



UNIVERSITY  
OF COLOGNE

Faculty of Mathematics and Natural Sciences

## PhD student (f/m/x) in Structural Biology

### Institute of Biochemistry



Foto: 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 Institute of Biochemistry at the University of Cologne is offering a PhD position (f/m/x) within the Baumann research group. This opportunity is available immediately for candidates interested in the study of extracellular matrix components and its biogenesis and/or proteolytic enzymes and their inhibitors.

#### YOUR TASKS

- » You will collaborate with other scientists within and outside our group on a project studying components of the extracellular matrix and/or proteolytic enzymes.
- » You will conduct experiments, including the design, production and characterization of recombinant proteins, protein interaction studies and structural characterisations.
- » You will operate beamlines at synchrotrons and/or electron microscopes to elucidate structural information about your protein(s) of interest.
- » You will analyse, interpret and predict structural data using computational methods.
- » You will develop and validate scientific hypotheses.
- » You will communicate results in scientific publications and presentations and prepare a PhD thesis with the results of your project.

#### YOUR PROFILE

- » MSc in biochemistry or a related field
- » Experience in working with proteins
- » Interest in structural biology
- » Interest in working with advanced computational analysis software
- » Ability to work in a team and independently
- » Good communication skills in written and spoken English

#### WE OFFER

- » 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 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.

The position is available immediately on a part-time basis (25,89 hours per week). The contract is initially to be filled for a term of 2 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 Wiss2404-13. The application deadline is 16.05.2024.

For further inquiries, please contact Professor Dr Ulrich Baumann ([ulrich.baumann@uni-koeln.de](mailto:ulrich.baumann@uni-koeln.de)).



HR EXCELLENCE IN RESEARCH