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**Vacancy**

**Instrument Scientist D10+**

**Context**

The Institut Laue-Langevin (ILL) is a world-leading international research centre specialising in neutron science and technology, located in Grenoble, France. Renowned for its high-flux neutron source, the ILL supports cutting-edge research across a variety of fields, including condensed matter physics, chemistry, biology and materials science. As part of the Diffraction group, you will contribute to the development and operation of advanced instrumentation, in particular the state-of-the-art D10+ single-crystal 4-circle diffractometer. This role offers a unique opportunity to collaborate with an international community of scientists and to support users in utilising the ILL’s neutron facilities.

**Yours Tasks**

• Develop Research in Magnetism and Crystallography: Lead research activities in magnetism and crystallography through collaboration with the user community and as part of a personal research-programme.  
• User Support: Assist users in conducting scientific experiments, primarily on the D10+ diffractometer, but possibly also on other single-crystal (D9, D3) and powder diffractometers (D2B,D1B,D20).  
• Instrument Development: Drive the development and maintenance of the D10+ diffractometer, itsmultiple options and sample environments.  
• Promotion and Training: Promote the ILL single-crystal programme and contribute to teaching and training activities for users and students.

**Qualifications / Experience:**

• You hold a PhD in physics, chemistry or materials science, or equivalent, with a strong specialisation in magnetic crystallography and group theory.  
• You have proven experience with neutron and/or X-ray magnetic scattering techniques, as well as single-crystal diffraction.  
• You are familiar with polarized neutron scattering, which would be considered a valuable addition to your expertise.  
• You possess programming skills in languages such as C++, Python or Fortran, which are considered advantageous for the role.  
• You have excellent interpersonal skills, enabling you to collaborate effectively with a diverse user base, ranging from experienced scientists to students.  
• You have a sound knowledge of English and are willing to learn French to thrive in our international research environment.

**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 **1-year fixed-term contract** 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.

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| **How to apply:**  **Please submit your application on line no later 09.02.2025, via our website :** |  |
| [**www.ill.eu/careers**](http://www.ill.eu/careers)  **(vacancy reference : 25/03).** |
| **Con copia de la candidatura a: eures.franciasuizabenelux@sepe.es**  **Indicando la referencia ILL 25/03** |

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