NOVARTIS

ED, Advanced Analytics and Modeling

Job ID
REQ-10090113
Oct 30, 2026
LOC_US

About the Role

Key Responsibilities:

- Define and evolve the integrated Advanced Analytics & Modeling strategy, capability roadmap, maturity agenda, and investment priorities aligned with business and portfolio needs.
- Lead and prioritize the portfolio across Precision Health, Key Drivers and Action Planning Analytics, Integrated Promotion Mix Modeling and Resource Optimization, and AI and Unstructured Intelligence.
- Establish transparent demand intake, prioritization, service levels, and portfolio governance across brands, launches, therapeutic areas, functions, and enterprise initiatives.
- Allocate US and Hyderabad resources to the highest-value business priorities, balancing near-term decision support with long-term capability development and reusable solutions.
- Hold capability leaders accountable for differentiated roadmaps, methodological excellence, talent development, reusable assets, and measurable business impact.
- Establish standards for analytical rigor, validation, interpretability, reproducibility, documentation, privacy, compliance, peer review, and responsible AI.
- Incubate AI and Unstructured Intelligence capabilities, including NLP, GenAI, text analytics, unstructured signal detection, evidence synthesis, and knowledge acceleration.
- Partner with senior Commercial, Medical, Market Access, Patient Services, Strategy, Finance, and Forecasting leaders to translate strategic priorities into actionable analytical agendas and recommendations.
- Partner with SPT (Strategy, Platforms, and Transformation) to define decision rights and ensure effective transition of scalable models and use cases into governed products, integrated solutions, ModelOps, and enterprise deployment.
- Lead the global US–Hyderabad operating model and develop the Associate Director engagement bench through coaching, strategic deployment, capability alignment, succession planning, and end-to-end accountability for decision impact.

Essential Requirements:

- Minimum 12+ years of progressive leadership experience in advanced analytics, data science, decision science, commercial analytics, healthcare analytics, or a related quant field.
- Bachelor's degree in related field is required; Master of Science and/or MBA preferred
- Proven success defining and executing advanced analytics strategies, capability roadmaps, maturity agendas, and investment priorities across multiple analytical domains.
- Experience leading senior capability owners, flexible expert teams, complex portfolios, and globally distributed analytics organizations.
- Demonstrated expertise applying advanced analytics to high-impact commercial, patient, healthcare, launch, or enterprise decisions.
- Broad technical fluency across predictive modeling, patient analytics, driver analysis, causal inference, experimentation, promotion-mix modeling, ROI analysis, response curves, optimization, NLP, GenAI, and unstructured analytics.
- Experience establishing portfolio prioritization, capacity allocation, analytical quality governance, and reusable capability models.
- Strong judgment regarding methodological fit, evidence quality, validation, interpretability, uncertainty, model risk, privacy, and responsible AI.

- Proven ability to frame executive-level decisions, translate complex analytics into strategic choices, influence senior business and technology leaders, resolve conflicts, and manage portfolio trade-offs.
- Experience leading operating-model transformation, global delivery, organizational change, talent development, succession planning, and the division of analytical and technical ownership across models, products, platforms, ModelOps, and lifecycle management.

Desirable Requirements:

- Experience within pharmaceutical, biotechnology, life sciences, healthcare, or other highly regulated industries, with demonstrated expertise across product launches, customer and patient analytics, promotional effectiveness, market access, and healthcare delivery decision-making.
- Proven experience building and scaling AI-enabled analytics capabilities, including NLP, GenAI, unstructured-data analytics, experimentation, simulation, and optimization, while establishing integrated operating models across global capability centers and partnering effectively with data, analytics, product, platform, and technology organizations.

Novartis Compensation Summary:

The salary for this position is expected to range between $225,400.00 and $418,600.00 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.

Role Requirements

Division
DIV_IU
Business Unit
General Management
Location
LOC_US
Site
Distant Employee - Distant Working Arrangement (DWA) (USA)
Company / Legal Entity
U014 (FCRS = US014) Novartis Pharmaceuticals Corporation
Alternative Location 1
LOC_US
Functional Area
FCT_DD
Job Type
Full time

Employment Type
Regular
Shift Work
No
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