

Associate Director Biostatistics, Advanced Methodology

Job ID
REQ-10054125
Jun 11, 2025
USA

Summary

Onsite
#LI-Onsite
East Hanover, NJ

About the role:

Within the Quantitative Sciences drug development function, the Advanced Methodology and Data Science pillar plays a crucial role in enhancing analytical capabilities to support drug development and regulatory decision-making. This Associate Director position focuses on optimizing approaches for data-driven decision-making, utilizing clinical study data along with other internal and external data sources.

About the Role

Your Key Responsibilities:

- **Advanced Modeling & Simulation:** Develop and apply sophisticated models to optimize study design, analyze complex datasets, and enhance predictive capabilities.
 - **Innovative Analytical Methods:** Explore and implement novel statistical techniques such as Bayesian modeling, Statistical Learning, Machine Learning, and Causal Inference.
 - **Rapid-Response Analyses:** Conduct flexible, rapid-response analyses to address emerging scientific and regulatory questions.
 - **Cross-Functional Collaboration:** Work closely with Biostatistics, Pharmacometrics, Statistical Programming, and drug development teams to enhance study design, data interpretation, and evidence generation strategies.
 - **Problem Identification and Solution Development:** Identify recurring problems and use a combination of reproducible research techniques and tool development to provide general solutions that can be applied repeatedly.
- Quantitative Science Education: Play a key role in quantitative science education and awareness efforts.
- Collaborate with regulatory, academic, and industry partners to advance drug development science through innovative quantitative approaches.
 - Publish in peer-reviewed journals, organize sessions at professional conferences, and contribute to cross-industry work streams in external scientific working groups.

This position will be located at the East Hanover, NJ site and will not have the ability to be located remotely.

Role Requirements:**Essential Requirements:**

- Ph.D. in statistics, biostatistics, data science, machine learning, computational biology or another related field
- Fluent English oral and written
- Very good communication and presentation skill
- 6 years of relevant experience with application of innovative quantitative methods from the R&D or academic setting
- Expert knowledge in a number of relevant quantitative approaches in terms of both theory and hands-on experience

Desirable Requirements:

- Prior experience with late phase drug development needs and activities

Novartis Compensation and Benefit Summary:

The salary for this position is expected to range between \$145,600 and \$270,400 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:

Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: <https://www.novartis.com/about/strategy/people-and-culture>

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>

Accessibility and 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 in

order to perform the essential functions of a position, please send an e-mail to tas.nacomms@novartis.com 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.

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here:
<https://talentnetwork.novartis.com/network>

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 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.

Division

Development

Business Unit

Innovative Medicines

Location

USA

State

New Jersey

Site

East Hanover

Company / Legal Entity

U014 (FCRS = US014) Novartis Pharmaceuticals Corporation

Functional Area

Research & Development

Job Type

Full time
Employment Type
Regular
Shift Work
No
[Apply to Job](#)

Job ID
REQ-10054125

Associate Director Biostatistics, Advanced Methodology

[Apply to Job](#)

Source URL: <https://prod1.id.novartis.com/id-en/careers/career-search/job/details/req-10054125-associate-director-biostatistics-advanced-methodology>

List of links present in page

1. https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf
2. <https://www.novartis.com/about/strategy/people-and-culture>
3. <https://www.novartis.com/careers/benefits-rewards>
4. <https://talentnetwork.novartis.com/network>
5. <https://www.novartis.com/about/strategy/people-and-culture>
6. <https://talentnetwork.novartis.com/network>
7. <https://www.novartis.com/careers/benefits-rewards>
8. <mailto:us.reasonableaccommodations@novartis.com>
9. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/East-Hanover/Associate-Director-Biostatistics_REQ-10054125-1
10. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/East-Hanover/Associate-Director-Biostatistics_REQ-10054125-1