

Job ID: IQOQIIBK165DOC224

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

PHD STUDENT POSITION (F/M/X)

(part-time, 30h per week)

in the [IQOQI research group](#) "Dipolar Quantum gases" led by Prof. Francesca Ferlaino.

Your tasks:

- Work on an experiment with ultracold dipolar quantum gases and mixtures including regular maintenance, planning and implementing upgrades and extensions, performing measurements
- Analysis of experimental results and writing scientific publications
- Tutor bachelor and master students
- Representing the group on conferences and workshops via poster presentations and talks
- Supporting the group in administrative tasks

Your profile:

- Master's degree in physics
- Practical experience with experimental techniques used in cold atom and quantum gas experiments, especially laser and optical setups, vacuum technology, electronics
- Experimental know-how on cooling and trapping ultracold atoms and quantum-gas microscopy
- Experience in data analysis and theoretical modelling of physical systems
- Knowledge of the theoretical description of quantum systems in general and many-body systems in the context of ultracold dipolar quantum gases in specific
- Excellent verbal and written English skills
- Ability to work in a team and to present scientific results to the community
- [Fullfillment of the official requirements](#) for PhD students of the University of Innsbruck

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 37.773,33, 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 to iqoqi-ibk@oeaw.ac.at, mentioning Job ID: IQOQIIBK165DOC224, **no later than December 15th, 2024**. Applications are considered until the positions are 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.