

Cryo-EM Specialist - Structural Biology

Job ID
REQ-10059825

9月 02, 2025

Switzerland

摘要

ROLE LOCATION: Basel, Switzerland
ROLE Type: Full-time Onsite, #LI-onsite

We are currently recruiting a Principal Scientist with a strong background in Cryo-Electron Microscopy (Cryo-EM) (Cryo-EM) to join our team in Basel, Switzerland. This position offers a unique opportunity to contribute to a dynamic and collaborative research environment.

The ideal candidate will bring scientific curiosity, strong motivation and a collaborative mindset, along with excellent organizational and communication skills.

About the Role

Job Purpose

Biomedical Research at Novartis is committed to pioneering innovative approaches that lead to transformative therapies for patients. The Discovery Sciences department at Novartis plays a critical role in early-stage drug discovery, driving the development of novel therapeutics to address complex and challenging disease targets.

Within Discovery Sciences, the Protein Sciences group is a collaborative team of experts dedicated to producing and characterizing proteins using biophysics, NMR, X-ray crystallography and Cryo-Electron Microscopy (Cryo-EM). These efforts enable target-based drug discovery and support the identification of promising therapeutic candidates.

Your responsibilities will include:

- Perform day-to-day operations within the EM group from maintaining and operating high-end electron microscopy to structure determination, modeling and interpretation of biologically and therapeutically relevant targets.
- Collaborate closely within the Protein Sciences group and cryo-EM colleagues at Novartis globally.
- Stay up to date with the latest developments in cryo-EM technologies.
- Mentor and train new users in EM techniques and best practices.
- Maintain detailed records of experiments, instrument logs, and maintenance activities.

Minimum requirements

- Ph.D. in a relevant scientific discipline with 5 years experience or equivalent relevant research experience in an academic setting and/or in the pharmaceutical/biotech sector
- Strong background in cryo-EM techniques including sample preparation, single-particle analysis, and modeling.
- Excellent communication and presentation skills in oral and written English, German and/or French.

Desirable Requirements:

- Proficiency in scripting and automated processing workflows.
- Ability to troubleshoot and optimize cryo-EM data pipelines for single-particle analysis.
- Familiarity with AI-based tools for construct design.
- Experience with expression, purification and modification of a range of protein targets.
- Experience in cryo-electron tomography and dual-beam scanning electron microscopy.

Why Novartis?:

Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this

mission and join us! Learn more here: <https://www.novartis.com/about/strategy/people-and-culture>

You ' ll receive:

You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. <https://www.novartis.com/careers/benefits-rewards>

Commitment to Diversity and Inclusion:

Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here: <https://talentnetwork.novartis.com/network>

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients ' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

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部门

Biomedical Research

Business Unit

Pharma Research

地点
Switzerland

站点
Basel (City)

Company / Legal Entity
C028 (FCRS = CH028) Novartis Pharma AG

Functional Area
Research & Development

Job Type
Full time

Employment Type
Regular

Shift Work
No

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