



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

PhD position on Plant Cell Death and Immunity (f/m/x)

Institute for Plant Sciences / CEPLAS



Foto: Fabian Stürzt

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 offered position is part of the Collaborative Research Centre 1403 (CRC1403) on cell death in immunity, inflammation and disease. This multidisciplinary consortium aims to understand mechanisms and regulation of regulated cell death in immunity, inflammation and host-microbe interactions. The successful applicant will join the project 'Cell death signalling peptides in maize immunity – Molecular mechanisms of signal generation, transduction and perception' (<https://sfb1403.uni-koeln.de/projects/b02-doehle-mann-misas-villamil>) in a highly collaborative environment with colleagues working in both plant sciences and human diseases, focusing on cell death signalling in maize.

YOUR TASKS

- » Identify cell death-related peptide signals in maize plants
- » Study the role of phyto cytokines as danger and pro-survival signals
- » Investigate the role of plant proteases involved in regulated cell death
- » Collaborate with project partners working on cell death regulation in other plant systems and animal / human diseases

YOUR PROFILE

- » MSc in Biology or a related field and documented skills in molecular plant biology required
- » Experience in plant cell biology, protein biochemistry and transcriptome/proteome profiling is desirable
- » Excellent English skills, both written and spoken
- » Fascination for molecular plant-microbe interaction

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 part-time basis (25,89 hours per week). The position is to be filled for a fixed term until 31 December 2027. 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 Wiss2409-02. The application deadline is 30 September 2024. For further inquiries, please contact Professor Dr Gunter Doehlemann (g.doehlemann@uni-koeln.de).



HR EXCELLENCE IN RESEARCH