

From Science to Startup – XRnanotech’s Vision to Optimize X-ray Science - With you.

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XRnanotech is an award-winning spin-off from the Paul Scherrer Institute in Switzerland. We are at the forefront of revolutionizing X-ray optics. Our journey from a research initiative to a leading startup has been driven by a commitment to advancing X-ray science through innovative optical solutions. We invite you to join us for an engaging session where we share our story, highlight our cutting-edge technologies, and explore opportunities for collaboration.

As a trusted supplier for all major accelerator-based light sources and other renowned academic institutions worldwide, XRnanotech is keen to explore potential fields of collaboration. In this talk, we would like to kick-off a dialogue with you at the ESRF beamlines and experiments to identify areas where we can jointly push the boundaries of X-ray science.

Innovative Solutions with Examples of:

- **Fresnel Zone Plates (FZPs):** From binary zone plates to high-resolution, line-doubled zone plates for high resolution, and multi-step zone plates for high efficiency.
- **Blazed Gratings:** Developed within the LEAPS framework, these gratings enhance X-ray spectroscopy, offering unprecedented capabilities for both research and industrial applications.
- **Compound Refractive Lenses:** In the future, we aim to incorporate new technologies, ensuring super high aspect ratios and smooth structures for CRL applications.

Your Feedback

We believe in the power of collaboration and the collective advancement of technology. This session aims to:

- Start discussions on potential collaboration topics with you at the experimental forefront.
- Discuss a path for more collaboration, common grant proposals, becoming a general supplier and partner, meeting your specific needs in X-ray optics and instrumentation.
- Gather valuable feedback from scientists to understand their vision and requirements for future collaborations.