Vacancy

The Large Scale Structures (LSS) group comprises a range of instruments designed to carry out studies on the structure of matter on a scale of one to hundreds of nanometres. The range of science covered is very broad, from polymer and colloid science through structural molecular biology to materials science and magnetic phenomena. We are looking for a scientist with a research interest in soft matter and in the analysis of complex small-angle scattering data. The successful candidate will be assigned to the small-angle neutron scattering (SANS) instrument D33 and will spend up to 50% of his/her time working with the Scientific Computing Service

Instrument Data Scientist SANS

Yours Tasks

Working within the LSS group and collaborating closely with the CS Service, in addition to carrying out your own active research programme, ideally in soft matter or life sciences, you will be responsible for:

• Leading the development and integration of the LSS SANS software suite (Mantid, Grasp, Sasview, Sasfit, …) maintained by the CS Service at ILL. Your main tasks will be (i) to evaluate the needs of the scientists and formalise them (write documentation and/or initial Python scripts) (ii) contribute to the development of the code or the code review process with the members of the CS Service, and (iii) test the output of the code
• Co-running the D33 SANS instrument, participating both in the day-to-day operation of the instrument as well as its technical development and upgrade
• Providing support to users for scientific experiments and offering guidance with data reduction and analysis
• Promoting scientific partnerships in your field of research
• Participating in the longer-term development of the instrument and data analysis.

Qualifications / Experience:

• PhD in physics, biophysics or physical chemistry.
• Experience in small-angle scattering is required.
• Experience in scientific programming in Python is essential. Experience in C++ would be an asset.
• General skills in method and/or software development would be an asset.
• You are keen to work in an international research centre.
• 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 scientist 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 15/12/2024, via our website :
www.ill.eu/careers
(vacancy reference : 24/49).
https://www.ill-recruits.eu/index_extern.php?sid=1715&intern=0

Con copia de la candidatura a: eures.franciasuizabenelux@sepe.es

Indicando la referencia ILL 24/49

Ayudas a la movilidad EURES