

# 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

### About the Role:

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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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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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