

Drug Discovery Scientist

Department	Research and Development (R&D)
Direct Supervisor	Manager, Chemistry
Team Management	N/A

Summary of Position

Under the supervision of the Manager, Chemistry, the Drug Discovery Scientist is responsible for managing a variety of activities, including the synthesis and purification of new anti-cancer molecules, and the development and validation of analytical methods. He/She will develop protocols and carries out experiments using medicinal chemistry and appropriate laboratory equipment; carry out tests on pharmaceutical substances, pharmaceutical products and stability samples in support of the development and manufacturing of drugs; collect and interpret analytical data and draft reports in conformity with the laboratory's SOPs.

Key Responsibility

- Synthesize and purify new molecules
- Develop analytical methods
- Develop and optimize experimental protocols
- Draft development/validation reports subsequent to the execution of the protocol; examine, write or assist in drafting SOPs for the analytical services
- Study the failures of the analytical methods by using technics for root cause analysis
- Consult scientific professionals and scientific literature to obtain assistance in resolving the problems
- Provide analytical support throughout the development of the formulation, by working in pairs with the formulation scientists
- Document the laboratory activity and file all data as required
- Respect safety regulations and assist in maintaining a safe environment in the laboratory
- Utilize the laboratory equipment such as scales, PH meters, analytical devices (HPLC, LC-MS) and purification systems in the execution of procedures
- Assist, as needed, in carrying out peer reviews of other analytical and scientific chemists before submitting them to Quality Assurance
- Undertake other tasks as required by management

External Clients

- The incumbent would potentially have to work with various external partners or service providers such as academic laboratories, institutions, research centers, test laboratories, or consultants.

Required Qualifications

- Education/Experience: Bachelor's or Master's degree in Chemistry or a related scientific field with 3 to 5 years of experience in analytical chemistry/development/method validation
- Skills in synthesis or combination chemistry
- Technical skills: Ability to use AKTA, HPLC, UPLC, LC-MC, UV-VIS spectrophotometer, PH meter, and other modern analytical equipment
- Problem solving: Ability to solve technical problems and provide a timely and satisfactory resolution
- Verbal communication: Communicate efficiently with other team members of various departments, and with clients in a clear and concise manner
- Written communication: Complete documents and journals in a clear and exact manner; draft clear and precise technical documents
- Experience in a pharmaceutical laboratory or an equivalent combination is required
- Ability to draft reports and effectively present the information
- Reasoning skills: Ability to determine problems, collect data, establish facts and draw valid conclusions; interpret, mathematically or in the form of a diagram, a big variety of technical instructions and process several abstract and concrete variables
- Computer skills: To successfully undertake this work, a person should have basic computer skills with a knowledge of MS Suite products and the ability to effectively and securely use the Internet tools.

Personal Quality For All Staff

- Ability to determine objectives and respect deadlines
- Ability to prioritize
- Ability to generate ideas and find solutions
- Ability to work independently and in a team
- Team spirit and willingness to help
- Versatility and flexibility

Personal Qualities Specific To The Position

- The person should be highly motivated and should provide a record of achievements in different projects
- Well-organized and respect deadlines
- Ability to work in a multidisciplinary environment and enjoy excellent verbal and written communication skills, in French and in English