



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 a joint project between the Microscopy and Magnetism and the Low-Energy Muons Groups we are looking for a

Postdoctoral Fellow

in quantum technologies using X-rays and muons

Your tasks

- To develop novel methods based on X-ray and muon spin spectroscopies for manipulation of molecular spins
- To perform X-ray absorption spectroscopy and X-ray magnetic circular dichroism experiments at the Swiss Light Source
- To perform muon-spin spectroscopy using the SmuS facilities at PSI
- To present the newly developed methods and the obtained results in international conferences and scientific journals

Your profile

You hold a PhD in physics or physical chemistry, preferably with focus on magnetic resonance techniques such as electron paramagnetic and nuclear magnetic resonance. You are highly motivated, experimentally skilled and have good English communication skills. Having experience in the fields of X-ray absorption spectroscopy, muon spin spectroscopy or molecular magnetism will be considered an asset for this position.

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

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Please submit your application online (including list of publications and addresses of referees) for the position as a Postdoctoral Fellow (index no. 6313-02).