

## Vacancy

The ILL Diffraction group operates a large suite of powder and single crystal diffractometers to carry out collaborative research programmes in various areas of chemistry, physics, materials science and engineering. The ILL is inviting applications for an instrument scientist on the D10+ single crystal diffractometer. D10+ is dedicated to the study of magnetic structures of single crystals and thin films and plays a key role in diverse scientific areas.

### Research Scientist- Single Crystal Neutron Diffraction D10+

#### Yours Tasks

- Developing a research activity in magnetism in collaboration with the user community as part of a personal research programme
- Providing support to users for scientific experiments on the D10+ diffractometer but also on other single crystal diffractometers (D9, D3)
- Initiating development and maintenance work for the D10+ diffractometer
- Promoting the ILL single crystal programme and conducting teaching and training activities.

#### Qualifications / Experience:

- PhD in physics, chemistry or material sciences, or equivalent qualification together with an experience in neutron and/or X-ray magnetic scattering techniques.
- Practical skills in single crystal diffraction, an expertise in magnetic crystallography and knowledge of the group theory are essential for the post.
- Knowledge of polarized neutron scattering and programming languages (C++, Python, Fortran...) would be an asset.
- As an international research centre, we are particularly keen to ensure that we also attract applicants from outside France. You must have a sound knowledge of English and be willing to learn French (a language course will be paid for by the ILL).

## 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 **5-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.

## How to apply:

**Please submit your application on line no later 05/03/2023, via our website :**

**[www.ill.eu/careers](http://www.ill.eu/careers)**

**(vacancy reference : 23/07).**

**Con copia de la candidatura a: [eures.franciasuizabenelux@sepe.es](mailto:eures.franciasuizabenelux@sepe.es)**

**Indicando la referencia ILL 23/07**

**[Ayudas a la movilidad EURES](#)**

