

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 Coherent X-Ray Scattering Group at the Swiss Light Source SLS in the Photon Science Division we are looking for a

PhD Student

Multiscale changes in bone due to bio-resorbable implants

Your tasks

- Help to design and conduct X-Ray characterization experiments of bone/implant samples
- Coordinate with collaborators interpreting the results
- Development of small-angle X-Ray scattering (SAXS)-based microscopy and tomography techniques and analysis methods

Your profile

- Completed study in information technology, computer science, physics, materials science, or a related discipline
- You have an active interest in both experimental work and the analysis of large data sets
- Programming experience is an asset, as is the ability to work independently in a collaborative and interdisciplinary research team
- Good communication skills in English are required

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.

For further information, please contact Dr Andreas Menzel, phone +41 56 310 37 11.

Please submit your application online by

25 October 2020

(including addresses of referees) for the position as a PhD Student (index no. 6113-00).

Paul Scherrer Institut Human Resources Management, Anita Bleiker, 5232 Villigen PSI, Switzerland

➔ Apply online now