

Investigator, Medicinal Chemistry

Silicon Therapeutics

Job description:

Silicon Therapeutics is an integrated computational drug discovery company focused on developing novel medicines for diseases with targets that are currently considered to be challenging for traditional approaches. Our INSITE platform closely represents the real dynamical nature of targets using accurate all-atom simulations, enabling us to design and optimize compounds for targets that were previously considered "undruggable." We foster a collaborative, respectful, and flexible work environment that allows individuals to thrive. Our supportive and open work environment enhances synergies among individuals, thereby maximizing the quality and efficiency of our efforts. We embrace diversity and value different perspectives, ideas, and identities of everyone on the team.

Our discovery team is seeking a highly skilled and motivated medicinal chemist. The successful candidate will be a full-time member of the chemistry laboratory team who will work with the chemistry program leads on the synthesis and characterization of bioactive small molecules. In addition to the primary role as bench chemist, the candidate will be an important component of a fast-paced, integrated research environment and will be responsible for interfacing with biology, computational and external teams.

Your Role

- Design, plan and execute multi-step organic syntheses, purification and characterization of small molecules
- Stay abreast of new developments in the medicinal chemistry and patent literature and identify potential applications, which can positively impact the progress of a program
- Together with computational and biology teams, develop hypotheses for improving the drug-likeness of chemical matter and advancing compounds through the development path
- Enumerate and manage virtual compounds for simulations and computational analysis
- Assist with the management of external research partners (CROs) by communicating with project leads and reviewing materials for accuracy and quality
- Prepare technical documents including presentations (internal and external), reports, publications and patents
- Carefully document research activity in laboratory notebooks and company databases; characterize synthesized compounds
- Comply with all laboratory regulations and safety standards set forth by the company and associated regulatory bodies

Who You Are

- PhD in medicinal chemistry or chemistry with 2+ years of relevant industrial and/or post-doctoral experience
- Expertise and creativity in organic synthesis as demonstrated through high-quality publications in complex molecule synthesis and/or methodology development
- Expert in small molecule structural analysis including application of 2D-NMR techniques
- Research experience working within highly collaborative multi-disciplinary research projects

- Familiarity with drug discovery disciplines including hit identification, fundamental biology and biochemistry, and ADMET characterization
- Exhibits excellent written and oral communication skills
- Ability to work independently and respond to a fast-paced, team environment
- Proficient with Reaxys, Chemdraw and other chemistry-related software; experience with data and protein structure visualization tools is a plus

Apply online at www.silicontx.com/careers/