

Job Description

Senior Research Associate, Medicinal/Organic Chemistry

Position Summary

Under the supervision of a more senior member of the scientific staff, will have responsibility for the design and execution of synthetic medicinal chemistry efforts within the company's internal and collaborative drug discovery projects. Assume additional responsibilities related to R & D activities as may be assigned by their supervisor and senior management.

Responsibilities

- Design and execute synthesis, purification, and characterization of small molecules and building blocks to support internal and collaborative drug discovery and development efforts
- Multi-step synthesis (3-16 steps) of new molecules and analogues of lead candidates (milligram to gram scale), including macrocycles, individually or in a library format utilizing solution and/or solid phase methods as appropriate
- Synthesis and evaluation of new building block components, fragments, and intermediates, as well as the assessment of their suitability for use in library construction as required
- Purification (flash chromatography, HPLC, crystallization, distillation) and analytical characterization (NMR, IR, LC-MS) of aforementioned molecules and fragments
- Evaluation of new processes and improvement of existing procedures for synthesis scale-up of target molecules and their intermediates to support compound advancement
- Assist in research on new synthetic approaches to the preparation of diverse molecules of potential pharmacological interest as necessary
- Synthetic procedure preparation and presentation of results internally and externally, including at scientific conferences
- Planning work for self and any direct reports 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
- Additional responsibilities related to R & D activities as may be assigned by their supervisor or senior management

Qualifications

- M.Sc. in Organic or Medicinal Chemistry with a concentration in organic synthesis, including experience with multi-step procedures
- Minimum of five (5) years relevant experience in the pharmaceutical or biotech industry required

- Experience with combinatorial or peptide chemistry, parallel synthesis, and/or solid phase chemistry experience is considered a plus
- Very good knowledge of modern organic chemistry and competence in a wide variety of laboratory techniques, as well as of associated spectroscopic (NMR, MS, IR, UV), purification, and analysis methods (flash, HPLC, normal and reverse phase chromatography)
- Strong analytical mindset, excellent technical skills, goal-oriented
- Flexibility with the ability to work successfully in a fast-paced, multidisciplinary, dynamic environment and maintain timelines
- Proven track record of scientific achievement, as demonstrated by successful R & D accomplishments and peer-reviewed publications or patents
- Very good interpersonal skills, dedication, attention to detail, ability to work in an interdependent team
- Above average oral and written communication and presentation skills
- Computer proficiency including standard office programs, use of chemical structure drawing programs, presentation preparation, online research tools and database searching; experience with electronic laboratory notebook (ELN) software is beneficial