



OeAW - Discovering the future

As a central non-university institution for science and research, the **Austrian Academy of Sciences - OeAW** has the task of "**promoting science in every respect**". Founded in 1847 as a learned society, it now has over 760 members and around 1,800 employees dedicated to innovative basic research, interdisciplinary knowledge exchange and the dissemination of new insights. The OeAW initiates and maintains partnerships worldwide and represents Austria in international scientific organizations; it cooperates with numerous institutions in the scientific field in order to actively **shape the research landscape**.



Postdoc (f/m/x)

Job ID: IQOQIVIE161PD225

The Austrian Academy of Sciences (OeAW), Austria's leading non-university research and science institution, is offering a Position as

Postdoc (f/m/x)

(Part-time employee)

(Office & remote)

in the research group “Gravitational Quantum Physics” led by Markus Aspelmeyer (for details please visit: Aspelmeyer Group).

The position will be funded by the ERC Synergy Grant Q-Xtreme, a research project jointly with the University of Innsbruck and ETH Zurich to explore the extreme regime of macroscopic quantum superpositions of solids.

Your Tasks

- Theoretical research in the field of macroscopic quantum physics, in particular the study of noise and decoherence effects in levitated quantum optomechanical systems, as well as the design and theoretical analysis of new experimental methods and protocols to generate non-Gaussian quantum states of motion of levitated solids.
- Supporting the experimental members of the team with analytical and numerical tools for parameter estimations and noise analysis.
- Being involved in various administrative and academic tasks that involve the collaboration within the ERC Synergy network between Vienna, Innsbruck, and Zurich.

Your Profile

- Completed PhD studies in physics
- Previous (independent) research experience and a scientific track record reflecting your level of seniority
- Experience in supervising students and writing project proposals

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

- An annual gross salary according to the collective agreement of the Austrian Academy of Sciences (OeAW) of €69.028,40 . (Depending on qualification and experience, the salary can be negotiated.)

APPLY NOW

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.

Contact

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