

Post-doctoral Fellow (m/f) in Chemistry at SNBL's BM31

Context & Job description

The Swiss Norwegian Beam Lines at the European Synchrotron Radiation facility (SNBL at ESRF) provide scientists from both Norway and Switzerland with access to synchrotron radiation on two beamlines BM01 and BM31. SNBL operates around the clock state-of-the-art, custom-designed instrumentation for x-ray scattering and absorption experiments.

The successful candidate will complement a group of scientists operating the beam lines. Within this team, the candidate will be expected to participate in the operation of SNBL's combined XAFS, diffraction and total scattering station. The beamline provides state of the art ancillary equipment in the field of *operando* heterogeneous catalysis and battery related studies as well as a pool of highly specialized sample environments for e.g. gas loading and temperature dependent studies.

Your mission includes:

- Supporting visiting user teams as a local contact
- Develop his/her own research program
- Contribute to the continuous technical upgrades and development of the beamline in collaboration with other staff members

Expected profile:

- PhD in chemistry, catalysis, chemical engineering or materials science
- Experience in chemical crystallography, X-ray diffraction and total scattering
- Interest in instrumental (*operando* and *in-situ*) hardware development
- Experience with other experimental X-ray techniques, such as EXAFS is a strong asset
- Previous experience on a synchrotron facility is an asset
- 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)

Post-doctoral fellows will be employed for an eighteen-month period, renewable once and the contract should start soon as possible. The deadline for applications is 18th of January 2021. Contract type: Non-permanent contract (CDD). The working language of the ESRF is English. To apply for the position, send an application including curriculum vitae and publication list, and arrange for at least two letters of recommendation to be sent to Dr. Wouter van Beek SNBL / ESRF, 71, avenue des Martyrs CS 40220, 38043 Grenoble France (E-mail: wouter@esrf.fr. Website: www.snbl.eu).