The Paul Scherrer Institute PSI is the largest research centre 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 1900 people. In the Laboratory for Catalysis and Sustainable Chemistry, we synthesize, apply and characterize heterogeneous (photo) catalysts with the aim to unravel structure - performance relations and enable their design. To strengthen our program in the field pump-probe X-ray absorption and emission spectroscopy on photo-catalytic systems and in collaboration with the Super-XAS beam line team, we are looking for a

Scientist

Synchrotron-based pump-probe X-ray absorption and emission spectroscopy

Your tasks

- Performing and further developing laser pump X-ray probe spectroscopy at the Super-XAS beam line
- Develop a competitive research program in the characterization and rational design of photo-catalysts
- Active collaboration in the design and support of experiments with our users community

Your profile

- PhD degree in physics, physical chemistry or related field
- Experience with the use of ultrafast lasers and synchrotron radiation

You will work as a team player in a stimulating international environment, giving you excellent opportunities for new initiatives and independent research.

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.

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For further information please contact Prof. Dr Jeroen A. van Bokhoven, phone +41 56 310 50 46.

Please submit your application online (including list of publications and addresses of referees) for the position as a Scientist (index no. 6400-01).

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