



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

Doctoral position (f/m/x)

Cabreiro Lab | CECAD



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 Cabreiro Lab (www.cabreiolab.org) aims at understanding how microbes alter specific metabolic and signalling pathways in host cells to maintain systemic homeostasis and suppress aging. Our research interests span several fields including organismal and cell biology, metabolism microbiology, pharmacology and systems biology. We seek a highly motivated PhD student (f/m/x), who will investigate microbiome-related effects on host immunity, metabolism, and ageing.

YOUR TASKS

- » Use the power of the mouse model (including germ-free) to causally link the role of microbes to host physiology
- » Use molecular biology, biochemistry and imaging techniques
- » Perform metabolic, proteomic, and transcriptomic studies of host and/or microbiome samples
- » Metabolic phenotyping of mouse models with a special focus on immunity and metabolism
- » Accurately record and analyse and present experimental data
- » Carry out your own research project under the direct supervision of the PI

YOUR PROFILE

- » A completed Master's degree in biological sciences is mandatory
- » Proficiency in written and spoken English is mandatory (minimum level B2)
- » Evidence of great communication and teamwork skills, curiosity-driven science and excellent problem-solving skills
- » Experience in handling animal tissue is desirable
- » Experience in microbiology or systems/computational biology is desirable
- » A background in physiology, metabolism or aging is a plus

WE OFFER

- » The opportunity to be integrated into a top research-group in a dynamic and vibrant scientific community
- » A diverse working environment with equal opportunities
- » Support in balancing work and family life
- » Flexible working time models
- » Extensive advanced training opportunities
- » Occupational health management offers
- » 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 01.05.2025 on a part-time basis (25,89 hours per week). The position is to be filled for a fixed term of up to three years. If the applicant meets the relevant wage requirements and personal qualifications, the salary will be 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 Wiss2501-20. The application deadline is 1 March 2025.

For further inquiries, please contact Professor Cabreiro (f.cabreiro@uni-koeln.de) and take a look at our [FAQs](#).

