



UNIVERSITY  
OF COLOGNE

Faculty of Mathematics and Natural Sciences

## Doctoral student in Organic Electronics (OE) (f/m/x)

Institute for Light and Matter | Professor Meerholz group



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.

Join our team of cutting-edge researchers in the field of organic electronics. We are seeking a highly motivated and skilled doctoral candidate to work on the fabrication and characterization of OE devices. We develop materials for absorption and emission of circularly polarized light aiming at chiral organic light-emitting diodes (OLED) and organic photodetectors (OPD). The topic relates to our graduate school's work on template-designed OEs (<https://tide.uni-koeln.de/home>). Depending on the candidate profile and interest the topic can lead more toward OLED or OPD.

### YOUR TASKS

- » Get to know the topic and competitors, and keep track of the latest industry trends
- » Design and execute experiments for the fabrication of OE devices
- » Analyze and interpret data using advanced programming and simulation tools
- » Maintain experimental equipment for OE device fabrication and characterization
- » Collaborate with our interdisciplinary team and contribute to high-impact publications
- » Present findings at international conferences and workshops
- » Contribute to reports for third-party funding agencies
- » Teach in undergraduate lab courses
- » Supervise of interns

### YOUR PROFILE

- » MSc in physics, chemistry, or related scientific discipline
- » Experience in the field of OE or semiconductors are an asset
- » Knowledge of optical spectroscopy techniques, electrical characterization methods and thin film fabrication processes is advantageous
- » Proficiency in programming for data analysis and experimental control is of value

### WE OFFER

- » Access to state-of-the-art facilities and equipment
- » 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 1 June 2026 on a part-time basis (19,92 hours per week). The position is to be filled for a fixed term of two years. 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 photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2603-14. The application deadline is 30 April 2026.

For further inquiries, please contact Professor Dr Klaus Meerholz ([klaus.meerholz@uni-koeln.de](mailto:klaus.meerholz@uni-koeln.de)) and take a look at our [FAQs](#).



HR EXCELLENCE IN RESEARCH