

Job ID: IQOQIVIE081PD223

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, are committed to advancing knowledge and enhancing human understanding of nature and its laws. We also actively pursue the vision of quantum information science and the wide range of new possibilities it would open up for humanity. To this end, we conduct theoretical and experimental research on the foundations of quantum physics and the physics of quantum information and develop new quantum technologies. The institute is offering a

POSTDOC POSITION (F/M/X)

(full time, 40h per week)

in the Quantum Information Structure of Spacetime research group's project led by Dr. Marios Christodoulou.

The focus is on interdisciplinary research in quantum physics and gravitational physics. The particular emphasis of the group is in developing low energy quantum gravity theory with input from quantum information and quantum foundations, with a view to applying the results in the context of the novel field of 'table-top' phenomenology for quantum gravity.

Now the Institute for Quantum Optics and Quantum Information (IQOQI-Vienna) in Vienna is offering a Postdoc position, with an initial contract of 12 months, to a highly motivated and well-qualified scientist to work at the intersection of the broader fields of Quantum Information and Quantum Gravity.

Your tasks:

- Theoretical research at the interface between quantum information theory, quantum field theory and quantum gravity
- Supporting the group leader in preparing project proposals
- Involved in administrative and academic tasks and supervision of students

Your profile:

- PhD in quantum physics theory, ideally with solid experience in quantum field theory and interdisciplinary elements in gravity and quantum information
- Good general knowledge of general relativity, quantum field theory, quantum foundations, and quantum information theory

Interested candidates are invited to submit:

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

to applications-iqoqi@oeaw.ac.at (mentioning Job ID: IQOQIVIE081PD223) **no later than July 31st, 2023.**

We offer an annual gross salary of € 60.926,60, 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.