

Job ID: IQOQIIBK118PD223

The Institute for Quantum Optics and Quantum Information Innsbruck ([IQOQI-IBK](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, dedicates its work to theoretical and experimental basic research in the areas of quantum science. IQOQI is pleased to invite applications for a

POSTDOC POSITION (F/M/X)

(full-time, 40h per week)

for a duration of 4 years in the IQOQI research group "[Quantum Nanophysics, Optics, and Information](#)", led by Prof. Oriol Romero-Isart.

Your tasks:

The main topic of research is the theoretical development of open quantum system tools for the study of nanoparticles evolving in non-linear potentials and/or in the presence of complex environments, and their relevance in modelling experiments aiming to prepare macroscopic quantum superpositions.

Your profile:

- Doctoral degree in theoretical quantum physics
- Expertise in theoretical treatment of open quantum systems, levitated particle physics, and quantum optics and/or optomechanics
- Excellent English skills
- Experience and ability to collaborate with experimental groups
- Experience developing and leading research lines

Our offer:

- Interesting field of activity in a dynamic environment
- Flextime arrangement
- Possibility to work in an innovative team
- Numerous social benefits for employees

We offer an annual gross salary of € 60.926,60, according to the collective agreement of the Austrian Academy of Sciences.

We invite you to send your application, including a letter of motivation, your curriculum vitae and certificates via e-mail to iqoqi-ibk@oeaw.ac.at, mentioning Job ID: IQOQIIBK118PD223. Applications are considered until the position is filled.

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.