



Laboratory Technician for the Structural Biology Lab - call for applicants with disability pursuant to article 1 of Italian law no. 68/1999

Deadline: 31 October 2024

Ref: DA/24/45

Background

Elettra Sincrotrone Trieste is an international multidisciplinary research center operated as a user facility, featuring a 2.0/2.4 GeV, third-generation synchrotron light source (Elettra), a new free-electron laser light source (FERMI) and a variety of support laboratories. The extremely high quality of the machines and beamlines has set new performance records and has been producing results of great scientific and technological interest. In order to allow the laboratory to remain competitive in the next 20 years, an entirely new source - Elettra 2.0 - belonging to the new generation of storage rings (DLSR or Diffraction Limited Storage Ring) is being developed. The new source will exhibit a major increase in the brilliance and coherence fraction of the photon beams. The Elettra 2.0 optics is based on our enhanced symmetric six bend achromat structure (S6BA-E) with a 12-fold symmetry and an emittance of 200 pm-rad at 2.4 GeV. The new structure creates also straight sections in the arcs permitting the installation of additional insertion devices, thus increasing the number of beamlines. Existing beamlines will have to be upgraded and new beamlines developed to take full advantage of the characteristics of Elettra 2.0. The new machine is scheduled for commissioning in the second half of 2026. See <http://www.elettra.eu> for more information.

Beamline/Activity/Project description

The Structural Biology Laboratory (SBL) at Elettra Sincrotrone Trieste is organized as a User Support Laboratory. It employs molecular biology, biochemical, biophysical, and structural biology tools to study the atomic architecture of proteins and protein complexes. In addition to external users of Elettra and FERMI, SBL supports two main in-house research groups:

- RU1: Structural biology of DNA helicases and DNA/RNA-binding proteins.
- RU2: Protein Targets for Drug Discovery.

External users and the members of the RU1 and RU2 groups, led by their Principal Investigators, use shared infrastructures and cutting-edge instrumentation. SBL has recently undergone significant upgrades, enhancing its protein production, biophysical characterization, and crystallization workflows. New instrumentation has been implemented to ensure high-purity sample preparation and highly automated crystallization set-ups.

Job description

The successful candidate will join the Structural Biology Laboratory staff as a Lab Technician, under the supervision of the Lab Manager. She/he is expected to contribute to the success of the activities of both external users and in-house research groups. Key responsibilities include:

- Maintaining laboratory equipment, reagents, and materials.
- Managing relations with technical specialists and vendors, overseeing the entire purchasing process for consumables and new instrumentation, and coordinating storage and installation.
- Ensuring that the lab environment remains safe, clean, and organized.
- Assisting and providing training to lab users in good laboratory practices and the proper use of common equipment.
- Collaborating with other groups and units, such as purchasing or infrastructure teams, maintaining communication and coordination with colleagues.

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Società di interesse nazionale
ai sensi dell'art. 10, comma 4,
L. 19 ottobre 1999 n. 370





Qualifications

A technical diploma with a solid understanding of the processes and requirements of a structural biology laboratory is required, together with practical and theoretical experience with laboratory instrumentation. Previous experience as a lab technician in a similar biology laboratory is also required.

Deep knowledge of chromatographic techniques would be considered a plus.

Understanding of purchasing procedures in an Italian public institution is desired.

Good written and verbal communication skills in English are essential; a working knowledge of Italian is desirable.

Strong time management skills, flexibility, versatility, and the ability to prioritize tasks are expected, together with the ability to work effectively in a multidisciplinary team.

General information

The candidate must fulfil the requirements laid down in art. 1 of Law 68/1999, referring to disability conditions, which give the right to access the recruitment system through targeted placement ("Collocamento mirato").

The appointment envisioned is a permanent position, with level and salary commensurate with the qualifications and previous experience of the candidate. A trial period is expected as per "CCNL Industria metalmeccanica e della installazione di impianti".

Applications should include a full curriculum vitae (preferably using the European Curriculum Vitae Format in PDF) signed by the applicant, with the names and contact information (including electronic mail) of at least two professional references.

The ranking of eligible candidates resulting from this selection procedure may be used for additional appointments within the following 24 months.

The interviews may be held via video conferencing.

The deadline for the submission of the application is October 31, 2024.

Permanent employees of Elettra Sincrotrone Trieste S.C.p.A. and employees or former employees of any Italian Public Entity who have exercised authority over Elettra Sincrotrone Trieste S.C.p.A. or have negotiated with Elettra - Sincrotrone Trieste S.C.p.A. within the last three years will be excluded from the present selection procedure, in accordance with the provisions of article 21 of the Italian legislative decree no. 39/2013 and in conjunction with article 53 (subsection 16ter) of Italian legislative decree no. 165/2001. We thank all applicants in advance.

For more information, please contact Lisa Vaccari (email: lisa.vaccari@elettra.eu).

To apply for this position please visit the following link:

<https://www.elettra.trieste.it/it/about/careers/working-withus.html?id=4218>

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