



Scientist [Biophysicist], Canton, MA

Job Summary

We are seeking a biophysicist/protein biochemist to join our structure based drug discovery start-up at our Canton, MA facility. The successful candidate will support a number of discovery projects leveraging biochemical and biophysical techniques.

Applicants should have an exceptionally strong background in protein biochemistry, experience with designing and conducting discovery assays and most importantly, proficiency with various biophysical techniques to measure drug-ligand interactions. The ideal candidate will have broad technical knowledge, strong communication skills and exemplary attention to detail. This position will have the opportunity to become an integral part of an exciting, startup company and make significant scientific contributions to high value drug development projects.

Orthogon Therapeutics is a drug discovery company focused on developing treatments for a range of disease areas. We are developing a pipeline of preclinical assets utilizing best-in-class technologies and top-tier academic partners around the world. The company is founded by experienced entrepreneurs who have started and built successful drug companies before.

In 2015, Orthogon quietly closed a Series-A financing to fund the development of a fully integrated drug discovery company from the ground up. Our investors exemplify our philosophy of building long term value by delivering therapeutics that will improve the standard of care for patients. We are seeking an energetic, motivated and ambitious scientist to join our growing team and become part of our vision.

Responsibilities:

- Design, implement and execute biophysical and biochemical screening assays to identify, and characterize drug hits
- Validate and profile hits for parameters such as affinity, specificity, ligand efficiency etc.
- Perform *in vitro* mechanism of action studies
- As a multi-talented and versatile resource, work closely with structural biology, medicinal chemistry and other groups within the company to support aggressive project deliverables and timelines
- Participate in project planning and operational activities alongside company management

Education and Experience:

- Ph.D. in a relevant discipline (biochemistry, biophysics, chemical biology) with 0-4 years of experience or M.S. with 4-8 years of experience in a drug discovery setting
- Hands-on experience with implementing high/mid-throughput screening assays

- Hands-on experience utilizing tools and techniques such as Isothermal Titration Calorimetry (ITC), Dynamic Scanning Fluorimetry (DSF), Surface Plasmon Resonance (SPR) etc.
- Solid knowledge of and high proficiency with protein expression, purification and characterization (E. coli, baculovirus, mammalian systems)
- Experience studying protein-protein and/or protein-small molecule complexes

Other Job requirements

- Ability to plan and troubleshoot experiments independently
- Capable of synthesizing scientific presentations and communicate effectively with internal and external parties
- Must be comfortable working in a fast-paced and dynamic environment; able to handle a variety of tasks, efficiently solve problems, and shift priorities rapidly
- Strong preference will be given to candidates that have previously collaborated with structural biology and medicinal chemistry teams.
- Ability to work with molecular modeling and computational screening software will be a plus
- US citizen or Green card holder

We offer competitive compensation and the potential to become part of a revolutionary startup. Qualified candidates should send a resume and cover letter to info@orthogontherapeutics.com