



Postdoc Position / Perovskite Photonics / Integrated lasers

AMO GmbH is an innovative research service provider for industry, SMEs and universities. In the AMICA division, we operate a silicon pilot line and conduct application-oriented research focusing on new materials integration like graphene, 2D materials, and perovskites.

We invite you to join AMO as part of our Nanophotonics Group. We are an international team of passionate and enthusiastic physicists and engineers from various disciplines such as microelectronics, lasers and photonics, electrical engineering, and nanotechnology. We are combining ideas from various disciplines to develop a fundamentally new concept of integrated lasers based on our silicon nitride waveguide platform. Quantum photonics and nonlinear optics are included in our research portfolio.

We are expanding our team and intend to hire

A postdoctoral researcher on Perovskite Photonics / Integrated lasers

Your profile:

- Ph.D. in physics, electrical engineering, material science or chemistry
- Experience in synthesis of halide perovskites
- Hands on experience in fabrication and characterization of perovskite devices, preferably LEDs
- Proven academic record
- Ability to work independently
- Very good English language skills, German language skills or willingness to learn German is a plus

Your tasks:

- Independently conducting research on integrated perovskite lasers and LEDs, especially considering:
 - Fabrication of perovskite microdevices
 - Integration into photonic circuits (PICs)
- Supervision of Ph.D. and Master students

We offer:

- Initial one-year full time (40h/week) contract with a possibility of extension
- Flexible working hours

Join us today! Please send your CV and cover letter to jobs@amo.de; Dr. Piotr Cegielski



AMO - Partner of Innovators