



**University of  
Zurich**<sup>UZH</sup>

## **Postdoctoral researcher 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 postdoctoral researcher position in the field of topological and strongly correlated states of matter.

The successful applicant will work in the group of Prof. Titus Neupert which pursues research in the following fields: (1) topological insulators and semimetals, (2) unconventional superconductivity, (3) machine learning applications to quantum matter, (4) Quantum field theory descriptions of topological order, (5) numerical studies on the fractional quantum Hall effect and other correlated quantum liquids. See <http://www.physik.uzh.ch/en/groups/neupert.html> for more information.

The postdoctoral researcher is expected to conduct leading research in one or more of these areas with a large degree of independence and initiative. In particular, a background in numerical methods such as first-principle calculations, DMRG, or exact diagonalization, as well as strong programming skills are welcome. The work will greatly benefit from the rich local research environment (University of Zurich, Paul Scherrer Institute, ETH Zurich) and will further be embedded in international collaborations with both theoretical and experimental groups.

The successful applicant will be employed for two years and will receive an independent budget for research-related expenses (e.g., travels). The competitive salary follows the salaries for postdocs at the Department of Physics of the University of Zurich. Required qualification is a PhD in physics or equivalent. The position will start in the first half of 2018 or at some later date to be agreed upon.

To apply, please send a CV, a list of publications, a research statement, and the contact details of at least three references to Titus Neupert ([neupert@physik.uzh.ch](mailto:neupert@physik.uzh.ch)). For more information, please write to the same address. Applications are considered until the position is filled.