

Scientist, Chemistry

Summary

Perform research in the laboratory as a synthetic and medicinal chemist applying the latest knowledge and techniques in the field. Advance the assigned program and contribute to the identification of a lead or development candidate.

Essential Functions

- Design and execute syntheses of complex organic molecules on a milligram to multi-gram scale
- Use advanced laboratory techniques to purify mixtures of compounds
- Use state of the art techniques to characterize intermediates and final compounds
- Rationally design a series of target molecules for a pharmacological target of interest
- Use medicinal chemistry tools and techniques to plan and design synthetic targets
- Communicate results to co-workers and management in both oral and written manner and assist in the preparation of patent applications

Qualifications

- Ph.D. in synthetic organic chemistry strongly preferred; a combination of relevant education and applicable job experience may be considered
- 1-2 years of post-graduate experience working in the biotechnology or pharmaceutical industry or a related position as a laboratory scientist
- Highly proficient in advanced synthetic, purification and spectroscopic techniques utilized in the preparation and characterization of complex organic molecules
- Demonstrated ability to design synthetic targets and successfully execute their syntheses
- Several first author or co-author publications in peer-reviewed journals demonstrating research accomplishments is preferred
- Familiarity with Structure-Based Drug Design
- Firm understanding of modern Medicinal Chemistry concepts and the ability to use them in the design of target molecules or to improve the properties of existing compounds
- Ability to work effectively in teams and collaborate with other scientists including microbiologists, structural biologists, pharmacologists and toxicologists
- Self-starter with a strong work ethic and ability to work independently and show flexibility when needed
- Effective oral and written English communication skills
- Familiarity with standard laboratory instrumentation, computers, and office and laboratory software