



Faculty of Mathematics and Natural Sciences

## Post-doctoral researcher in plant-microbe interactions (f/m/d)

Institute of Plant Sciences / Terrestrial Microbiology Lab

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 interactions 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.
- » Demonstrated expertise in microbial 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 and fair working environment
- » support in reconciling work and family life
- » flexible working time models
- » extensive advanced training opportunities
- » occupational health management offers
- » local transport ticket at a discount for university-employees

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

The position is available from 01.05.2023 on a full-time basis (39,83 hours per week). It is limited for 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 sought-after qualification without photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2301-12. The application deadline is 17.02.2023. If you have any questions, please contact Prof. Gunther Doehlemann ([g.doehlemann@uni-koeln.de](mailto:g.doehlemann@uni-koeln.de)).