

Research Associate - Organic Chemist



Job Description

Position Overview:

We are seeking a highly skilled and motivated Research Associate - Organic Chemist to join our team. As a Research Associate, you will play a key role in conducting research and development activities related to synthetic organic chemistry. You will collaborate with a team of scientists and researchers to design, synthesize, and characterize novel organic compounds and materials. This is an exciting opportunity to contribute to cutting-edge research and make a significant impact in the field of organic chemistry.

Key Responsibilities:

- Design and execute experiments to synthesize organic compounds using various techniques, including multi-step synthesis, purification, and isolation.
- Conduct literature reviews to gather relevant information and propose new strategies for compound synthesis and optimization.
- Characterize and analyse synthesized compounds using spectroscopic techniques such as NMR, IR, MS, and other analytical methods to ensure their structural and chemical integrity.
- Troubleshoot and resolve technical issues related to synthesis, purification, and characterization of organic compounds.
- Maintain accurate and detailed laboratory records, including experimental protocols, observations, and data analysis.
- Participate in scientific discussions, present research findings internally, and contribute to the preparation of technical reports, presentations, and publications.
- Stay updated with the latest advancements in organic chemistry and relevant research methodologies, techniques, and instrumentation.

Qualifications and Requirements:

- A master's degree or Ph.D. in Organic Chemistry or a related field.
- Proven experience in organic synthesis and characterization techniques.
- Strong theoretical and practical knowledge of organic chemistry, including reaction mechanisms, synthetic methodologies, and spectroscopic techniques.
- Proficiency in designing and executing multi-step organic synthesis and purification techniques.
- Hands-on experience with analytical techniques such as NMR, IR, MS, and HPLC.
- Familiarity with lab safety procedures and the ability to handle and dispose of hazardous chemicals safely.
- Excellent problem-solving skills and the ability to troubleshoot technical issues in the laboratory.
- Strong organizational and time management skills to manage multiple projects and prioritize tasks effectively.
- Effective communication skills to collaborate with team members and present research findings clearly.
- Ability to work independently as well as in a collaborative research environment.

Preferred Skills:

- Experience with advanced purification techniques such as column chromatography and preparative HPLC.
- Previous experience working in an industrial or academic research setting.

We offer competitive compensation packages and an inclusive work environment that fosters growth and development. If you are passionate about organic chemistry, have a strong research background, and enjoy working in a collaborative team, we encourage you to apply for this position. Join our team and contribute to advancing the frontiers of organic chemistry research.