NOVARTIS

Director, PK Sciences Clinical Pharmacology Artificial Intelligence (AI) Lead

Job ID
REQ-10088336
Oct 19, 2026
LOC_US

About the Role

Key Responsibilities

- Lead the development and oversee implementation of AI strategy for clinical pharmacology within PKS.
- 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 Unit 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 8-10 years of experience in drug discovery and/or development in a relevant environment (academia, CRO, biotech or Pharma). 6+ years of experience preferably in a lead role overseeing ADME/DMPK project strategy in translational/clinical development, or in AI strategy.
- 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

Leadership / Novartis Behaviors in Action

- Delivers results through disciplined execution, continuous improvement, and a strong focus on value and outcomes.
- Demonstrates an enterprise mindset and strong ownership by prioritizing resources and decisions for maximum Novartis and patient impact.
- Role models Novartis leadership behaviors through visible actions, continuous self reflection, and openness to feedback
- Builds trust through transparent communication, clear accountability, and consistent delivery against commitments.

Novartis Compensation Summary
The salary for this position is expected to range between $185,500 and $344,500 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.

U.S.-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.

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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