

Postdoc Position in the BMBF project INPLAMINT (f/m/d)

Institute of Zoology | Terrestrial Ecology Group

Foto: Thomas Josef

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 INPLAMINT project aims to elucidate the key processes involved in nutrient turnover and fluxes in the plant-soil-microorganism system in order to optimise agricultural biomass production. Novel management strategies, including the application of high-C amendments, will be tested under real field conditions. We will assess the effectiveness of the new management measures in respect to soil microbial stoichiometry and C-use efficiency under different soil and climatic conditions, in particular early summer soil drought. https://www.fz-juelich.de/inplamint/EN/Home/home_node.html

YOUR TASKS

- » Analysis of microbial stoichiometric relationships in agricultural long-term experiments
- » Determination of microbial nutrient limitations and stoichiometric thresholds
- » Analysis of changes in nutrient pools and fluxes in soils with different inputs of organic matter
- » Writing reports and publications

YOUR PROFILE

- » PhD in Soil Biology, Soil Sciences, Plant Sciences or a related field
- » Affinity for plant-soil interactions and nutrient cycles
- » Knowledge of nutrient stoichiometry and practical experience in chloroform fumigation extraction of microbial biomass, and soil enzyme analyses
- » Very good statistical skills
- » Fluent in spoken and written English
- » Teamwork

WE OFFER YOU

- » Participation in an interdisciplinary project at various universities
- » 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 postdoc position is available for 36 month on a full-time basis. Pending the approval of the project funds, the position is to be filled as soon as possible. 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 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 apply online at: <https://jobportal.uni-koeln.de> with proof of the sought qualifications. The reference number is Wiss2105-08. The application deadline is June 15th, 2021.