



The ESRF is a multinational research institute, situated in Grenoble, France and financed by 20 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 Electronic Structure and Magnetism group is now seeking to recruit a:*

## Post-Doctoral Fellow (m/f)

### for High Brilliance X-Ray Spectroscopy on Beamline ID26

#### THE FUNCTION

**You will participate in ongoing in-house research programmes, the running of the beamline, providing support to external users as local contact, and develop your own research programme.**

The ESRF beamline ID26 is dedicated to X-ray absorption and emission spectroscopy. We study the electronic structure and local coordination in systems that are relevant in the applied sciences (materials science, coordination (bio)chemistry, (bio)catalysis, mineralogy and earth sciences). The beamline hosts unique instrumentation for advanced X-ray spectroscopies and thus provides state-of-the-art research possibilities. For further information about the instrument, please consult <http://www.esrf.fr/UsersAndScience/Experiments/ElectStructMagn/ID26/>. We collaborate with theory groups that develop codes for electronic structure calculations for X-ray spectroscopies. You will be encouraged and supported to develop your own research, which should exploit the exceptional beamline capabilities. Your research will concern the element-specific study of electronic structure. The exact topic of your research will be planned together with your supervisor taking into account your interests and previous experience. You will initiate and participate in collaborative research programmes with universities and research centres.

#### QUALIFICATIONS AND EXPERIENCE

You must hold a Ph.D. in Physics, Chemistry or a related field. Very good skills in instrumentation (e.g. X-ray instrumentation, *in-situ* cells, spectroscopy instrumentation ...) and previous research related to electronic structure analysis are essential.

#### OUR OFFER

**The working language of the ESRF is English.** Further information on the post can be obtained from Dr. Pieter Glatzel (tel.: +33 (0)4 76 88 29 68, email: [glatzel@esrf.fr](mailto:glatzel@esrf.fr)). 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.

***Contract of 18 months, renewable for a further 6 to 18 month-period. Only candidates holding a Ph.D. obtained less than 3 years ago are eligible for Post-doctoral positions.***

If you are interested in this position, please apply on-line at this address: <http://www.esrf.fr/Jobs>.

**Ref. PDID26-2 - Deadline for returning application forms:**

**5 May 2014**