NOVARTIS

Principal Scientist/Senior Scientist, Cryo-EM Structural Biology

Job ID
REQ-10091286
Nov 03, 2026
LOC_CH

About the Role

Key Responsibilities:

- Contribute experimentally and scientifically to early drug-discovery projects within multidisciplinary teams.
- Prepare biological samples for Cryo-EM, including data collection, processing, structural determination, and model building.
- Apply current Cryo-EM technologies and methodologies to generate high-quality structural insights for drug discovery.
- Collaborate closely with laboratory associates, providing mentoring and technical training within a matrix environment.
- Maintain accurate experimental records, scientific documentation, and instrument logs to support data quality and reproducibility.
- Communicate structural biology findings through internal and external presentations and scientific publications.

Essential Requirements:

- PhD in a relevant scientific discipline with at least five years of research experience, or an equivalent combination of training and experience.
- Deep expertise in Cryo-EM, including sample preparation, single-particle analysis, structure determination, model building, and structural interpretation.
- Hands-on experience operating high-end cryo-transmission electron microscopes.
- Demonstrated experience in the expression and purification of a range of protein targets.
- Excellent written and spoken English, with strong scientific communication and presentation skills.
- Strong analytical skills, attention to detail, and a collaborative approach to working within multidisciplinary scientific teams.

Desirable Requirements:

- Experience troubleshooting and optimizing experimental and data-processing workflows for single-particle analysis and cryo-electron tomography.
- Familiarity with artificial intelligence-based and computational tools for protein construct design and optimization.
- Experience characterizing protein-ligand interactions.
- Hands-on experience with single-particle analysis, cryo-electron tomography, and dual-beam scanning electron microscopy.

Why Novartis:

At Novartis, you will join a collaborative Protein Sciences team applying complementary technologies, including biophysics, Nuclear Magnetic Resonance spectroscopy, X-ray crystallography, and Cryo-Electron Microscopy, to advance target-based drug discovery and novel therapeutic candidates.

Benefits & Rewards:

At Novartis, we’re committed to reimagining medicine together - and rewarding the people who make it happen.

Expected Annual Base Salary Range for role: 93,800.00 - 174,200.00 CHF

The base salary offered is determined based on gender-neutral objectives, such as relevant skills, competencies and experience in accordance with the Novartis pay setting policy and upon joining Novartis will be reviewed periodically.

In addition to your base salary, you may be eligible for a performance-based bonus depending on certain performance parameters.

The rewards of being part of our team go far beyond base pay and incentives.

We also offer a variety of competitive benefits in kind to help you thrive personally and professionally, such as insurance plans, retirement plans, wellbeing resources and global recognition programs. In addition, we provide flexible and hybrid working options, where possible, and minimum 14 weeks paid parental leave.

Read our brochure to learn more about our global total rewards offering:

https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf

Note: Benefits and compensation may vary by country and are subject to local legal requirements, including provisions of collective bargaining agreements where applicable. A full overview of your compensation package, including any relevant collective bargaining agreement details applicable to your role based on your employment location and Novartis employer entity, will be communicated separately to you during the application process.

Commitment to Diversity and Inclusion / EEO paragraph:

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

Role Requirements

Primary location salary range
CHF93,800.00 - CHF174,200.00
Division
DIV_RE
Business Unit
Research
Location
LOC_CH
Site
Basel (City)
Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG
Functional Area
FCT_RD
Job Type
Full time
Employment Type
Regular
Shift Work
No
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