



## Postdoctoral Researcher / Group Leader (m/f/d) Integrated Photonics for Quantum Computing

AMO GmbH is a research institute in the field of nanotechnology.

Our mission: we carry out scientific research in the fields of microelectronics, photonics, sensor technology, diagnostics, energy and environment to provide technological impulses for economic development. We are partners for regional and global innovators and seek sustainable solutions for current global challenges.

We are pathfinders for the technology of tomorrow. Join us in bridging the gap between scientific discoveries and technological solutions!

### YOUR TASKS :

- Establishing and further developing the research group
- Independently conducting research on Integrated Photonics for Quantum Computing (process development, device design, characterization, high-level publications)
- Leading a team of PhD candidates and Master students
- Coordinating and reporting work within different projects, towards funding agencies, project partners, the scientific community and the general public
- Foster collaborations with RWTH Aachen University

### YOUR PROFILE :

- PhD in physics, electrical engineering or nanotechnology or comparable
- Practical experience in fabricating photonic devices and circuits in a clean room
- Experience in simulating optical / optoelectronic devices is a plus
- Strategic and conceptual thinking. First leadership skills are appreciated
- Strong project management and communication skills
- Experience in grant proposal writing
- Fluent in English, German is a plus but not essential

### OUR OFFER :

- Purpose: be part of our international, passionate, enthusiastic team of physicists and engineers combining ideas from various disciplines to research the key technology for scaling the number of Qbits in ion trap-based quantum computers
- Environment: excellent infrastructure (400 m<sup>2</sup> clean room equipped with state-of-the-art fabrication and characterization technologies) and modern workplaces
- More: family friendly flexible working hours, including mobile working opportunity plus multiple benefits

**Interested? Then we should get to know each other! Please send your application including a letter of motivation, a resume and the current relevant references to [jobs@amo.de](mailto:jobs@amo.de)**

**Contact: Prof. Dr.-Ing. Max Lemme, Professor at RWTH Aachen University,  
Chair of Electronic Devices and CEO of AMO GmbH**



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**AMO - Partner of Innovators**