NOVARTIS

Biotransformation Scientist, PK Sciences

Job ID
REQ-10020341
Aug 29, 2024
USA

Summary

LI#-On-site
Internal Title: Principal Scientist II
The Pharmacokinetic Sciences (PKS) Department within the Novartis BioMedical Research (BR) Division in Cambridge, Massachusetts is recruiting for a Principal Scientist with extensive experience working with small molecules to join their global biotransformation team with groups in Europe and North America. The candidate should have a solid mechanistic understanding of small molecule biotransformation reactions and have strong knowledge of the various in vitro enzymatic systems used to study these reactions.

About the Role

As a biotransformation expert, you will develop state-of-the-art analytical methodologies for metabolite profiling and identification of small molecules using HPLC coupled to high-resolution mass spectrometry. In addition, you will establish methods using ICP-MS to profile peptide based radioligand therapeutics (RLTs) and will take part in the monitoring of the radio-metabolite assessment of RLTs during clinical trials under GCP, where the analysis is performed at external clinical sites and CROs using gamma counters and HPLC radiodetectors.

Your major responsibilities will involve working in team environments to support programs through the conduct of drug metabolism studies designed to understand biotransformation pathways and structural elucidation of metabolites formed from new drug candidates. You will also be given many opportunities to diversify your skills and develop your career.

As the successful candidate you will plan and execute tailored experiments, maintain the laboratory environment/instruments, and support the development of new technologies. You will have a good understanding of the drug discovery/development processes for small molecules, have the ability to design, execute, oversee, and interpret various types of biotransformation studies and have a keen interest in implementing/optimizing experimental methods. Additionally, you will deliver high quality timely results on internal and/or outsourced studies and represent those at cross-functional teams and department meetings.

Key Responsibilities:

- Design and execute fit for purpose hypothesis driven biotransformation studies to assess metabolic pathways, soft-spot identification, structural elucidation, and bioactivation of drug candidates
- Organize and prepare experimental protocols and study reports with upload of results to a centralized database
- Present key findings to project teams and/or other stakeholders
- Support discovery, pre-clinical, and clinical development of ADME studies (*in vitro* and *in vivo*) to aid drug candidate progression

- Assure quality standard guidelines and safe work practices are applied while working in the laboratories

Essential Requirements:

- Ph.D. in organic/analytical/biochemistry/medicinal chemistry or equivalent field, with 5+ years of related experience or BS/MS with 12+ years of related work experience, preferably in industry.
- Extensive Biotransformation experience in an industry setting strongly desired.
- Excellent (hands-on) experience with UPLC, mass spectrometry, especially high-resolution mass spectrometry is essential
- Good understanding of *in vitro* and *in vivo* drug metabolism of small molecules and peptide based RLTs
- Team player with ability to be flexible and adapt to a changing environment
- Good planning, attention to detail, prioritization, problem solving and organizational skills

Desirable:

- Experience with monitoring clinical trials highly advantageous
- Experience with ICP-MS a bonus

Benefits and Rewards:

Read our handbook to learn about all the ways we'll help you thrive personally and professionally: Novartis Life Handbook

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.

Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between $130,400-$195,600/year; however, while salary ranges are effective from 1/1/24 through 12/31/24, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an "at-will position" and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? https://www.novartis.com/about/strategy/people-and-culture

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