

Senior Scientist I/II, Structural Biologics

Job ID
REQ-10022926
Oct 01, 2024
USA

Summary

Position is onsite in San Diego, CA
LI #onsite

The Biologics Research Center, Structural Biologics department is looking for a highly motivated Senior Scientist to support experimental structural biology across multiple biotherapeutic programs. The ideal candidate will have hands-on experience in all aspects of the gene to structure pipeline including the acquisition and interpretation of structural biology data from X-ray crystallography and/or CryoEM. The candidate will be part of multidisciplinary teams that support early to late stage biotherapeutic drug discovery programs by providing structural data and protein engineering support. They will use their experience in the gene-to-structure pipeline to address the challenges of high-resolution structure determination to support the design of novel biotherapeutics capable of addressing the next generation of biomedical applications

About the Role

Your Responsibilities include, but are not limited to:

- Design, troubleshooting and execution of experiments to determine the structure of multi-protein complexes by X-ray crystallography or CryoEM with an aim to support the design and development of novel biotherapeutics.
- Working closely across experimental and computational groups to address key scientific questions.
- Communication of results to multidisciplinary teams across the larger Novartis research organization.
- Prioritization, coordination and efficient time management of experimental deliverables.
- Mentor junior scientists, fostering a culture of innovation, collaboration, and scientific excellence. Contribute to overall strategy in the structural biology group.
- Awareness of the external technology landscape and its application to biotherapeutic drug development.
- Participation as key member of drug discovery and technology project teams with accountability within the project for own area of expertise.

What you'll bring to the role:

This is a dual posting. The final level & title of the offer role would be determined by the hiring team based on the skills; experience & capabilities required to perform the role at the level the role has been offered (Senior Scientist I /Senior Scientist II)

- PhD (BSc/MSc with equivalent experience) degree in biophysics, biochemistry, or related discipline with a proven record in experimental structural biology.
- Minimum 3 years' experience in common protein purification methods (Affinity, IMAC, SEC) and

molecular biology techniques (cloning, DNA isolation, transformation, etc.)

- Demonstrated independent thought/creativity in science with attention to details.
- Proven ability in structural biology methods (either X-ray crystallography and or CryoEM) including protein crystallization, crystal optimization, CryoEM sample and grid preparation, data acquisition, map generation and structure solution.
- Demonstrated problem-solving capability for challenging structural biology projects, with expertise in developing protocols for dealing with novel protein targets.
- High degree of self-motivation and attention to detail.
- Strong organizational and time management skills.
- Desire to learn/operate across numerous functions (expression, purification, analytics, structural biology, and computational modelling).

Desired Requirements:

- Experience with using AI-based techniques to facilitate protein construct design, engineering and protein structure prediction is preferred
- Familiarity with analytical and biophysical methods (light scattering, ITC, DSC, LCMS, anSEC, etc.) and laboratory automation is highly desirable.

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?

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Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between \$92,800-\$139,200/year for a Senior Scientist I and \$102,400-\$153,600/year for a Senior Scientist II; *however, while salary ranges are effective from 1/1/24 through 12/31/24, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities.* The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an "at-will position" and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

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Division

Biomedical Research

Business Unit

Pharma Research

Location

USA

Site

San Diego

Company / Legal Entity

U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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