The Institut Laue-Langevin (ILL), situated in Grenoble, France, is Europe's leading research facility for fundamental research using neutrons. The ILL operates the brightest neutron source in the world, reliably delivering intense neutron beams to 40 unique scientific instruments. The Institute welcomes over 2000 visits of scientists per year to carry out world-class research in solid-state physics, crystallography, soft matter, biology, chemistry and fundamental physics. Funded primarily by its three founder members: France, Germany and the United Kingdom, the ILL has also signed scientific collaboration agreements with 10 other countries. Our theory group currently has a vacancy:

**Post-Doctoral Fellowship in Soft Condensed Matter Theory (M/F)**

**Duties:**

Working within our theory group, your research program will be focused on soft condensed matter theory and modeling (including applications to soft materials and biophysics). Of particular interest are projects in the field of polymer, biopolymers or protein modeling, but proposals in all fields of soft matter will be considered.

The successful candidate is expected to carry out a research program in broad relation to the experimental activities at the institute.

**Qualifications and experience**

- PhD in physics, biophysics or physical chemistry.
- Strong background in theoretical soft matter and associated simulation methods.
- Knowledge of standard calculation methods (molecular dynamics and Monte Carlo).
- Knowledge appreciated in some of the following fields = modern parallelisation and programming methods (open MP, MPI, ...).
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:

Post-Doctoral contract of 18 months, renewable for a further 18-month period. Only candidates holding a **PhD obtained less than 2 years ago** are eligible for post-doctoral positions. 

This post is located in Grenoble, France, and can be subject to administrative screening. 

Starting date is flexible (ideally between May 2020 and September 2020).

Further information can be obtained by contacting Prof. Jean-Louis BARRAT, tel.: +33(0)4.76.20.74.71, email: barrat@ill.fr (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, a two pages research statement and the names of 3 references, including one from your present work place, no later than 15/03/2020, via our website: (vacancy reference: 20/07).

Confirmar candidatura a: eures.franciasuizabenenelux@sepe.es 

indicando la referencia: **ILL 20/07**

Ayudas a la movilidad