

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 future technologies, energy and climate, health innovation and fundamentals of nature. 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 2300 people.

For the Advanced Lithography and Metrology Group in the Laboratory for X-ray Nanoscience and Technologies we are looking for a

Postdoctoral Fellow for EUV Nanolithography

12.08.2025 • Postdoctoral • 6217-00 • 100% 

[Apply online now](#)

Your tasks

- Development of EUV and beyond EUV masks or single-digit nanometer EUV interference lithography, zone plates for direct EUV writing as well as masks for EUV holography using advanced e-beam lithography and nanofabrication techniques
- Initiation and participation in experiments at the XIL-II beamline
- Participation in the commissioning and further development of the new EUV lithography tool at PSI
- User support under the NFFA project
- Close cooperation with internal and external partners
- Performing research of highest quality and publication in high impact factor journals and international conferences

Your profile

- You have a PhD degree in science or engineering and you have a keen interest in applied research in nanoscience and technology
- You have hands-on experience in nanolithography and nanofabrication
- You are looking for new challenges and you are eager to learn new methods
- You are a highly motivated team player with good communication and organization skills
- Experience in some of the following fields will be of advantage: electron beam lithography, EUV lithography, X-ray optics, nanofabrication techniques, nanocharacterization including AFM and SEM, synchrotron-based methods

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.

For further information, please contact Dr Dimitrios Kazazis, phone +41 56 310 5578.

Please submit your application online by **22. September 2025** (including list of publications and addresses of referees) for the position as a Postdoctoral Fellow (Index-Nr. 6217-00).