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VACANCY

The Institut Laue-Langevin (ILL), situated in Grenoble, France, is Europe's leading research facility for scientific research using neutrons. The ILL operates the brightest neutron source in the world, and welcomes over 2000 visits of scientists per year to carry out world-class research in a wide variety of scientific fields. The ILL is supported by 13 countries and employs 500 staff. The Science Division currently has a vacancy for a:

Research Scientist (M/F)

Duties:

The ILL Diffraction group operates a large suite of powder and single crystal diffractometers to carry out collaborative research programs in various areas of chemistry, physics, materials science, engineering, and protein structure. We are seeking for a scientist working on the D3 diffractometer. Whilst carrying out your own active research program, you will be in charge of:

- co-running the D3 diffractometer and participating both in its development and maintenance, including data analysis methods and sample environment equipment
- providing support to users for scientific experiments on D3 but also on other single crystal diffractometers (D9, D10)
- developing a research program in magnetism, in collaboration with the user community
- promoting ILL's single crystal program within the scientific community and to the general public.

The post represents an excellent opportunity for young postdoctoral scientists to develop expertise, broaden experience and interact with leading scientists from around the world. Applications from more experienced scientists able to obtain a secondment period from their home institution will also be considered.

Qualifications and experience:

You have:

- a PhD in physics, chemistry, materials science, or equivalent qualification
- an experience in neutron and/or X-ray magnetic scattering techniques
- a deep knowledge of crystal diffraction, magnetic crystallography and group theory are essential
- some experience with polarized neutrons is highly desirable
- knowledge of programming languages (C++, Python, Fortran,...) is an asset.

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. Knowledge of German would be an advantage. Language courses will be paid for by the ILL.

Notes:

Fixed-term contract of 5 years.

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, e-mail: ferndiaz@ill.eu or via www.ill.fr/dif (***please do not send your application to this address***).

Application must be submitted in English. Medical fitness for work under ionising radiation is required.

Benefits:

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

How to apply:

Please submit your application with **a list of publications** and the **name of 3 references** (including one from your present work place) on-line, no later than **08.05.2017**, via our web site: www.ill.eu/careers (vacancy reference: **17/09**).

The ILL is an equal opportunities employer and encourages both men and women with the relevant qualifications to apply.