

VACANCY

The Institut Laue-Langevin (ILL), situated in Grenoble, France, is Europe's leading research facility for scientific research using neutrons. Every year we host over 2000 visits by scientists, who come to carry out world-class research.

Are you interested in joining our international institute? We currently have a vacancy for a:

Research Scientist on D10 (M/F) Single crystal neutron diffraction

Duties:

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, for example research on new multiferroic materials, frustrated magnetic systems and superconductivity. In order to strengthen single crystal activities, we are seeking to recruit a highly motivated **Scientist for single crystal neutron diffraction on D10**. The selected candidate will be in charge of:

- 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 and 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.

The post represents an excellent opportunity for a scientist to develop expertise, broaden his/her experience and interact with leading scientists from around the world. Applications from more experienced scientists who are able to obtain a secondment period from their home institute are also encouraged.

Language skills:

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). Knowledge of German would be an advantage.

Notes:

This post is a 5-year fixed-term contract.

Medical fitness for work under ionising radiation is required.

Further information can be obtained by contacting the head of the DIFFRACTION Group: Dr. Maria Teresa FERNANDEZ DIAZ, tel. : +33(0)4.76.20.76.06, email: ferndiaz@ill.eu or via www.ill.fr/diff (*please do not send your application to this address*).

Benefits:

Generous company benefits (expatriation allowance), relocation assistance and language courses may be offered (for more information, please consult our [employment conditions](#)).

How to apply:

Please submit your application on line with a list of publications and the **names of 3 references, including one from your present work place**, no later than **02.09.2018**, via our website: www.ill.eu/careers (Vacancy reference: **18/37**).

We are committed to equal opportunity and diversity; we therefore encourage anyone with relevant qualifications to apply.