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.

The Macromolecular Crystallography Group at the Swiss Light Source (SLS) operates with three state of the art beamlines providing an outstanding and flexible experimental station for scientists from all over the globe. The group is involved in several aspects of protein crystallography including the development of advanced beamline instrumentation and crystallographic methods, as well as structural biology projects in collaboration with the Laboratory of Biomolecular Research at PSI and external partners.

We are looking for a

Software Engineer

for Macromolecular Crystallography Data Management and High Level Applications

Your tasks

We strive to make the research of our visiting scientists more productive by arming them with fast, intuitive and easy to use software to handle the most complex data acquisition protocols. As an integral member of our multidisciplinary multinational team you will be interacting with top scientists, engineers and technicians at both the MX Group, the controls section, and the SwissFEL to develop the next generation of user software to handle exclusive cutting edge hardware and the exciting new research that comes with it.

Your profile

- You hold a university or higher degree in physics, chemistry, biology, information technology or comparable
- You know Python (numpy) and database technologies (mongodb is a plus)
- You have dabbled with web programming
- You developed or interacted with large scalable software systems
- Good command of the English language
- Ideally you have experience in crystallography, automation, beamlines or other types of instrumentation
- You are driven, outspoken and enjoy the challenge of learning new technologies

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 an initial period of 2 years.

For further information please contact Dr Ezequiel Panepucci, phone +41 56 310 52 67.

Please submit your application online (including list of publications and addresses of referees) for the position as a Software Engineer (index no. 6112-00).
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