

Job offer #20250725 - X-ray Instrumentation and Technology Scientist / Lead X-ray Instrumentation R&D Scientist F/M

XENOCS is an innovative international group, specializing in the development and commercialization of cutting-edge solutions for the characterization of materials at the nanometric scale through X-ray diffraction. We serve an international clientele composed of researchers in universities and laboratories, as well as manufacturers of analytical equipment. Founded in 2000, the company was spun off from the Institut Laue Langevin and is based in Grenoble, with subsidiaries in the United States, Denmark, and China. Our international team consists of over 100 passionate employees.

Join us as :

X-ray Instrumentation and Technology Scientist / Lead X-ray Instrumentation R&D Scientist F/M

We offer you the opportunity to join a growing company, within a multicultural, dynamic, and innovative team. You will work in a collaborative environment in modern offices located on the Presqu'île de Grenoble, designed to foster work-life balance and optimize the performance of our employees.

MISSION

As a key member of the Product Development and Engineering team, the X-ray Instrumentation and Technology Scientist will drive innovation by identifying, developing, and validating cutting-edge solutions to enhance Xenocs' existing product portfolio and enable new product lines. This leadership role involves strategic technical development, collaboration with internal teams and external partners, and intellectual property management.

MAIN RESPONSABILITIES

- **Technology Analysis & Innovation**

Conduct in-depth analysis of existing and emerging technologies relevant to X-ray instrumentation, optics, and scattering techniques. Identify opportunities for technological advancement to maintain Xenocs' competitive edge.

- **R&D Roadmap Development**

Lead the development and management of a strategic R&D roadmap aligned with company objectives and market needs, coordinating efforts with internal stakeholders and external collaborators.

- **Product & Process Development**

Drive the conceptualization, development, and validation of innovative solutions to improve current products or enable new product offerings, ensuring alignment with technical performance targets and marketing strategies.

- **Optics & Instrument Design**

Lead the design and optimization of X-ray optics and core instrumentation components, ensuring high performance, reliability, and manufacturability.

- **External Collaboration & Technology Transfer**

Manage partnerships with research institutions, technology providers, and industry partners to accelerate innovation and facilitate technology transfer.

- **Intellectual Property Management**

Identify patent opportunities, develop patent strategies, and oversee the management of the company's IP portfolio related to new inventions and innovations.

- **Innovation Leadership**

Foster a culture of continuous innovation by inspiring inventors within the company, organizing ideation sessions, and supporting patent applications and publications.

CANDIDATE PROFILE

Technical Background : Advanced degree (Ph.D. or Master's preferred) in Physics, Materials Science, Optical Engineering, or related fields with specialized knowledge in X-ray technology, instrumentation, optics, and scattering techniques.

Skills and Competencies :

- Strong background in optical design, X-ray sources, detectors, and related components
- Experience managing R&D projects from conception through validation and transfer
- Familiarity with patent processes and IP management
- Excellent collaboration skills to work effectively across multidisciplinary teams and external partners
- Innovative mindset with a passion for scientific and product innovation

Experience : Proven experience in X-ray instrumentation development, in particular X-ray optics and scattering methods, ideally within an industrial or research setting.

This role offers an exciting opportunity to lead technological advancements in a cutting-edge field, shaping the future of SAXS instrumentation and analytic solutions worldwide.

Interested ? Please send your application at recrutement@xenocs.com and fchretien@cns-worldwide.com