



Postdoctoral researcher in plant-microbe interactions (f/m/x)

Institute for Plant Sciences / CEPLAS

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

The Terrestrial Microbiology lab studies plant – microbe interactions with a focus on biotrophic fungal pathogens, in particular smut fungi. We invite self-motivated applicants in the field of molecular plant-microbe interactions. The successful candidate will investigate mechanisms of microbial competition in fungus-plant interactions. In particular, the role of fungal effector proteins in the biotic interaction of plant-colonizing fungi will be studied.

YOUR TASKS

- » Conduct and manage a research project in the Terrestrial Microbiology Lab
- » Investigate the role of effector proteins for microbial competition of plant-colonizing smut fungi
- » Supervise undergraduate student projects and contribute to BSc and MSc teaching activities of the lab
- » Develop your own research focus
- » Publication of research data and acquisition of third-party funding

YOUR PROFILE

- » PhD in Biology or in a related discipline with a strong, proven background in molecular plant-microbe interactions
- » Evidence of expertise in microbial genetics required genetics is mandatory
- » Hands-on experience in computational data analysis (comparative genomics, transcriptomics and/or amplicon sequencing) is appreciated
- » Excellent English skills, both written and spoken

WE OFFER

- » State-of-the-art laboratories and an excellent research infrastructure
- » A diverse working environment with equal opportunities
- » Support in balancing work and family life
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Flexible working time models
- » Opportunity to work remotely

The University of Cologne promotes equal opportunities and diversity. Women will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from all suitable candidates regardless of their gender, nationality, ethnic and social origin, religion, disability, age, sexual orientation and identity.

The position is available from 1 December 2024 on a full-time basis (39,83 hours per week). The position is to be filled for a fixed term of up to 3 years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications without a photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2409-05. The application deadline is 30 September 2024. For further inquiries, please contact Professor Dr. Gunther Doehlemann (g.doehlemann@uni-koeln.de).