

Discovery Scientist I/II/III – Biochemistry, Chemical Biology

Job Description

The company: NextCure is a clinical-stage biopharmaceutical company committed to discovering and developing novel, first-in-class immunomedicines that restore immune function. The NextCure Discovery Department employs multiple function-based approaches to identify and validate molecules with novel immune function for advancing in NextCure's exclusive therapeutic pipeline.

Who are you? You are a highly motivated, industry-experienced PhD Scientist with a strong background in biochemistry and cellular biology, and a working knowledge of immunology. You will develop and utilize methodologies to identify and validate functional protein-protein interactions for orphan targets identified by our functional screening platforms. You will play a key role in defining the mechanism of action of novel immunomodulatory proteins and validating candidate therapeutic agents.

The opportunity to make difference: The selected candidate will work in a highly innovative, dynamic, proactive, multidisciplinary environment, and play a significant role in rapidly advancing first-in-class cancer immunomedicines to the clinic. The candidate will have an unique opportunity to work with a team of leading experts and utilize cutting-edge technology/instrumentation.

Responsibilities

- Design and perform novel assays to isolate and characterize ligand/receptor interactions and protein complexes in the plasma membrane, intracellular and extracellular space
- Develop techniques such as crosslinking-mediated pull-down, tyramide-mediated proximity-labeling, and BioID/Air-ID-mediated proximity-labeling to screen for novel protein interactions
- Develop and implement techniques to validate binding interactions
- Coordinate with NextCure team members to validate the function of novel protein interactions
- Coordinate and prioritize tasks across multiple projects
- Communicate scientific results and conclusions in written reports and oral presentations

Required education and experience

- PhD in Biochemistry, Chemical Biology, Cellular Biology, or related field
- Extensive experience in biochemical and protein chemistry techniques (protein IP and crosslinking, proximity-labeling, gel electrophoretic and Western analyses)
- Proficiency in DNA cloning/molecular biology and cell culture
- Skilled in approaches to validate binding interactions such as ELISA, OCTET, SPR and FRET
- Experience with collecting and interpreting mass spectrometry-based proteomics data

Qualifications

- Demonstrated ability to investigate and incorporate new techniques and instrumentation
- Outstanding project management, organizational and multi-tasking skills
- Strong written and oral communication skills, and ability to work in matrix team environment

NextCure is an Equal Opportunity Employer and offers a competitive salary and benefits package in a scientifically engaged work environment.



Qualified candidates should email their resume to info@nextcure.com.