



Research fellow in algorithms and data structures (f/m/x)

Department of Mathematics and Computer Science

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 research fellow position is available in Professor Dr Christian Sohler's working group for candidates working on areas of algorithms and data structures. The successful applicant will work towards a doctorate as part of the position.

YOUR TASKS

- » organize practical training for courses, teaching support, conducting courses (totaling 4 SWS)
- » contribute to the general research conducted in the working group
- » present and publish research results at conferences and in journals
- » provide assistance with scientific self-administration

YOUR PROFILE

- » Degree in computer science, mathematics, or a closely related subject with excellent grades
- » extensive knowledge in the field of development and theoretical analysis of algorithms and data structures, as demonstrated by corresponding grades or scientific publications
- » very good oral and written communication skills in English
- » desirable: very good German language skills
- » desirable: proficiency in C/C++ or Python

WE OFFER

- » doctoral studies under the supervision of Professor Dr Sohler
- » 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 1 April 2026 on a full-time basis (39,83 hours per week). The position is to be filled for a fixed term until 31 March 2028. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please submit your application (without a photo), including proof of the required qualifications, online under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2512-17. The application deadline is 21 January 2026.

For further inquiries, please contact Professor Dr Christian Sohler (sohler@cs.uni-koeln.de) and take a look at our [FAQs](#).