

PhD position – Blazed Reflection Gratings Development

XRnanotech is an award-winning Swiss deep-tech startup specializing in advanced X-ray optics and nanotechnology. Our innovative solutions are at the forefront of research, industry, space, and telecommunications, driving breakthroughs that shape the future of optical applications. Join our dynamic team and contribute to pioneering projects that make a global impact.

Join our ongoing efforts to revolutionize X-ray and optical applications by developing blazed reflection gratings. Building on the successful work of the EU-funded LEAPS Consortium, you will work towards making blazed gratings a viable product for synchrotron applications.

Responsibilities:

- Innovate and develop blazed reflection gratings for X-ray optical applications.
- Optimize fabrication processes to enhance product viability.
- Collaborate with cross-functional teams to advance project goals.
- Contribute to research publications and present findings at conferences.
- Engage with big science partners such as CERN, ESA, PSI and ESRF.

Your profile:

- Master degree in Physics, Materials Science, Engineering, or a related field.
- Background in optics and nanostructuring technologies.
- Experience with cleanroom usage and process development is a plus.
- Excellent problem-solving skills and a proactive mindset.
- Fluent in English; German is a plus.
- Possibility to obtain a Swiss working permit.

We offer:

- Short decision-making paths and flat hierarchies.
- Collegial corporate culture.
- Freedom for your ideas.

For any questions, feel free to contact Dr. Florian Döring, CEO, via email or phone at +41 56 310 5597.

If you are passionate about nanotechnology and eager to contribute to cutting-edge projects, we invite you to apply. Please send your application, including your CV and relevant transcripts, to florian.doering@xrnanotech.ch.

Join XRnanotech and be a part of our journey to innovate and excel in the field of X-ray optics and nanotechnology!

