The Institute for Quantum Optics and Quantum Information Innsbruck (IQOQI-IBK) of the Austrian Academy of Sciences (OeAW), 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 € 60,926.60 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: IQOQIBK103PD223. 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.*