EUROPEAN SYNCHROTRON RADIATION FACILITY
INSTALLATION EUROPEENNE DE RAYONNEMENT SYNCHROTRON

ESRF

The ESRF is a multinational research institute, situated in Grenoble, France and financed by 19 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:

Beamline Scientist (m/f)

or

Post-doctoral fellow (m/f)

for the ID08 soft X-ray beamline

FUNCTION

You will play a major role in the running and further scientific development of the ID08 beamline. The beamline's mission is to provide soft X-ray (400-1600eV) beams for electronic structure and magnetism studies in order to meet the high expectations of the user community. **User support will be a key activity which will provide much opportunity for collaborative work at the frontiers of the field**. **The beamline scientist/postdoctoral fellow should develop his own research programme exploiting ID08's unique possibilities.** The existing beamline will be replaced by a new soft x-ray beamline as part of the **ESRF Upgrade Programme**. This will take place mid-2013 allowing the scientist/postdoctoral fellow to contribute significantly to the new beamline and also be able to make use of it from early 2014. The new beamline will focus on state-of-the art **X-ray dichroism studies** with high magnetic fields and extensive sample preparation facilities and also on **very high energy resolution resonant inelastic X-ray scattering (RIXS)** experiments, with a new instrument at the fore-front of this expanding field. **Priority will be given to candidates interested in using resonant inelastic X-scattering techniques.**

QUALIFICATIONS AND EXPERIENCE

You should hold a PhD in chemistry, physics, or another closely related field. The successful candidate will be offered either a postdoctoral or scientist's contract based on their experience. For the scientist position, several years of postdoctoral experience are desirable. Experience with X-ray scattering and/or x-ray absorption, other similar experimental techniques or complementary methods would be desirable. **Candidates with a background in inelastic neutron scattering or other energy loss techniques are encouraged to apply.**
The following qualities are essential:

- good time management skills and ability to prioritize
- ability to interact with staff and facility users at all levels
- ability to work as part of a multi-disciplinary team.

OUR OFFER

The working language of the ESRF is English. Further information on the post can be obtained from Nick Brookes (tel.: +33 (0)4 76 88 24 39, email: brookes@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.

Appointments are for a fixed period of up to 5 years for scientist positions or up to 3 years for postdoctoral fellows.

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

Ref. PDSCID08 - Deadline for returning application forms: 18 June 2012

ESRF, Personnel Service - Recruitment
BP 220, F-38043 Grenoble Cedex 9, FRANCE