



The ESRF is a multinational research institute, situated in Grenoble, France and financed by 21 countries mostly European. It operates a powerful synchrotron X-ray source with some 30 beamlines (instruments) covering a wide range of scientific research in fields such as biology and medicine, chemistry, earth and environmental sciences, materials and surface science, and physics. The ESRF employs about 600 staff and is organized as a French *société civile*.

Within the Experiments Division, the X-ray Imaging Group is now seeking to recruit a:

## Post-doctoral fellow (m/f) for the X-Ray Microspectroscopy beamline ID21

### THE FUNCTION

**As a post-doctoral fellow, you will be deeply involved in all the beamline activities: you will provide support to external users acting as a local contact, you will develop your own in-house research programme and you will participate in the development of the beamline instruments.**

ID21 is a micro-analytical platform devoted to high resolution X-ray and infrared micro-analysis and micro-spectroscopy. The beamline comprises different end-stations: (i) an X-ray microscope optimized for **2D submicro-X-ray fluorescence and submicro-XANES** (scanning and full-field modes) in the 2-9keV range; (ii) a **FTIR microscope** in the mid IR domain and (iii) a third end-station, currently under construction and commissioning, dedicated to **2D micro X-ray diffraction** (8.5keV). User support on these instruments will be a key activity providing opportunities for collaborative work with international research groups. Current users and in-house research applications are mainly in the fields of Biology, Medicine, Geochemistry, Archeometry, or Environmental Sciences. You will be encouraged to develop your own research programme, in one of these fields or any others, providing that it exploits ID21's unique possibilities (a description of a project will be highly appreciated).

### QUALIFICATIONS AND EXPERIENCE

You must hold a Ph.D. degree or equivalent in physics, biology, chemistry or a related discipline. Strong skills in X-ray diffraction, X-ray fluorescence, X-ray absorption spectroscopy, and/ or FTIR vibrational spectroscopy are essential. Previous experience on a synchrotron facility is an asset. Good communication skills are also essential to integrate into a multidisciplinary and international research team.

### OUR OFFER

**The working language of the ESRF is English.** For further information on employment terms and conditions, please refer to <http://www.esrf.fr/Jobs/Conditions>. The ESRF is an equal opportunity employer and encourages applications from disabled persons. Further information on the post can be obtained from Marine Cotte (tel.: +33 (0)4 76 88 21 27, email: [cotte@esrf.fr](mailto:cotte@esrf.fr)).

***Post-doctoral fellows are employed for an 18-month period with a possibility of extension to another 6 to 18 months. Only candidates holding a Ph.D. obtained less than 3 years ago are eligible for Post-doctoral positions.***

If you are interested, please send an e-mail ([recruitment@esrf.fr](mailto:recruitment@esrf.fr)) together with your CV and the application form, available [on http://www.esrf.fr/Jobs/Applying](http://www.esrf.fr/Jobs/Applying).

**Ref. PDID21 -2- Deadline for returning application forms: 28 February 2015**