

Job ID: IQOQIVIE167PD124

The Institute for Quantum Optics and Quantum Information Vienna ([IQOQI-Vienna](#)) of the Austrian Academy of Sciences ([ÖAW](#)), 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 Information and Foundations of Physics research group led by Dr. Markus Müller.

The Müller group's research focuses on foundational problems in theoretical physics from an information-theoretic perspective, with quantum information theory as its main tool. The group addresses a variety of questions with the rigorous methods of mathematical physics.

For more information on the research activities of the group, see [Müller Group](#).

Now the IQOQI-Vienna is offering **Postdoc position** to a highly motivated and well-qualified researcher to start on or after February 01st, 2025. The position is limited to 1 year, with the possibility of an extension. The postdoc will work with the Müller group on the topics of a Quantum Austria project on "Local Operations on Quantum Fields", relating the fields of Quantum Reference Frames, Mathematical Physics, Quantum Information Theory, and High-Energy Physics.

Your profile:

- Completed studies (PhD) in Physics or a related discipline
- Strong background in quantum theory and mathematical physics – in particular, the ability to work independently and familiarity with formulating and proving mathematical theorems are essential.
- Ideally, a strong background in quantum reference frames and quantum information theory
- Experience in relevant and excellent publication activity
- Ability to work well in a team
- Excellent English language and communication skills

Interested candidates are invited to submit:

- PhD certificate
- A detailed curriculum vitae including a list of publications
- A short Research Statement
- The electronic (email) contact details of at least two potential referees

to applications-iqoqi@oeaw.ac.at (mentioning Job ID: IQOQIVIE167PD124) **no later than November 15th, 2024**.

We offer an annual gross salary of € 66.501,40 according on the salary scheme of the Austrian Science of Academy.

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