

Postdoc position in ultrafast condensed matter physics – Switzerland

The Paul Scherrer Institute PSI is the largest research institute for natural and engineering sciences within Switzerland. We perform cutting-edge research in the fields of matter and materials, energy and environment and human health. By performing fundamental and applied research, we work on sustainable solutions for major challenges facing society, science and economy. PSI is committed to the training of future generations. Therefore, about one quarter of our staff are post-docs, post-graduates or apprentices. Altogether, PSI employs 2100 people.

For the Microscopy and Magnetism Group we are looking for a Postdoctoral Fellow Ultrafast condensed matter 80% or more, flextime

Your tasks:

Collaborating in an interdisciplinary environment, your team investigates the ultrafast dynamics of electronic, magnetic and structural properties in Perovskite-related materials. To understand interactions in solids and how they determine dynamical and static properties, you rely on ultrafast techniques, mainly X-ray probes. For X-ray scattering and spectroscopy experiments on ultrafast time scales, you have access to our free-electron laser SwissFEL.

Your profile:

- You have an academic background in physics with a PhD.
- You're enthusiastic about supporting the PSI Microscopy and Magnetism team in their efforts to understand complex oxides' physics and ultrafast dynamics at the atomic level
- You feel comfortable discussing methods, sharing findings, and communicating effectively in English in a multinational community of research teams
- You have handled femtosecond lasers in past experiments

We offer:

Our institution is based on an interdisciplinary, innovative and dynamic collaboration. You will profit from a systematic training on the job, in addition to personal development possibilities and our pronounced vocational training culture. If you wish to optimally combine work and family life or other personal interests, we are able to support you with our modern employment conditions and the on-site infrastructure.

Your employment contract is limited to 2 years.

Paul Scherrer Institut
Human Resources Management,
Anita Bleiker,
Forschungsstrasse 111,
5232 Villigen PSI, Switzerland,
www.psi.ch

For details on the fellowship and this particular project, contact Urs Staub PhD, phone +41 56 310 44 94.

Please submit your application online by 18 April 2021. Include a list of your publications and referees with their contact details. The index number of this postdoctoral fellowship is 6313-01.