

## Technical Director AI and Computational Sciences (AICS)

Job ID  
REQ-10054901

6月 16, 2025

USA

### 摘要

-Independently lead Data or Data Science and AI global initiatives part of the overall Enterprise and Divisional Data or Data Science Strategy to contribute solving unmet medical needs, in collaboration with various stakeholders. -Role model a culture of analytical and data driven decision making and data/data sciences across Novartis leadership in research, development, commercial, manufacturing and support functions. -Deep technical experts with key accountability for a significant project, business activity. -Shape future direction for own part of the organization based on the overall organization strategy provided by business leadershipIf managing a team: empowers the team and provides guidance and coaching.

### About the Role

Technical Director AI and Computational Sciences (AICS)

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 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 supports the work to create and deploy GenAI and Agentic Systems throughout BR in collaboration with the AICS and RX teams, BRs data science community and key stakeholders.

Purpose of the role

GenAI and Agentic Systems:

- Build, implement, and deploy a cutting-edge and impactful portfolio of GenAI and Agentic models with BR drug discovery project teams and drug discovery platforms
- Raise the level of GenAI expertise & capabilities across BR
- Help position AI-aided drug discovery contributions to deliver and support progress of BR's portfolio, enable new kinds of therapeutic discoveries, shorten cycle times, and increase efficiency.

Collaboration & partnership

- Regularly communicate, engage, align with AICS teams, broader data science community, and senior scientists.
- Initiate and lead key high-value internal collaborations across BR.
- Help to identify, recommend, and evaluate opportunities for GenAI collaborations across BR
- Provide subject matter expertise, input, and evangelism to the field of AI across BR

What you'll bring to the role:

- 10+ years of significant experience in innovation, development, deployment and continuous support of Machine Learning tools and models
- 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 issues

- 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.

**Novartis Compensation and Benefit Summary:** The pay range for this position at commencement of employment is expected to be between \$194,600 and \$361,400 per year; however, while salary ranges are effective from 1/1/25 through 12/31/25, 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.

**You ' ll Receive:** You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. <https://www.novartis.com/careers/benefits-rewards>

**Commitment to Diversity & Inclusion:** Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

**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

Pharma Research

地点

USA

状态

New Jersey

站点

East Hanover

Company / Legal Entity

U014 (FCRS = US014) Novartis Pharmaceuticals Corporation

Alternative Location 1

Cambridge (USA), Massachusetts, USA

Functional Area

Data and Digital

Job Type  
Full time

Employment Type  
Regular

Shift Work  
No

[Apply to Job](#)



Job ID  
REQ-10054901

## Technical Director AI and Computational Sciences (AICS)

[Apply to Job](#)

## Source URL:

<https://www.novartis.com.cn/careers/career-search/job/details/req-10054901-technical-director-ai-and-computational-sciences-aics>

## List of links present in page

1. <https://www.novartis.com/careers/benefits-rewards>
2. <https://www.novartis.com/about/strategy/people-and-culture>
3. <https://talentnetwork.novartis.com/network>
4. <https://www.novartis.com/careers/benefits-rewards>
5. <mailto:us.reasonableaccommodations@novartis.com>
6. <https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/East-Hanover/Technical-Director-AI-and-Computational-Sciences--AICS-REQ-10054901>
7. <https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/East-Hanover/Technical-Director-AI-and-Computational-Sciences--AICS-REQ-10054901>