

Job ID: IQOQIVIE046DOC224

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, 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

PHD STUDENT POSITION (F/M/X)

(part-time/ 30h per week)

in the Quantum Foundations and Quantum Information Theory research group led by Dr. Miguel Navascués.

For the last few years, the Navascués group has been investigating the feasibility of science fiction constructs, old and new, either by showing that they violate basic physical principles or by proposing actual experimental implementations.

For an overview of the research activities of the group, see [Navascues Group](#)

Now the Institute for Quantum Optics and Quantum Information (IQOQI-Vienna) in Vienna is offering a PhD position to a highly motivated student to work in the field of Quantum Foundations and Quantum Information Theory.

Your task:

- Theoretical research at the interface of quantum foundations and quantum information theory

Your profile:

- A master's degree in physics, or a guarantee to receive one soon.
- Experience in quantum information theory
- Experience in convex optimization

Interested candidates are invited to submit:

- A curriculum vitae
- A cover letter
- A master's certificate, or a document guaranteeing that a master title will soon be awarded
- The electronic (email) contact details of at least two potential referees

to applications-iqoqi@oeaw.ac.at and in cc to miguel.navascues@oeaw.ac.at (mentioning Job ID: IQOQIVIE046DOC224) at your earliest convenience.

We offer an annual gross salary of € 37.773,33 according to the salary scheme of the Austrian Academy of Sciences.

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.