

Postdoc in fungal genetics / comparative genomics

Botanical Institute / CEPLAS

Foto: Thomas Josek

With approximately 50,000 students, the University of Cologne is one of the largest universities in Germany and ranks among the Excellence Universities. It employs over 600 professors and 7,000 academic and non-academic staff.

The Terrestrial Microbiology lab at the University of Cologne invites applications for a Postdoc in fungal genetics / comparative genomics. The offered position is part of the ERC-funded project conVIRgens, which utilizes the model organism *Ustilago maydis* to approach a pioneering enterprise: the synthetic reconstruction of eukaryotic plant pathogens

YOUR TASKS

- » Guided by transcriptomics and comparative genomics, fungal virulence will be deconstructed by successive deletion of the *U. maydis* effector repertoire
- » Synthetic effector modules will be defined to reconstruct specific features of fungal virulence
- » Fungal mutant strains will be generated and functionally characterized
- » Within conVIRgens, you will design and carry-out experiments & guide PhD- and undergraduate students

YOUR PROFILE

- » Fascination with fungal genetics, comparative genomics and plant pathology
- » A PhD in Biology or comparable, excellent skills in microbial genetics and a demonstrated expertise in genome/transcriptome analyses are mandatory
- » Your scientific background and expertise should be documented through peer-reviewed publications
- » Hands-on experience in plant-microbe interactions, evolutionary genetics and computational data analysis is appreciated
- » Excellent English skills, both written and spoken

WE OFFER YOU

- » 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 UoC employees

The position is available from 01.06.2018 on a full-time basis. It is limited to 30.05.2021. 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.

The University of Cologne promotes equal opportunities and diversity in its employment relations. Women are expressly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We expressly welcome applications from individuals with severe disabilities or people of equivalent status. Severely disabled applicants of equal merit and qualifications will be given priority.

Please send your convincing application with proof of the sought qualifications by email (in one pdf-file) with the reference number Wiss1801-17 to Prof. Gunther Döhlemann (g.doehlemann@uni-koeln.de). The application deadline is the 23.02.2018.