



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

2 Research fellows (f/m/x)

Institute of Organic Chemistry



Photo: Thomas Jusek

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 Dumele research group at the Department of Chemistry and Biochemistry of the University of Cologne conducts research at the interface of synthetic organic chemistry and functional materials.

The focus lies on the targeted synthesis and structuring of π -conjugated, polyaromatic molecules into covalent organic frameworks, supramolecular architectures, and switchable spin and photoactive materials. The aim is to develop tailor-made molecular systems for applications in energy conversion, optoelectronics, and molecular functionality.

YOUR TASKS

- » Conduct independent research in the field of synthetic organic chemistry of functional materials, in particular the synthesis of polyaromatic molecules and their application in COFs, supramolecular systems, photoswitches, or optoelectronic materials, using modern synthesis and characterization methods
- » Participate in teaching and supervise students in practical laboratory training
- » Engage in interdisciplinary collaboration in an international research environment

YOUR PROFILE

- » Completed university degree in chemistry or a related discipline, with experience in synthetic organic chemistry and relevant analytical methods
- » High level of motivation
- » Willingness to learn new methods and enthusiasm for working in an international and interdisciplinary research team

WE OFFER

- » Opportunity to pursue a PhD
- » A stimulating scientific environment
- » 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 positions are available from 1 June 2026 and will be filled on a part-time basis (25,89 hours per week). They are limited to a fixed term of three years. If the applicant meets the relevant wage requirements and has the appropriate 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 (letter of motivation, CV, list of publications, copies of certificates) without a photo under:

<https://jobportal.uni-koeln.de>

The reference number is Wiss2602-11. The application deadline is 31 March 2026.

For further inquiries, please contact Professor Dr Oliver Dumele (applications-dumelelab@uni-koeln.de) and take a look at our [FAQs](#).



HR EXCELLENCE IN RESEARCH