Faculty of Mathematics and Natural Sciences

Senior researcher (f/m/d)

Optical Condensed Matter Science Group / II. Physical Institute

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

The optical condensed matter physics group at the University of Cologne (http://loosdrecht.ph2.uni-koeln.de/) focuses on magnetism and 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" and the TIDE graduate school.

YOUR TASKS

» The successful candidate will develop his own research program with a focus on exciton physics, charge separation and transport, and energy transport in organic photovoltaic materials. He/she will collaborate in the TIDE graduate school, and be involved in the further development, operation, and maintenance of ultrafast laser based experiments in the ultra-fast optical spectroscopy group of Prof. van Loosdrecht at the University of Cologne.

YOUR PROFILE

You are an independent researcher and a strong team player with

» A PhD degree in physics or physical chemistry.
» Professional experience with ultrafast spectroscopy and lasers.
» A strong interest in condensed matter and pi-conjugated systems.
» Excellent written and oral communicational skills.

WE OFFER YOU

» excellent research infrastructure, including time resolved
» MOKE, Raman, THz, and transient grating spectroscopy
» a diverse and fair working environment
» support in reconciling work and family life
» flexible working time models
» extensive advanced training opportunities
» occupational health management offers
» local transport ticket at a discount for UoC employees

The position is available at the earliest possible time on a full-time basis (39,83 hours per week). It is initially limited to a term of 3 years with the possibility of continuation. If the necessary prerequisites required by tariff regulations as well as the sought after personal qualifications are met, the salary will correspond to the pay grade 13 as specified in the States'Tariff Agreement (TVL).

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please apply online at: https://jobportal.uni-koeln.de with proof of the sought qualifications.
The reference number is Wiss2205-13. The application deadline is 19.07.2022.
If you have any questions, please contact Dr. Thomas Koethe (koethe@ph2.uni-koeln.de).

University of Cologne