

VACANCY NOTICE

POST TITLE: Scientist in Protein Biochemistry

JOB LOCATION: Area Science Park, ss.14 km 163, Ed.Q1, Basovizza- TRIESTE, Italy

DATE POSTED: 01/02/2019

UNPOSTING DATE: ongoing

JOB LEVEL: experienced

JOB TIPE: contract

Position Overview:

Rottapharm Biotech Srl is looking for a Protein Scientist to join the Biotherapeutics Discovery group. The successful candidate, as part of a small team of interdisciplinary scientists, will play an integral role generating therapeutic candidates from the company discovery programs and demonstrate a good understanding of technologies required for developing proprietary biotherapeutics.

We are looking for candidates who are **fully independent and competent** in the following skill sets:

- **Molecular Biology** (DNA manipulation techniques and use of VNTI and/or other DNA analysis software).
- **Protein Expression** in E. Coli and Mammalian cell systems.
- **Protein Purification** (Affinity, Ion Exchange, Hydrophobic Interaction Chromatography, Size Exclusion Chromatography, Analytical SEC, UV-Vis spectroscopy, protein refolding techniques and extensive working knowledge of AKTA purification platforms and associated software).
- **Protein Analysis** (SDS-PAGE, IEF, FPLC, HPLC, IP, DSF, ELISA, Western blotting).
- **Molecular Modeling and Structure-based Analysis of proteins.** Application of computational strategies to guide the design of biotherapeutics with improved biological properties and developability characteristics.
 - Collaborate with protein engineers and other scientists to support structure- and property-based design of therapeutic proteins and antibodies.
 - Apply computational tools for predicting liabilities and biophysical properties that impact in vivo pharmacokinetics and manufacturability.
 - Apply sequence analysis, structure modeling, and molecular dynamics approaches to analyse and predict biophysical properties and other structure-property relationships.

Responsibilities

- You will lead a small group of protein scientists
- You will be responsible for expressing and purifying high-quality recombinant protein reagents to support Rottapharm Biotech's drug discovery platforms for a variety of therapeutic projects.
- You will use your excellent practical skills, communication and team working abilities to drive innovative projects forward from the laboratory.
- You will keep up to date with literature and public databases (PDB, NCBI) and demonstrate scientific knowledge in the design and execution of value-adding experiments.
- You will be responsible for clearly presenting work and engaging in discussion in a variety of cross-functional and external collaborator meetings.
- You will also be responsible for ensuring that lab processes run smoothly within the group.

Basic Qualifications

- Doctorate degree with more than 4 years of post-doctoral scientific experience.
- Proficiency with Microsoft Office applications and instrument specific software.
- Must possess a strong work ethic, attention to detail, and excellent problem-solving skills.
- Excellent communication skills (Italian and English).
- Strong project leadership and resource management skills.
- Demonstrated experience in the evaluation of engineered proteins through biochemical and biophysical analysis.
- Proficient in Structure-based analysis of proteins.
- Knowledge of state-of-the-art protein biochemistry techniques.
- A highly motivated individual with a proven ability to deliver to tight timelines.
- A team player, with good organisational, communication, record keeping and inter-personal skills.
- Possess an inquisitive and inventive nature and a passion for discovering innovative new drugs for patients suffering with serious disease.

Preferred Qualifications

- Ph.D. degree with a focus on Protein Biochemistry or related area.
- Ph.D. and postdoc from a leading institution or biotechnology company.
- Experience in working with monoclonal antibody and recombinant proteins is preferred, with demonstrated expertise in upstream and/or downstream process development and analytical expertise is a bonus.
- Proven track record of academic accomplishments (i.e., peer-reviewed publications and/or patents).
- Hands on experience with Biacore/Octet or microITC instruments is highly desired.

The application should be addressed to:
Dr. Michela Visintin (enclosing up-to-date curriculum vitae)
Area Science Park, ss.14 km 163, Ed.Q1, 34149 Trieste- ITALY
michela.visintin@rottapharmbiotech.com