lab

Please send your application (including a letter of motivation, CV, relevant certificates and mentioning of 3 references) within 4 weeks (26.09.2024), referencing the **job ID DR/115/24** to Humboldt-Universität zu Berlin, Faculty of Life Sciences, Institute of Biology, Molekulare Mikrobiologie, Prof. Dr. Marc Erhardt (located: Philipp-Str. 13, Haus 22, 10115 Berlin), Unter den Linden 6, 10099 Berlin **or preferably** by e-mail in a single PDF file to jobs.molmicro@hu-berlin.de.

HU is seeking to increase the proportion of women in research and teaching, and specifically encourages qualified female scholars to apply. Disabled applicants with equivalent qualifications will be given preferential consideration. People with an immigration background are specifically encouraged to apply. Since we will not return your documents, please only submit copies in the application.

Data protection Information on the processing of your personal data in the context of the tender and selection procedure can be found on the homepage of Humboldt-Universität zu Berlin: <https://hu.berlin/DSGVO>.

Please visit www.hu-berlin.de/stellenangebote, which gives you access to the legally binding German version.

