



KEEQUANT

Researcher/Developer in Photonic Integration and Optics (m/w/d)

Who we are

KEEQuant GmbH is a high-tech start-up in the field of **Quantum Key Distribution (QKD)**. We are working on the next generation of highly secure communication and are the European leader in the emerging field of quantum communication. Our team currently consists of around 20 highly skilled people developing **hardware, software and integrated photonics**. Do you enjoy solving difficult problems and working with your peers?

Do you not like bureaucracy and rigid structures? Would you like to be part of an ambitious team and experience how a successful start-up builds a career? Then you've come to the right place! In our modern office, centrally located with a view over the city centre of Fürth, you will find a great team, lots of knowledge and equipment that will make techies' hearts beat faster.

Job Description

We are looking for a **Researcher/Developer in photonic integration and optics** who has a sound knowledge of scientific work in optics as well as some hands-on experience in the optical laboratory. As part of our team, you will characterise photonic integrated circuits, learn how to build, control and operate them, and make a significant contribution to the company's vision: The scalability of our quantum encryption to secure Europe's infrastructure. You will also automate measurement systems, collect and analyse data and be closely involved in development decisions.

Depending on your interests, you may also be involved in electronics development, such as PCB design. Further development and specialisation in photonic integration (e.g. layout, design, simulation) is also possible. You will be introduced to the subject areas, gain a lot of knowledge at the intersection of quantum communications and coherent telecommunications, and be given excellent mentoring. Personal development is very important to us and we look forward to exploring and developing future technologies with you!

Educational background

Your education is important - a Master's degree or higher in physics, communications engineering, electrical engineering or related disciplines is ideal - but it is your skills, motivation and willingness to learn that count. Convince us that you can deal with scientific issues related to coherent optics. We expect you to be a logical thinker and a meticulous worker. Previous knowledge of photonic integration or quantum communication is not required.

Summary

- Degree in physics, communications engineering, electrical engineering or similar
- Scientific work in an optical laboratory
- Data analysis
- Photonic integration research and development
- Automation

Languages

German (at least B2) & English

What we offer

- A personally and professionally strong team in which you can act independently
- A permanent position
- Flexible, regular working hours (full-time) and six weeks' holiday
- A technically well-equipped workplace on the top floor of the award-winning GS28 office building in the heart of Fürth
- Walking distance to the main railway station and an underground station right on our doorstep

Place of work

GS28, 6. Stock, Gebhardtstraße 28, 90762 Fürth

Interested?

quantum@keequant.com

We secure European infrastructure.



KEEQuant GmbH

GS28 – 6th Floor
Gebhardtstr. 28
90762 Fürth
Germany
www.keequant.com