NOVARTIS

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

Job ID
REQ-10081408
Jun 26, 2026
LOC_US

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

Role Requirements

Division
DIV_RE
Business Unit
Research
Location
LOC_US
Site
Cambridge (USA)
Company / Legal Entity
U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.
Functional Area
FCT_RD
Job Type
Full time
Employment Type
Regular
Shift Work
No
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