



Swiss-Norwegian Beam Lines
at ESRF

Mechanical and Instrumentation Technician at SNBL

Context & Job description

The Swiss Norwegian Beam Lines at the European Synchrotron Radiation facility (SNBL at ESRF) provide scientists from both Norway and Switzerland access to synchrotron radiation. SNBL operates around the clock state-of-the-art, custom-designed instrumentation for x-ray scattering and absorption experiments. Typically the samples that are being studied are subjected to external stimuli such as temperature, gas or liquid flows and pressures.

As “all-round” technician, you will be deeply involved in many of the technical aspects associated with the operation, development and maintenance of the SNBL.

Your mission includes:

- Participation in the mechanical design and upgrades of new and existing scientific instruments including sample environmental cells
- Provide technical assistance to the beamlines operation and user service
- Keeping track and performing regular maintenance on the beamlines
- Operate, organize and maintain the SNBL workshop

Expected profile

- You should hold a technician degree (BSc, Licence, HND, HNC, BTS, DUT, Bachelor, Meister, Vordiplom, Perito, Laurea Triennale, Diplomatura, Ingeniería Técnica or equivalent through experience) in mechanics or scientific instrumentation
- At least 5 years of professional experience
- Ability to produce complex SolidWorks 3D models and technical drawings
- Ability to machine simple mechanical pieces on lathe and CNC milling machine
- Knowledge and/or experience in precision mechanics and scientific instrumentation
- Knowledge and/or experience in ultra- high vacuum, instrument control, electronics, and 3d printing will be strong assets but is not mandatory
- Ability to work and communicate fluently in an English speaking international environment

The technician will be employed on a permanent contract and should start as soon as possible. The deadline for applications is 18th of January 2021. To apply for the position, please send your application letter and curriculum vitae 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)