



Technical assistant in instrumentation, experimentation, and measurement

Permanent position

Context

The Institut Laue-Langevin (ILL) is an international centre for scientific research situated in Grenoble, France. It is Europe's leading neutron science facility. Each year, we host over 2000 visits by scientists, who come to carry out world-class research in a wide variety of scientific fields. The Biology, Deuteration, Chemistry and Soft Matter (BDCS) group operates the Chemistry and Soft Matter support laboratories, which offer equipment for sample preparation and characterisation of solutions and interfaces, serving both external users and in-house scientists. The BDCS staff also run the Lipid and Deuteration laboratories, which are equipped with state-of-the-art instrumentation for the synthesis and characterisation of tailor-made deuterated compounds.

Your tasks

Working within the BDCS group, your role will be to set up various experimental devices and contribute to the management, maintenance and purchase of experimental equipment. You will be responsible for ensuring the proper functioning and calibration of the various laboratory equipment, as well as performing series of physical measurements in accordance with established protocols. Further tasks include drafting operating procedures of experimental devices, handling first-level maintenance and servicing, overseeing the detection and diagnosis of simple breakdowns, and maintaining relations with suppliers.

Your will have the following duties:

- Managing and maintaining a variety of equipment in the different laboratories of the group
- Diagnosing and troubleshooting equipment failures, with a primary focus on electronics
- Overseeing regular maintenance operations, including scheduling and coordinating visits from subcontractors and external service providers
- Operating a Computerised Maintenance Management System (CMMS)
- Monitoring and ensuring the availability of essential supplies, such as liquid nitrogen and other gases/liquids needed for BDCS equipment
- Designing and fabricating custom experimental equipment (e.g. via 3D printing)

The successful candidate will interact strongly with BDCS staff, users, subcontractors and service providers.

Your profile

- Bachelor's degree or equivalent qualification in a technical field (e.g. physical measurements and instrumentation)
- Work experience at a research facility or in industry. Experience at a large-scale facility and of the concept of user service would be an advantage.
- Strong technical expertise in scientific instrumentation, including its design, operation, troubleshooting and maintenance. A solid background in electronics is essential, complemented by skills in mechanical engineering and design.
- Availability/motivation/curiosity to evolve and learn to use various equipment (also via training)
- Willingness to interact with various stakeholders at ILL, including logistics (orders, stock, deliveries), maintenance teams, group members, safety engineers, and fellow technicians
- Autonomy and good communication skills.
- You must have a sound knowledge of English or French.

What we offer



Quality of life – A hub for research and technology, the city of Grenoble is ideally located in the heart of the French Alps (just 3 hours from Paris/Provence by train, 1 hour from Lyon international airport and 1 ½ hours from Geneva). It is important for us that our staff achieve a healthy work-life balance. We therefore offer home working (under certain conditions), generous annual paid leave entitlement and a host of other benefits that you will discover when you arrive!



Prospects - We guarantee you a stable permanent position in a multicultural scientific environment.



Benefits - We offer generous social benefits (expatriation allowance, excellent health cover), moving and relocation assistance (under certain conditions) and an annual productivity bonus. We also offer language courses for you and your partner and subsidies for the use of public transport and the staff canteen, as well as for holidays and a variety of cultural and sports activities.

Sounds interesting?

Then why not take your next career step with us by applying online via our career portal by **18.05.2025**, quoting reference number **25/25**. Please note that all applicants are subject to administrative screening (background checks). For this post, medical fitness for work under ionising radiation is required. You will also have to perform an emergency response role in the event of a crisis. We are committed to equal opportunities and diversity and therefore welcome applications from all suitably qualified candidates.

Please note that the **interviews** will take place between **23 and 25 June**.

The Institut Laue-Langevin (ILL) is based in Grenoble (France) and operates Europe's leading research facility for basic research with neutrons. United by our passion for progress and technology, we drive science and research forward every day. Together, we can pave the way for discoveries that will help to make our world a better place.

www.ill.eu/careers

