



**Universität
Zürich^{UZH}**

Postdoctoral position in Condensed Matter Theory at the University of Zurich

We are looking for a motivated postdoctoral researcher with a PhD in quantum many-body physics and hands-on experience in numerical simulations using tensor network techniques to join the Condensed Matter Theory Group at the Department of Physics of the University of Zurich. The position is embedded in the SNSF Consolidator Grant project "Interacting Topological Quantum Chemistry".

As the successful candidate, you will work in the group of Prof. Titus Neupert on the simulation of fermionic infinite projected entangled-pair states (iPEPS), with the goal of performing predictive calculations for two-dimensional materials, in particular van der Waals material systems. For the purpose of this project, you will co-supervise two PhD students at different stages of their doctorate. Finally, you will benefit from the rich local scientific environment within the group and beyond (University of Zurich, Paul Scherrer Institute, ETH Zurich), as well as close ties to experimental groups and international collaborations.

The appointment is for two years, with possible extension by one year. The earliest possible start date is available; the position must be filled no later than mid-2026. The annual salary follows the University of Zurich salary scheme for postdoctoral researchers, amounting to CHF 100'240 per year. The University of Zurich is committed to promoting gender equality and diversity.

To apply, please send a CV and a letter of motivation, including a description of previous research experience (in particular tensor network / iPEPS methods), to cmt-applications@physik.uzh.ch. Further, please arrange for at least two confidential letters of reference to be submitted to the same address. To receive full consideration, all application materials should be submitted by October 30, 2026. However, applications will be considered after this deadline until the position is filled.

More information on the condensed matter theory group at the University of Zurich:
<https://www.physik.uzh.ch/en/groups/neupert.html>