



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

Postdoctoral Position (f/m/x)

Department of Mathematics and Computer Science | Division of Mathematics



Photo: Simon Wegener

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.

A postdoctoral position (f/m/x) in the field of mathematical optimization is available in the research group led by Prof Dr Frank Vallentin.

YOUR TASKS

- » Teaching courses (e.g., Introduction to the Mathematics of Operations Research)
- » Supervision of bachelor's and master's theses
- » Participation in the joint research activities of the group, which conducts research at the intersections of mathematical optimization, discrete mathematics, geometry, algebra, and computer science

YOUR PROFILE

- » An outstanding PhD in mathematics with a focus on optimization (in exceptional cases, the degree may be submitted later)
- » Clear connections to discrete mathematics, geometry, or harmonic analysis, demonstrated by excellent publications.

WE OFFER

- » Intensive academic support
- » 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 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 01.03.2026 on a full-time basis (39,83 hours per week). It is limited to 3 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 Wiss2511-09. The application deadline is 15.12.2025.

For further inquiries, please contact Professor Dr Frank Vallentin (frank.vallentin@uni-koeln.de).



HR EXCELLENCE IN RESEARCH