



Elettra Sincrotrone Trieste

Protein Biotechnology Research Associate at Elettra

Deadline: 15 January 2021

Ref: DA/20/46

Company description

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. See <http://www.elettra.eu> for more information.

Beamline/Activity/Project description

The Structural Biology Laboratory (SBL) applies biotechnology and structural biology tools to study the basic genetic processes within the cell and to characterize some of the proteins involved. We use protein crystallography to determine the atomic structure of these proteins, as well as biochemical and biophysical approaches to understand how they work. The Protein Facility is an ancillary unit of the SBL, specialised in recombinant protein expression, purification, and biochemical/biophysical characterization, which supports researchers from public and private laboratories and offers dedicated services to industrial clients. Most of the projects are in partnership with external laboratories and the activities are conducted in a multidisciplinary environment with an open and teamwork attitude. See <http://www.elettra.trieste.it/labs/structural-biology> for more information. The Protein facility works in close collaboration with the Elettra beamlines to enable critical experiments and provide technical and scientific help to external users and clients.

Job description

The successful candidate will join the Protein Facility staff to work on industrially-oriented services that will require production of pure recombinant proteins using bacterial, insect and mammalian expression systems and perform functional/structural characterization of the obtained proteins also in complex with ligands. He/she will be directly involved in the entire process, including the initial experimental design, protocol execution, instrument maintenance and calibration, and final data collection and analysis. In addition, he/she will prepare all of the documentation related to the research, including scientific reports, presentations of the progress updates and the final results.

Qualifications

A Master or PhD Degree in biology, pharmacy, medicinal chemistry, chemistry or related disciplines is required with at least 5 years of relevant experience in biological research, preferably in industrial R&D environment. Experience in molecular biology techniques and recombinant protein over-expression in insect cell or mammalian cells are essential. Expertise in protein purification, sample quality control, assay development and R&D of bio-pharmaceutical products are desirable. Knowledge in protein characterization, binding assay and protein crystallization will be considered as a plus.

The successful candidate is expected to be independent in the performance of the assigned activities and proactive in evaluating/optimizing the process.

Good oral and written communication skills in English are essential.

The appointment is a fixed term contract with expiration date of October 31, 2021. The salary will be commensurate with the previous experience and qualifications of the candidates.

Applications should include a full curriculum vitae, the names and contact information (including electronic mail) of at least two, and possibly three references.

The deadline for the submission of the application is January 15, 2021.

Elettra - Sincrotrone Trieste S.C.p.A.

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

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Due to the situation related to the COVID-19 virus, the interviews will be performed through video conferencing.

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, 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.

We thank all applicants in advance.

For more information, please contact Paola Storici (email: paola.storici@elettra.eu).

To apply for this position please visit the following link:

<https://www.elettra.trieste.it/it/about/careers/working-withus.html?id=1664>

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