

## Director and Group Head (Scientific Innovation), AI and Computational Sciences

Job ID  
REQ-10065658

11月 07, 2025

USA

### 摘要

Novartis has embraced a bold strategy to drive a company-wide digital transformation. Our objective is to position Novartis as an industry leader by proactively adopting digital technologies that foster innovative approaches to hasten drug discovery and development. By utilizing both internal and external R&D data with the power of data science, predictive models, generative AI, and machine learning, our objective is to identify new targets, create more effective therapeutic molecules, better predict drug pharmacokinetics and safety risks, refine clinical trial design, and significantly shorten development cycles. The AICS team leads Biomedical Research(BR) in exploring and applying advanced AI and ML methodologies to generate novel drug discovery insights, and to speed and improve drug discovery efficiency whilst focusing on patients' needs.

AICS partners with drug discovery teams, raises the level of AI expertise across Biomedical Research (BR) and ensures that BR science keeps up with the rapidly evolving ecosystem of AI technologies by connecting with AI leaders in academia and industry.

This role leads the Scientific Innovation group within AICS and is tasked with leading a group of

scientists with significant domain expertise in biomedical research along with being AI-native, and also act as the primary SME liaison of AICS to BR Disease Areas (DAs) and Function Areas (FAs).

## About the Role

### Key Responsibilities

#### Scientific Innovation Group Lead:

- Lead a team of AI researchers who also bring significant domain area expertise
- Work with AI modelers to ensure models are robust and performant
- Work with Engineering and Product Development resources to ensure delivery of AI solutions
- Raise the awareness of AI applications to aid in answering key research questions across Biomedical Research
- Help position AI-aided drug discovery contributions to deliver and support progress of Biomedical Research 's portfolio, enable new kinds of therapeutic discoveries, shorten cycle times, and increase efficiency.

#### Collaboration & partnership

- Act as the primary liaison as a subject matter expert for AICS, for identification of research questions, solution design, and evangelism of results and impacts of AI across Biomedical Research
- Regularly communicate, engage, align with AICS teams, broader data science community, and senior scientists.
- Initiate and lead key high-value internal collaborations across Biomedical Research.
- Help to design translatable metrics for AI models that will lead to tangible impact in collaboration with BR DAs and FAs.

#### Essential Requirements:

- 10+ years of significant experience in innovation, development, deployment and continuous support of Machine Learning data management and modeling
- Expertise in bringing advanced analytics insights and actions to a large Research organization & deep understanding of Drug development
- Passion for understanding emerging technologies with pragmatic insight into where those technologies can be integrated into business solutions
- Ability to balance requirements, manage expectations, and drive effective results using a proactive attitude towards identifying and resolving issue
- Entrepreneurial spirit with can-do, pro-active attitude
- Strong organizational, problem-solving, and influencing skills and demonstrated track record of exceptional teamwork
- Excellent interpersonal, communication, and presentation skills
- Ability to execute and prioritize well in a complex matrixed environment.
- Operational and functional leadership

#### Novartis Compensation Summary:

The salary for this position is expected to range between \$194,600 and \$361,400 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>

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: <https://talentnetwork.novartis.com/network>

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: <https://www.novartis.com/careers/benefits-rewards>

#### 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](mailto: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.

部门

Biomedical Research

Business Unit

Universal Hierarchy Node

地点

USA

状态

Massachusetts

站点

Cambridge (USA)

Company / Legal Entity

U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area

Data and Digital

Job Type

Full time

Employment Type

Regular

Shift Work

No

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