

University Assistant Prae-Doc (all genders)



30 hours/week | limited to 4 years

TU Wien is Austria's largest institution of research and higher education in the fields of technology and natural sciences. With over 26,000 students and more than 4000 scientists, research, teaching, and learning dedicated to the advancement of science and technology have been conducted here for more than 200 years, guided by the motto "Technology for People". As a driver of innovation, TU Wien fosters close collaboration with business and industry and contributes to the prosperity of society.

At the **Institute of Solid State Physics**, in the Research Unit of Computational Materials Science TU Wien is offering a position as university assistant prae-doc (all genders) limited to expected 4 years for 30 hours/week. Expected start: immediately.

Tasks:

- Research in the field of numerical implementations of quantum field theory methods with the application to model solid state problems with particular focus on compact representations of two-particle response function
- Participating in scientific conferences, workshops, and events to present research findings and engage with the academic community
- Writing and publishing scientific papers and completing a PhD dissertation
- Contributing to teaching activities, including conducting examinations and mentoring junior students
- Supervising and collaborating with students in research projects and international collaborations
- Assistance in organizational and administrative tasks

Your profile:

- Master or diploma degree in physics or a closely related field
- Ability to conduct independent and methodological research.
- Ideally, experience in numerical calculations with many-body Green's functions and/or tensor train (matrix product state) representations of functions
- Excellent oral and written English skills
- Enthusiasm for research and interest in scientific discovery
- An open communication style and the ability to work collaboratively both with student and international research collaborators

We offer:

- Diverse and exciting research projects on cutting-edge topics with international collaborators
- Possibility of continuous personal development including teamwork and collaborative skills
- Hybrid working style with up to 40% home office option
- A range of attractive social benefits (see [Benefits](#))
- Wide range of internal and external training opportunities, various career options
- Central location of workplace as well as good accessibility (U1/U2/U4 Karlsplatz)

TU Wien is committed to increasing the proportion of women in particular in leadership positions. Female applicants are explicitly encouraged to apply. Preference will be given to women when equally qualified, unless reasons specific to a male applicant tilt the balance in his favour.

People with special needs are equally encouraged to apply. In case of any questions, please contact the confidant for disabled persons at the university, Mr. Gerhard Neustätter.

Entry level salary is determined by the pay grade B1 of the Austrian collective agreement for university staff. This is a minimum of currently EUR 2,832.10/month gross, 14 times/year for 30 hours/week. Relevant working experiences may increase the monthly income.

We look forward to receiving your application until April 16th, 2026.

<https://jobs.tuwien.ac.at/Register/262020>



Staatspreisträger
Staatspreis Familie & Beruf 2024

Bundeskanzleramt

If you have any questions, please do not hesitate to contact us Carmen Keck | T: +43 1 588 01 406201 Here you can find also relevant information about the [application process](#).

TECHNOLOGY FOR PEOPLE

Furthermore, please note that applicants will not normally be reimbursed for travel costs incurred in connection with this admission process.