



Postdoc position in optical condensed matter science (f/m/x)

Raman spectroscopy on quantum magnets



Foto: Simon Wegene

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 optical condensed matter physics group at the University of Cologne focuses on non-equilibrium dynamics in quantum materials, and actively collaborates with other experimental and theoretical groups within the CRC 1238 "Control and Dynamics of Quantum Materials".

YOUR TASKS

- » Conduct research focused on many-body physics in quantum materials using magnetic/electronic Raman spectroscopy as a main tool
- » Present and disseminate research results at scientific conferences and in publications
- » Supervise (under)graduate and PhD students and actively participate in the teaching efforts of the institute

YOUR PROFILE

- » PhD in physics
- » Several years of post-doc research experience
- » Experience in Raman scattering in quantum materials
- » Excellent academic track record
- » Excellent command of English
- » Teaching experience
- » High motivation, commitment, good communication skills and team spirit

WE OFFER

- » Exciting research at the forefront of research on quantum matter
- » Work in an international collaborative team
- » Excellent research infrastructure
- » 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 from 1 June 2026 on a full-time basis (39,83 hours per week). The position is to be filled for a fixed term until 31 May 2029. 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 apply online with proof of the required qualifications without a photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2604-01. The application deadline is 30 April 2026.

For further inquiries, please contact Claudia Hazel (hazel@ph2.uni-koeln.de) and take a look at our [FAQs](#).