

Postdoctoral Researcher Positions in Mathematics / Quantum Information

Technical University of Munich

m/f/d, 100%, initially for 2 years with the possibility of extension.

The School of Computation, Information and Technology at the Technical University of Munich (TUM) invites applications for several **Postdoctoral Researcher** positions (m/f/d, 100%, German salary level E13, duration 2-4 years) starting as soon as possible.

The positions are funded by the European Commission through the ERC project “Enhanced quantum information processing targeting the near term” and by the DFG through the Collaborative Research Center “Mathematics of Many Body Quantum Systems and Their Collective Phenomena” within the subproject “Complexity of Many-Body Quantum Systems”. The research will be done in the group of Prof. Robert König (Professor for the Theory of Complex Quantum Systems) and Prof. Michael M. Wolf (Professor for Mathematical Physics), both at the Department of Mathematics of the School of Computation, Information and Technology at TUM.

Successful candidates will have the opportunity to work in a vibrant, interdisciplinary and international research environment with significant quantum initiatives, including the Munich Center for Quantum Science and Technology, the Munich Quantum Valley and the Collaborative Research Center, which is a transregional cooperation between TUM, the Ludwig-Maximilians-Universität München and the University of Tübingen.

We seek excellent, highly motivated candidates who have a

- doctoral degree in mathematics, physics, or computer science
- good understanding of quantum theory and a strong background in at least one of the following fields: quantum information theory, quantum computing, theoretical computer science, mathematics
- good command of the English language (knowledge of German is not required).

For more information, please contact Prof. Robert König (robert.koenig@tum.de).

Applications* should include

- a CV, with a list of publications,
- copies of degrees / university transcripts,
- a motivational statement (at most one page) explaining the applicant's interest in the position as well as their relevant skills and experience,
- a research statement of about two pages, describing current research interests/goals
- names and email addresses of at least two professors who may provide letters of recommendation directly to the hiring committee upon request.

Please send your application as a **single PDF document** per email to Nicole Maier (sekretariat-m5@ma.tum.de) stating “Application Postdoc M5” in the subject line. Review of applications will begin on **March 1, 2025** and continue until this position is filled.

TUM is an equal opportunity employer. As such, we explicitly encourage applications from women. Applications from disabled persons with essentially the same qualifications will be given preference.

* As part of your application, you provide personal data to the Technical University of Munich (TUM). Please view our privacy policy on collecting and processing personal data in the course of the application process pursuant to Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at <https://portal.mytum.de/kompass/datenschutz/Bewerbung/>. By submitting your application, you confirm to have read and understood the data protection information provided by TUM.