Join the ESRF, the European Synchrotron!

The ESRF, the European Synchrotron, is an international research facility based in Grenoble, France. Thanks to high-level, innovative engineering and cutting-edge vision, the ESRF is recognised as one of the top research institutions worldwide, welcoming more than 6 500 scientists every year in fields such as biology, medicine, chemistry, earth and environmental sciences, cultural heritage, materials and surface science, and physics. The ESRF is supported by 22 countries and employs 650 staff.

We are currently seeking to recruit a:

Beamline Scientist

In high pressure

Time-limited position (5 years maximum)
ref. 2166

JOB DESCRIPTION

You will play a major role in the operation and further development of the ID24/BM23 beamline complex as well as in the other activities of the group.

One of the scientific goals is to provide highly focused X-ray beams for X-ray Absorption Spectroscopy at very high pressures and temperatures (P > 100 GPa, T > 3000K) for applications in geochemistry and geophysics, environmental science, condensed matter physics and material science. Current instrumental developments involve a double sided in-situ laser heating facility for Diamond Anvil Cells (DACs), resistively heated DACs and a Paris Edinburgh Press.

As a Beamline Scientist, you will:

- Manage the technical upgrades and development of the high pressure and temperature facilities
- Support users as local contact, thus gaining opportunities for collaborative work at the frontiers of the field
- Develop your own research programme exploiting ID24/BM23's unique technical possibilities in close collaboration with the beamline team

Further information may be obtained from Sakura Pascarelli (tel.: +33 (0)4 76 88 2147, email: sakura@esrf.fr).

PROFILE, SKILLS AND EXPERIENCE

- PhD and several years of postdoctoral experience in physics, geosciences, or other closely related fields
- Experience with X-ray absorption spectroscopy
- Experience with X-ray diffraction or complementary methods such as Raman spectroscopy would be desirable.
- Consolidated experience in high pressure techniques is mandatory
- Ability to interact with multi-disciplinary staff and facility users
- Good time management skills and ability to prioritize
- Proficiency in English (working language at the ESRF)

WORK CONDITIONS

The monthly salary may be complemented by additional allowances upon eligibility. The ESRF is an equal opportunity employer and encourages diversity.

If you are interested in this position, please apply on http://www.esrf.fr/Jobs by January 7th, 2018.

ESRF, The European Synchrotron (www.esrf.eu)
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