

Biotransformation Scientist (combustion Accelerator Mass Spectrometry (cAMS))

Job ID
REQ-10040024
Febr. 11, 2025
Schweiz

Zusammenfassung

More than 100,000 people across 140 countries are working for Novartis to discover, develop, and successfully market innovative products to prevent and cure diseases, ease suffering, and enhance the quality of life.

The Pharmacokinetic Sciences (PKS) Department, within the Novartis BioMedical Research (BR) Division in Basel, is dedicated to collaborating across scientific and organizational boundaries, with a focus on powerful new technologies that have the potential to help produce therapeutic breakthroughs for patients. PKS is currently seeking a laboratory-based Scientist to join the regulatory biotransformation team in Basel, Switzerland. The candidate will be joining a large global team of skilled and motivated drug metabolism scientists who closely collaborate to perform cAMS-based analysis.

In addition, an essential part of this role involves data generation for clinical trials performed under GCP. You will collaborate with colleagues and external partners (e.g., QA, project team) to ensure excellent study design and timely reporting of high-quality assessments.

The successful candidate is adaptable, highly motivated, and challenge-driven with a history that demonstrates strong interpersonal skills that encourage successful collaborative working relationships. In this role, you will work in a team environment to support programs through the conduct of drug metabolism studies designed to understand biotransformation pathways and routes of elimination of diverse therapeutic modalities. Major responsibilities include planning, conducting, and documenting experiments designed to investigate total radioactivity PK, mass balance, as well as metabolic pathways and structural elucidation of metabolites formed from new drug candidates. The candidate will also be given many opportunities to pursue skill diversification for career development.

About the Role

Your main accountabilities will include:

- Design and execution of biotransformation studies to assess PK, mass balance, metabolic pathways and structural elucidation of metabolites
- Organize and prepare experimental protocols as well as study reports with upload of results to a centralized database
- Develop and perform assays to characterize the metabolism of small molecules as well as new modalities
- Support pre-clinical and clinical development ADME studies (in vitro and in vivo) to aid drug candidate progression
- Assure quality standard guidelines, including GxP, and safe work practices are applied while working in the laboratories

Minimum Requirements:

- Degree (BSc or MSc) in organic/analytical/biochemistry/biophysics with Biotransformation and/or cAMS experience in an industry setting
- A very good understanding of radioisotopes is essential for this role, especially knowledge about ¹⁴C would be an asset for this role
- Experience in performing studies under GxP regulations would be desirable
- Title and salary will be commensurate with experience

The ideal candidate will draw from any of the following key skillsets:

- Excellent (hands-on) experience with cAMS, UPLC, mass spectrometry, and especially high-resolution mass spectrometry
- Extensive hands-on experience with radiometabolite assessment and radiodetection techniques (AMS, Liquid Scintillation Counting (LSC), or TopCount)
- Good understanding of in vitro and in vivo drug metabolism
- Familiarity with mass spectrometer data interpretation for small molecules and/or proteins
- Good attention to detail, an analytical investigative and questioning nature, with an innovative solution-oriented approach
- Well-developed interpersonal skills with good presence, experienced presenter, and excellent communication skills
- Good planning, prioritization, problem-solving, and organizational skills
- Resilient, energetic, and enthusiastic with the ability to respond constructively to challenging new ideas and feedback
- Team player, ability to be flexible and adapt to a changing environment
- Good IT skills, particularly Word, Excel, and PowerPoint

Basic Qualifications:

- Degree in Chemistry/Biochemistry/Biology/Pharmacology with research experience relevant to drug metabolism science
- MSc with ≥0 years, or BSc with ≥5 years of relevant experience

As a biotransformation expert, you will operate a state-of-the-art Accelerator Mass Spectrometry instrument for total radioactivity and mass balance determination, apply the latest methodologies for metabolite profiling of small molecules as well as new modalities (e.g., ADC, oligos, etc.) using HPLC coupled to high-resolution mass spectrometry and off-line fraction collectors. You will plan and execute tailored experiments under GxP, maintain the laboratory environment/instruments, and support the development of new technologies.

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Commitment to Diversity and Inclusion:

Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to all

individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to diversity.inclusion_ch@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message

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