



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

PhD student (f/m/x)

Institute of Zoology | Aquatic Chemical Ecology



Photo: Thomas Jösel

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 Aquatic Chemical Ecology group in the Institute of Zoology at the University of Cologne is one of the leading groups in its field and offers excellent research facilities and an open collaborative atmosphere in an interdisciplinary team (<https://zoologie.uni-koeln.de/index.php?id=15920>). We seek a PhD student (f/m/x) working on ‚Daphnia – Cyanobacteria – Interactions‘.

YOUR TASKS

- » Factorial indoor experiments on the interaction of Daphnia and cyanobacteria
- » Analysis of cyanobacterial metabolites using HPLC and HPLC–coupled to mass–spectrometry
- » Analysis of lipids using gas chromatography
- » Supervision of Bachelor and Master students in the form of practical courses and in the lab (for 2 semester hours)

YOUR PROFILE

- » Master degree (or equivalent) in Biology, ideally focused on (experimental) freshwater ecology and/or Daphnia
- » Strong interest in understanding the interaction of Daphnia and cyanobacteria and high motivation to investigate the biochemical background of these interactions
- » Motivation to learn about HPLC, LC–MS and gas chromatography
- » Confident knowledge of English language, both written and spoken, and basic knowledge of German language or willingness to adopt the latter
- » Open-minded and willing to work in a team together with other PhD students (f/m/x)

WE OFFER

- » A dynamic, highly interactive group with excellent research facilities
- » 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

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 01.02.2025 on a part-time basis (25,89 hours per week). The position is to be filled for a fixed term for 3 years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group I3 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications and a letter of motivation without a photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2411-14. The application deadline is 15.12.2024. For further inquiries, please contact Professor Dr Eric von Elert (evelert@uni-koeln.de) and take a look at our [FAQs](#).



HR EXCELLENCE IN RESEARCH