

Job ID: IQOQIVIE014PD224

The Institute for Quantum Optics and Quantum Information Vienna ([IQOQI-Vienna](https://www.iqoqi-vienna.at)) of the Austrian Academy of Sciences ([OeAW](https://www.oeaw.ac.at)), Austria's leading non-university research and science institution, is offering a

POSTDOC POSITION (F/M/X)

(full-time, 40h per week)

in the Quantum Foundations and Quantum Information on the Nano- and Microscale research group, led by Markus Aspelmeyer (for details please visit: [Aspelmeyer Group](https://www.aspelmeyer.com)). The position is offered for an initial period of 12 months and will be funded by the QuMicro EU Pathfinder Project led by Michael Trupke.

Your tasks:

- Research in quantum sensing of electromagnetic fields
- Development of microwave control circuits for spin centers
- Supporting the project leader in preparing project proposals and publications
- Administrative and academic tasks including supervision of students

Your profile:

- Completed PhD studies in physics
- Experience with experimental observation of quantum entanglement
- Expertise with high-fidelity control and readout of multilevel quantum systems
- Detailed knowledge of nitrogen-vacancy centers in diamond
- Strong expertise in high-frequency electronic circuit design
- Experience in microfabrication and design of microstructures
- Previous research experience and a scientific track record reflecting your level of seniority
- Experience in supervising students

Interested candidates are invited to submit:

- PhD certificate
- A detailed curriculum vitae including list of publications
- Short research statement
- The electronic (email) contact details of at least two potential referees

to applications-iqoqi@oeaw.ac.at (mentioning Job ID: IQOQIVIE014PD224).

We offer an annual gross salary of € 66.501,40, according to the salary scheme of the Austrian Science Fund (FWF).

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.