



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

Research fellow (f/m/x) – Area of probability theory

Department of Mathematics and Computer Science | Division Mathematics

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.

Probability theory is a focus area in the Department of Mathematics and Computer Science. Our research in the areas of random graphs, stochastic processes and statistical mechanics is based on international collaboration and we also cooperate with researchers in theoretical physics and computer science.

YOUR TASKS

- » Teaching in stochastics
- » Research in the field of random graphs with the possibility of a doctorate

YOUR PROFILE

- » You have a Bachelor's degree in mathematics or a similar degree programme and expect to have a Master's degree by the time you start the position
- » You have specialized in probability theory and have in-depth knowledge of random graphs
- » You enjoy teaching at university level and are prepared to learn the language sufficiently to teach classes in German

WE OFFER

- » Opportunity to work towards a doctoral degree in applied mathematics
- » 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 01.09.2025 on a part-time basis (26,56 hours per week). The position is to be filled for a fixed term until 31.08.2027 with the possibility of extension. 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 Wiss2504-05. The application deadline is 08.05.2025.

For further inquiries, please contact Professor Dr Peter Mörters (moerters@math.uni-koeln.de) and take a look at our [FAQs](#).



HR EXCELLENCE IN RESEARCH