

The Institute for Quantum Optics and Quantum Information-Vienna ([IQOQI-Vienna](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, is offering a

POSTDOC POSITION (F*M)

(full time, 40h per week)

in the *Experimental Quantum Foundations and Applications* research group led by Anton Zeilinger.

IQOQI-Vienna is among the world's foremost research institutions in research on quantum foundations. It currently consists of 86 researchers (including postdocs and graduate students). The experimental research in Anton Zeilinger's group is centered around quantum entanglement (for example, creation and identification of entanglement via the concept of path identity; high-dimensional and multiparticle quantum entanglement). The group is also interested in testing entanglement over large distances, entanglement distribution via satellites, and the development of quantum search algorithms. The group collaborates closely with innovative theoretical research groups, both situated at IQOQI-Vienna and world-wide. For more detailed information on research activities, see [Anton Zeilinger's research group](#).

Your profile:

- Completed studies (PhD) in Physics
- Significant experimental experience with entangled photons including higher dimensions like orbital angular momenta
- Extensive research experience, completed postdoctoral term
- Interest and experience in the management and communication aspects of academic research (e.g., academia management, third-party funding, entrepreneurship, finance, risk management, ethical conduct in science management and science communication)
- Professional experience outside academia

Your areas of activity:

- Experimental and theoretical research on the forefront of photonic entanglement
- Contributions to other research within Anton Zeilinger's research group and IQOQI-Vienna
- Communication of research results (scientific publications, talks at conferences and research institutions, poster presentations etc.)
- Contributions to science management and administration (project proposals and management, science communication, outreach activities etc.)
- Mentoring and supervision of Masters' and PhD students

Our offer:

- Interesting field of activity in a dynamic environment
- Opportunity to work in a dynamic, international, cutting-edge research team
- Flextime arrangement
- Numerous social benefits for employees

We offer an annual gross salary of € 49.718,34, according to the collective agreement of the Austrian Academy of Sciences. Depending on qualification and experience, the salary can be negotiated.

Please send your applications including a detailed curriculum vitae including list of publications, a short research statement and a PhD certificate via e-mail to applications-iqoqi@oeaw.ac.at (mentioning Job ID: IQOQIVIE027PD122) **no later than March 14, 2022**. Starting date: as soon as possible, at latest **April 2022**.

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.