



**Universität
Zürich^{UZH}**

PhD position in Condensed Matter Theory at the University of Zurich

The Condensed Matter Theory Group at the Department of Physics of the University of Zurich invites applications for a PhD position. Our research focuses on topological phases of matter, both in strongly and weakly correlated regimes, as well as connections between condensed matter theory, machine learning, and quantum computing. We look for a talented individual with a masters degree in condensed matter theory, who enjoys cracking challenging problems using both numerical and analytical approaches, and who is a good communicator as well as a great team player.

The successful applicant will be directly working with Dr. Mark H Fischer in the group of Prof. Titus Neupert. The PhD research will be broadly in the area of unconventional and topological superconductivity. The work will greatly benefit from the wide-ranging competences of the group members in this topic area, ranging from first principles calculations, via numerical methods for strongly correlated electron systems, all the way to field theoretical descriptions. Furthermore, the PhD student will benefit from interactions with the rich local scientific environment (University of Zurich, Paul Scherrer Institute, ETH Zurich) as well as close ties with many experimental groups.

The appointment will start in fall 2022 or earlier. The competitive salary follows the University of Zurich salary scheme for PhD positions. The University of Zurich is committed to promote gender equality and diversity. Women are particularly encouraged to apply.

To apply, please send a CV, a letter of motivation describing also previous research experience, and the contact details of at least two references to PD Dr. Mark H Fischer (mark.fischer@uzh.ch). To receive full consideration, all application materials should be submitted by January 31, 2022. However, applications will be considered after this deadline until the position is filled.

More information on the group of Prof. Titus Neupert:
<https://www.physik.uzh.ch/en/groups/neupert.html>