

Job ID: IQOQIIBK099DOC223

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" within the ERC Advanced Grant DyMetEr, led by Prof. Francesca Ferlaino.

Main 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
- Fulfillment of the official requirements for PhD students of the University of Innsbruck <https://www.uibk.ac.at/studium/angebot/phd-physik/index.html>

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 € 34.606,85, 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: IQOQIIBK099DOC223. 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.