

Principal Scientist - Covalency & Exploratory Chemical Biology

Job ID
REQ-10018705

Aug 15, 2024

USA

Summary

85% of the proteome is currently undrugged. You can join the effort to tackle a longstanding challenge in early drug discovery by identifying covalent small molecules that modulate the activity of these so far undrugged targets and pathways to positively impact human health. We are currently looking for a motivated and creative Principal Scientist to join an interdisciplinary team that combines chemical biology, covalent drug discovery, mass spectrometry, cell biology, and informatics technologies to tackle this challenge.

About the Role

Internal Position Title: Principal Scientist I

Position location: Cambridge, MA, onsite

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Key Responsibilities:

- proposing, designing, and evaluating novel assays and chemotypes to tackle longstanding challenges in covalent ligand discovery
- effective communication and collaboration as a critical member of multi-disciplinary project teams in early stage drug discovery and covalency-enabled exploration of new modalities
- biochemical, biophysical, and cellular characterization of protein-ligand interactions, including MS-based characterization of covalent adducts on proteins
- medium-to-high throughput compound screening

Essential Requirements:

- PhD in Chemical Biology, Chemistry, Biochemistry, or Biological Science with at least 2 years of related postdoctoral and/or industry experience.
- A background in covalent ligand discovery with an emphasis in biophysics or cellular studies and a working knowledge of organic chemistry.
- Knowledge of the concepts governing compound binding affinity and reactivity, kinetics, and selectivity as well as experience with design and application of affinity- and reactivity-based chemical probes
- The ability to work collaboratively, with autonomy, and thrive in a multitasking environment
- Fluent English (spoken and written).

Desired Requirements:

- Experience with covalent chemoproteomics principles and data

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Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between \$112,800 to \$169,200/year; 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
Cambridge (USA)

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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