

Job ID: IQOQIIBK103PD223

The Institute for Quantum Optics and Quantum Information Innsbruck ([IQOQI-IBK](https://www.iqoqi-ibk.at)) of the Austrian Academy of Sciences ([OeAW](https://www.oeaw.ac.at)), Austria's leading non-university research and science institution, dedicates its work to theoretical and experimental basic research in the areas of quantum science. IQOQI is pleased to invite applications for a

POSTDOC POSITION (F/M/X)
for the TruePa project (<https://www.truepa.eu>)
(full-time, 40h per week)

In the IQOQI research group “*superconducting quantum circuits*” led by Dr. Gerhard Kirchmair:

Main tasks:

- Design, build and characterize traveling wave parametric amplifiers
- Analysis of experimental results and the writing of scientific publications
- Tutoring of PhD, bachelor and master students
- Attendance of workshops and conferences with poster presentations and talks
- Support of the group with administrative tasks
- Collaborate with other members of the TruePa consortium

Your profile:

- PhD degree in physics with excellent academic record
- Experience with design and characterization of parametric amplifiers and/or superconducting circuits
- Experience with experimental techniques to characterize superconducting circuits like cryostats and microwave setups
- Practical cleanroom and micro fabrication experience such as electron beam lithography, metal evaporation and wet chemistry
- Experience in data analysis and numerical techniques for simulating quantum dynamics
- Strong background in quantum optics, and superconducting circuits
- Excellent verbal and written English skills
- Ability to work in a team and to present scientific results to the community

Our offer:

- Interesting field of activity in a dynamic environment
- Flextime arrangement
- Possibility to work in an innovative team and collaborate with an international consortium
- Numerous social benefits for employees

We offer an annual gross salary of € 66.501,40 before taxes based on the salary scheme of the Austrian Academy of Sciences.

We invite you to send your application, including a letter of motivation, your curriculum vitae and certificates to iqoqi-ibk@oeaw.ac.at, mentioning Job ID: IQOQIIBK103PD223. Applications are considered until the position is filled.

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.