

Job Description

Research Associate (Medicinal/Organic Chemistry)

Position Summary

Under the supervision of a senior scientific staff member, will have responsibility to perform synthesis and characterization of small molecules to support the company's internal and collaborative drug discovery and development efforts. Assume additional responsibilities related to R & D activities as may be assigned by supervisor and senior management.

Responsibilities

- Perform multi-step synthesis (3-5 steps) of fragments and building blocks to be incorporated into target molecules (gram to kilogram scale)
- Execute multi-step synthesis (7-16 steps) of new molecules, including macrocycles, and analogues of lead candidates (milligram to gram scale) individually or in a library format utilizing solid or solution phase methods
- Purification (flash chromatography, HPLC, crystallization, distillation) and analytical characterization (NMR, IR, LC-MS) of aforementioned molecules and fragments
- Research and design of synthetic routes for construction of target molecules
- Development of route optimization schemes to permit larger scale synthesis of molecules and fragments
- Assist in the development of new synthetic processes and improvement of existing procedures to support advanced compound development.
- Synthetic procedure preparation, presentation of results internally and externally
- Planning work and completion of tasks on schedule
- Maintain up-to-date records for all work performed and ensure a safe workplace
- Comply with all applicable laboratory safety and operational regulations and procedures

Qualifications

- M.Sc. in Chemistry with a concentration in organic synthesis, preferably including experience with multi-step organic synthesis, or B.Sc. with five or more years relevant experience
- Very good knowledge of organic chemistry and proven competence in usual laboratory techniques, as well as knowledge of modern spectroscopic methods (NMR, MS, IR, UV) and separation and analysis methods (normal and reverse phase chromatography, HPLC)

- Ability to work in a dynamic environment, flexibility
- Dedication, attention to detail, ability to work in an interdependent team
- Excellent interpersonal skills and good organizational skills, as well as the ability to interact effectively within a team
- Demonstrate a high level of responsibility, reliability and an excellent sense of organization and time management
- Good oral and written communication skills
- Very good computer proficiency including standard office programs and use of chemical structure drawing programs, experience with electronic laboratory notebook software a plus