Posting Title

PhD Organic Chemist (Synthetic Chemistry/Medicinal Chemistry/Chemical Biology)

Job Description

Novartis is seeking innovative and self-motivated chemists for Investigator positions within the Global Discovery Chemistry department located at our Cambridge, MA and Emeryville, CA sites. A successful candidate will work on discovering novel therapeutics and lifesaving medicines while building their career.

Primary Responsibilities

Major responsibilities will include, but are not limited to the:

Application of the best modalities (small molecule, natural product, peptide, RNA, DNA, bioconjugate, protein, materials) and techniques (synthesis, purification, chemical biology, informatics) in the independent design, synthesis, and characterization of bioactive molecules towards a wide range of therapeutic targets.

Interpretation and optimization of structure activity relationships of chemical/molecular entities for desirable characteristics (potency, selectivity, physicochemical properties, pharmacokinetics, in vivo efficacy and safety).

Collaboration and engagement with a broad group of scientists within Novartis, and with external collaborators. As part of our global team you’ll have the opportunity to work in a multi-disciplinary environment making contributions across the scope of pre-clinical drug discovery and development.

Investigators may also have roles in areas including chemical genetics, target identification, biosynthesis, chemical scale-up and reaction optimization.
An investigator will be expected to be able to supervise the research and professional development of junior research associates.

A successful candidate should also expect to participate in national and international scientific meetings.

**Minimum requirements**

Ph.D. in organic chemistry, medicinal chemistry, or chemical biology with 0-3 years of industry experience.

Be team-oriented, collaborative and self-motivated.

A demonstrated record of innovation and productivity as evident by publications, patents and/or presentations.

Excellent communication skills (oral and written).

Flexibility to work in a dynamic, fast-paced work environment.

Broad knowledge of contemporary synthetic organic methodologies and/or chemical biology techniques.

Have experience with multi-step synthesis, analytical characterization, and purification of new chemical/molecular entities.

Experience advising research associates in the execution of laboratory experiments is a plus.

The understanding of modern structure-based drug design, medicinal chemistry principles, multi-step and parallel synthesis, and biological systems and pathways is a plus.