



Research Associate – Chemistry

Job Description

Headquartered in Research Triangle Park, NC, 5Metis, Inc. (www.5metis.com) is a pure-play discovery agrichemical company with an emphasis on crop health. Founded in 2021, the company is focused on discovering new molecules with novel modes of action in the agrichemical space by combining boron-based small molecule discovery and natural product synthetic biology. The 5Metis business model focuses on discovery and early development, with eventual industry partnerships for further development of de-risked compounds with an attractive biological profile.

Position Overview

We are seeking a highly motivated scientist who will be responsible for safely and efficiently performing experiments in a non-GLP agrichemical laboratory. This is a laboratory-based position that will initially include responsibilities for weighing and mixing formulation components, HPLC analysis of samples and administration of our chemical/formulations database and chemical/formulations inventories.

The successful candidate will work directly with both the Lead Formulation Chemist and Lead Analytical Chemist, to conduct preparation, testing, and analysis of both formulated products and pure active ingredients. The role may also involve notebook keeping and report writing, reporting to the Associate Director of Chemistry.

The successful candidate will work in support of our biological screening by preparing samples and will also be involved in the development and implementation of analytical methods for purity and stability of active ingredients.

The successful candidate will work as part of a multidisciplinary team to support discovery, development, and eventual registration of new crop protection products.

Principal Responsibilities

- Work with the Lead Formulation Chemist in formulation development for novel crop protection technology.
- Assist in the analytical and physical characterization of new chemistries and formulations.
- Assist in the preparation and evaluation of new technology and formulations for fungicidal, insecticidal, or herbicidal activity.
- Manage and maintain chemical and formulation inventories as well as the registration of compounds and formulations within the 5Metis database.
- Dispense test compounds for small-scale biological screening, including performing dilution calculations for dose-response curves.
- Assist with spray booth manipulation and clean up during testing of formulations on plants.
- Responsibility for shipping and receiving of compounds with CROs and collaborators.
- Laboratory management and maintenance, including cleaning glassware, ordering supplies, and maintaining laboratory equipment and instrumentation.

Qualifications and Desired Skills

Education/Experience

- BS in chemistry with 1-2 years of lab experience in chemistry, analytical chemistry, or formulation
- LC/MS experience is preferred

- Formulation chemistry lab experience is preferred
- Crop protection discovery experience is preferred
- Analytical method development is preferred
- Compound management experience is preferred

Desired Skills

- Proficiency in Microsoft Office suite
- Data management and analysis
- Problem solving and critical thinking, along with an ability to work with minimal supervision
- Strong written and oral communication skills
- Ability to perform with aggressive deadlines
- Attention to detail and record-keeping
- Independent thinking while working in a team environment
- Ability to manage more than one project at a time
- Good time management and organizational skills

Job Type and Location

Full-time (exempt), laboratory-based in Research Triangle Park (Durham), North Carolina

How to Apply

Please send a cover letter and resume to Jason Speake at jobs@5metis.com with “Research Associate – Chemistry” as the subject of the email.

5Metis is an Equal Opportunity Employer and does not discriminate in recruitment, hiring, training, promotion or any other employment practices for reasons of race, color, religion, gender, national origin, age, sexual orientation, marital or veteran status, disability, or any other legally protected status under federal, state or local law. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.