

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 21 countries and employs 600 staff.

We are currently seeking to recruit a:

# Scientist for Single Particle Cryo-electron Microscopy

## in the Structural Biology Group

Time-limited position (5 years maximum)  
ref. 2301

### JOB DESCRIPTION

**You will play a major role in the commissioning, operation and further development of the cryo-electron microscopy (cryo-EM) facility focused on single particle reconstruction of macromolecular complexes.**

The facility – currently under construction – will be composed of a Titan Krios microscope, equipped with a Quantum LC energy filter (including a K2 direct electron detector) and Volta phase plate. Access to T12 microscopes as well as a F20 and a Polara cryo-EM equipped with a K2 electron detector is given through the Partnership for Structural Biology (PSB).

As a Beamline Scientist, your missions are the following:

- Lead and manage the installation, commissioning, operation and development of the ESRF microscope.
- Develop automation for high-throughput cryo-EM.
- Support users through the role of local contact and as part of team comprising 3 scientists and Postdocs/PhD students, thus gaining opportunities for collaborative work at the frontiers of the field.
- Develop your own research programme exploiting the use of single particle cryo-EM.

Further information may be obtained from G. Leonard (tel.: +33 (0)4 76 88 23 94, email: [leonard@esrf.fr](mailto:leonard@esrf.fr)).

### PROFILE, SKILLS AND EXPERIENCE

- PhD in physics, protein crystallography or a related subject and several years of postdoctoral experience in the field of single particle cryo-EM applied to macromolecular complexes.
- An interest in automation of cryo-EM experiments and data processing would be an asset.
- Ability to interact with multi-disciplinary staff and facility users.
- Good time management and leadership skills and the ability to prioritise.
- English proficiency (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 15th 2017.**