

3 years PhD position in Bacterial Signalling Networks

We are looking for a PhD student in bacterial signalling research in the group of Natalia Tschowri at the Institute of Microbiology at the Leibniz University in Hannover, Germany. The opening is for three years but can be extended and is available immediately or on agreement.

With more than 30,000 students, 5,000 members of staff, over 150 institutes and an outstanding infrastructure, Leibniz University Hannover offers an innovative environment for top-level education and research. PhD students benefit from a wide range of advanced courses for education and qualification, networking opportunities and practical career support of the Graduate Academy and the Graduate School GRANAT. Leibniz University Hannover considers itself a family-friendly university and therefore promotes a balance between work and family responsibilities.

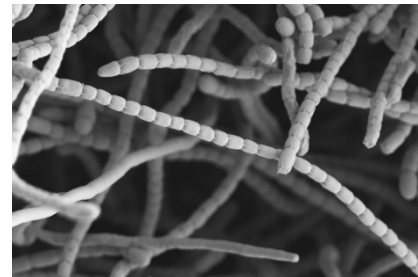


Project

The successful candidate will work within the framework of the ERC-funded project “SecMessFunctions”. The main goal of the project is to identify key components and switches in second-messenger signalling cascades and to understand how such networks control cell differentiation and bacterial adaptation to stress. By using antibiotic-producing *Streptomyces* bacteria as a model, this work may also contribute to optimization of antibiotic production in biotechnology.

Selected recent publications:

1. microLife. 2023 Apr; 4: 1-11
<https://doi.org/10.1093/femsml/uqad020>
2. Nature Commun. 2022 Oct; 13 (1):5834
<https://doi.org/10.1038/s41467-022-33537-w>
3. Proc Natl Acad Sci USA. 2020 Mar; 117 (13):7392-7400
<https://doi.org/10.1073/pnas.1917080117>



Qualifications

Candidates must hold a Master of Science (M.Sc.) or equivalent with a focus on microbiology and have experience in biochemical, molecular and microbiological techniques. Experience with fluorescence microscopy is advantageous. We are looking for highly motivated and team-oriented candidates with a passion for science and excellent written and spoken English communication skills.

Application

Please send your application including a letter of motivation, your CV, copies of relevant certificates and contact information of 2 academic references as a single PDF-file until 30.06.2023 to Prof. Dr. Natalia Tschowri (tschowri@ifmb.uni-hannover.de).

Information

For further information please contact Prof. Dr. Natalia Tschowri (tschowri@ifmb.uni-hannover.de).

<https://www.ifmb.uni-hannover.de/en/research/main-research-areas/cellular-microbiology>

The university aims to promote equality between women and men. For this purpose, the university strives to reduce under-representation in areas where a certain gender is under-represented. Therefore, qualified women are encouraged to apply. Moreover, we welcome applications from qualified men. Preference will be given to equally-qualified applicants with disabilities.