

Faculty of Mathematics and Natural Sciences

## Postdoctoral Researcher - Computational Biology (f/m/d)

Institute for Plant Sciences/CEPLAS

Foto: Thomas Josek

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

The newly established "Metabolic Reconstruction and Flux Modeling" group at the Institute for Plant Sciences and the Cluster of Excellence on Plant Sciences (CEPLAS) aims to gain a better understanding of the behavior of plant metabolic systems and their interactions. The group uses computational approaches that are centered around the analysis of large-scale metabolic networks and works closely with experimental labs.

### YOUR TASKS

- » You will be responsible for developing computational methods and scientific research to study plant metabolic systems interactions.
- » You will communicate closely with colleagues and collaboration partners.
- » You will present your results at conferences and in scientific articles.
- » You will be involved in the supervision, training, and teaching of students.
- » You will be engaged in writing independent research proposals

### YOUR PROFILE

- » PhD in Computational Biology, Bioinformatics, Physics or a related discipline
- » experience in modeling metabolic networks or other physiological and physical processes in plant systems
- » excellent programming skills
- » knowledge in plant physiology
- » high degree of self-initiative and individual responsibility
- » excellent oral and written communication skills in English

### WE OFFER YOU

- » participation in a stimulating, dynamic, international, enthusiastic and collegial team
- » 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
- » opportunity for remote work

The position is available immediately, on a full time basis (39,83 h.) basis. The position is to be filled for a fixed term up to three years. If the necessary prerequisites required by tariff regulations as well as the sought after personal qualifications are met, the salary will correspond to the pay grade 13 as specified in the States' Tariff Agreement (TVL).

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.

Please send your application with proof of the sought-after qualifications in one pdf-file online with the reference number Wiss2209-02 to: <https://jobportal.uni-koeln.de>.

The application deadline is 04.11.2022.

If you have any questions, please contact

Prof. Dr. Nadine Töpfer

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