



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

Postdoc (f/m/x) condensed matter theory

Institute for Theoretical Physics | Group Rosch

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 for Theoretical Physics hosts a vibrant and active community of researchers working at the intersection of modern condensed matter theory and quantum information theory.

The advertised postdoctoral position (f/m/x) will be affiliated with Achim Rosch's research group but is also expected to involve collaboration with other groups in theoretical or experimental physics, typically within the framework of one of our major collaborative projects (ML4Q, CRC/TR 183, CRC 1238).

YOUR TASKS

- » The successful candidate will work in the field of condensed matter theory. Possible specific areas include driven systems far from thermal equilibrium, topological matter, strongly interacting and frustrated systems, emergent gauge theories or work at the interface of solid state physics and quantum information theory.

YOUR PROFILE

- » Applicants should hold a PhD degree in physics, have a strong track record of high-quality publications and substantial research experience in one or several of the research topics described above. We value creativity and a broad range of analytical and numerical skills.

WE OFFER

- » An exciting research project in a supportive, collaborative 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 position is available immediately on a full-time basis (39,83 hours per week). The contract is initially for a duration of two 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 Wiss2504-16. The application deadline is 22.05.2025.

For further inquiries, please contact Professor Dr Achim Rosch (rosch@thp.uni-koeln.de) and take a look at our [FAQs](#).



HR EXCELLENCE IN RESEARCH