NOVARTIS

Principal Scientist II/Senior Principal Scientist, PK Sciences Clinical Pharmacology Artificial Intelligence (AI) Lead (dual level posting)

Job ID
REQ-10081408

六月 26, 2026

USA

摘要

LI#-Hybrid
Location: Cambridge (USA)

We are seeking an enthusiastic and motivated PK Sciences representative to lead the development and use of artificial intelligence (AI) enabled strategies to transform clinical pharmacology support of transformative new medicines. The successful candidate will offer insight into the development of AI-based applications to support strategic, scientific and operational leadership. They would focus on developing AI-based solutions to enhance the automation, innovation and acceleration of PKS/clinical pharmacology deliverables across the organization. Our unique organizational structure enables colleagues to work seamlessly in the translational and/or clinical space, offering opportunities for development and bench-to-bedside-to-bench translation. Experience in late discovery into clinical development is preferred. The scope of the role potentially includes small molecules, biologics/therapeutic proteins, antibody drug-conjugates, radioligand therapies and/or cell therapies across major therapeutic areas in Novartis, including oncology, immunology, cardiovascular renal metabolism, neuroscience, and global health. This position drives close interdisciplinary collaboration

among the PK Science disciplines, Drug Disposition (ADME, BA), Modeling & Simulation (M&S), and Operations through PK science sub-teams to achieve a holistic and integrative perspective of the ADME/clinical pharmacology properties of candidates and drugs. Collaborate effectively with broader, cross disciplinary project teams to ensure PKS strategies are well integrated into project plans and scientific discussions.

About the Role

Key responsibilities:

- Brings strong AI and digital fluency, using enterprise tools to further strategic, scientific and operational leadership in clinical pharmacology
- Identifies, develops and implements high-value use cases where AI can materially improve clinical pharmacology planning, analyses and decision quality.
- Represent the PK Sciences function in project teams, interactions with stakeholders within the organization and interactions with regulatory agencies, as appropriate
- Proactively contributes to developing drug candidates across Research Development and Commercial continuum, providing expert pharmacokinetic / drug metabolism and clinical pharmacology input
- Work with teams to use AI to accelerate and enhance the understanding of nonclinical and clinical PK/PD relationships and development dosing strategies and predictions
- Champion the use of AI to accelerate and enhance the provision of , dosage, and PK/PD components of study protocols, reports, project summaries and development plans, and author pharmacokinetic/clinical pharmacology/biopharmaceutics sections of IND/IMPDs and NDA/BLAs as well as prepare appropriate responses to Health Authority questions
- Drives close interdisciplinary collaboration among the PK Science disciplines, Drug Disposition (ADME, BA), Modeling & Simulation (M&S), through PK science sub-teams.
- Works in close collaboration with clinicians and clinical development colleagues to integrate PKS insights into study design, data interpretation, and project decision - making
- Models the use of Artificial intelligence (AI) / Machine Learning (ML) approaches to enable model guided molecular design, preclinical and clinical data automation, and authoring regulatory documents.

This role reports to a Therapeutic Area head within PK Sciences within Translational Medicine (TM) in Biomedical Research. PKS is a global organization situated within Translational Medicine (TM), the clinical research arm of Biomedical Research within Novartis. PK Sciences plays a pivotal role in bringing innovative medicines to patients, by building on research advances to develop new therapies, bridging drug discovery and clinical application. PK Science is an enterprise-wide organization, working across both Biomedical Research and the Development organizations to advance the scientific knowledge of pharmacokinetics, metabolism and clinical pharmacology.

Essential Requirements

- Ph.D. / Pharm.D. with relevant experience in clinical pharmacology, drug metabolism and pharmacokinetics or a related background.
- A minimum of 0-2 years of experience in drug discovery and/or development in a relevant

environment (academia, CRO, biotech or Pharma).
- 2+ years of experience preferably in a lead role overseeing ADME/DMPK project strategy in clinical development, or in AI strategy, to be considered for Principal Scientist II. 4+ years of experience to be considered for Senior Principal Scientist.
- Extensive and in-depth knowledge of pharmacokinetics including, drug metabolism and PK/PD evaluation, experience in working in project teams (preferably global) as well as sound awareness of recent developments in drug development and regulatory sciences.
- Exposure to working in a cross-functional, matrixed, project-team environment.
- Strong oral and written communication skills.

Desirable Requirements

- Hands-on project experience with Artificial intelligence (AI) approaches and examples of applying AI to clinical pharmacology topics is a plus

This is a dual posting. The final level & title of the offer role would be determined by the hiring team based on the skills, experience & capabilities required to perform the role at the level the role has been offered

The salary for this position is expected to range between:

Principal Scientist II: $119,700 and $222,300 per year.
Senior Principal Scientist: $138,600 and $257,400 per year.

The final salary offered is determined based on factors like, but not limited to, relevant skills and experience, and upon joining Novartis will be reviewed periodically. Novartis may change the published salary range based on company and market factors. Your compensation will include a performance-based cash incentive and, depending on the level of the role, eligibility to be considered for annual equity awards.

US-based eligible employees will receive a comprehensive benefits package that includes health, life and disability benefits, a 401(k) with company contribution and match, and a variety of other benefits. In addition, employees are eligible for a generous time off package including vacation, personal days, holidays and other leaves. To learn more about the culture, rewards and benefits we offer our people click here

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

Benefits and Rewards: Learn about all the ways we ' ll help you thrive personally and professionally. Read our handbook (PDF 30 MB)

EEO Statement:

The Novartis Group of Companies are Equal Opportunity Employers. We do not discriminate in recruitment, hiring, training, promotion or other employment practices for reasons of race, color, religion, sex, national origin, age, sexual orientation, gender identity or expression, marital or veteran status, disability, or any other legally protected status.

Accessibility & Reasonable Accommodations

The Novartis Group of Companies are committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the application process, or to perform the essential functions of a position, please send an e-mail to us.reasonableaccommodations@novartis.com or call +1(877)395-2339 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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Research

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Massachusetts

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Company / Legal Entity
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Functional Area
Research & Development

Job Type
Full time

Employment Type
Regular

Shift Work
No

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