NOVARTIS

Global Head, Clinical Imaging and Analytics

Job ID
REQ-10053583
Jun 04, 2025
USA

Summary

Global Head, Clinical Imaging and Analytics

#LI-Hybrid

This position can be located in Cambridge, MA USA or Basel, Switzerland.

Bringing life-changing medicines to millions of people, Novartis sits at the intersection of cutting-edge medical science and innovative digital technology. As a global company, the resources and opportunities for growth and development are plentiful including global and local cross functional careers, a diverse learning suite of thousands of programs & an in-house marketplace for rotations & project work. With strong medicines pipeline our current transformation will not just deliver growth for our business but continue to allow us to bring innovative medicines to patients quickly.

The Global Clinical Imaging and Analytics Head will coordinate and lead the application of different imaging strategies to support our portfolio of innovative medicines spanning across oncology, cardiovascular, renal, immunology, and neuroscience. Will coordinate with cross-divisional multidisciplinary teams spanning clinical, data science and commercial functions to discover, develop, evaluate and implement innovative AI/ML derived imaging biomarkers/endpoint strategies across the Novartis portfolio. This role will collaborate extensively with internal and external stakeholders to access/leverage medical imaging data/platforms and build a Novartis high value portfolio and reputation in the fields of imaging technology and clinical radiology.

About the Role

Key Responsibilities:

- Develop fit for purpose clinical imaging strategies/technologies for our clinical trials and ensure high quality training at clinical sites and to data acquisition
- Develop and lead unique Novartis strategies for mining internal and external medical image and device data to support innovative biomarker discovery, development and implementation in drug development across multiple therapeutic areas
- Leverage diverse knowledge and skillsets to fully integrate and effectively communicate with clinicians, epidemiologists, data scientists, imaging experts and software engineers to meaningfully advance translational research efforts, including integration into disease animal models and other "omics/phe-nomics" data sets, where appropriate, across multiple therapeutic areas
- Lead AI/Machine learning approaches to develop novel structural and functional biomarkers/endpoints from medical imaging and device data to enable better quantitation of common clinical parameters or

improve diagnostics, sub-classify diseases and enable predictive patient risk/stratification

- Lead and partner to enable impact of data science derived imaging biomarker approaches in the early drug development portfolio for "Proof of Concept/Proof of Mechanism" with Translational Medicine across multiple therapeutic areas
- Partner and serve as a leadership team member with NVS data platform groups e.g. DATA42/Data Sciences and AI, to clarify the landscape of clinical needs, challenges and the scope of imaging/DICOM data available to enable new analytic approaches with existing radiology software suites as well as de novo deep learning models at the voxel level
- Collaborate with internal stakeholders to support the advancement of imaging data repositories and data collection technologies such that the data are of maximal value to NVS systems and processes.
- Shape NVS policies on imaging data storage, aggregation, harmonization, retention and application so that it is well positioned to benefit NVS now and in the future
- Lead collaborations with internal stakeholders across NVS e.g. Biomedical Research/Development - clinical, data sciences, Chief Digital Office/AI Innovation Center/DATA42 to fully leverage enterprise imaging and data science expertise, optimize our portfolio value and drive innovation
- Key performance indicators:
- Lead the discovery, advancement and qualification of specific imaging based biomarkers/endpoints which can deliver personalized medicine approaches across Novartis portfolio spanning over research and development programs, providing the highest value added medicines
- Enable BR and Dev to test biological and therapeutic hypotheses in clinical development, resulting in clear proof of concept/mechanism readouts, health authority endorsements, and commercial differentiation, potentially helping in successful program acceleration.
- Recognized internally and externally through publications, leading global strategies/teams and consortium impacts as a subject matter expert/leader for NVS
- Adherence to Novartis Values and Behaviors, especially innovation and collaboration
- will be responsible for group of 10-30 associates

Essential Requirements:

- Education/Experience: PhD/MD, preferably MD, board certified radiologist with clinical research and data sciences training and/or certification, as well as a deep understanding of clinical epidemiology that can be applied to questions of diagnosis, biomarker development and treatment monitoring
- 5 to 10 years professional/industry experience
- Extensive Clinical and Diagnostic Radiology experience in areas such as Cardiovascular, Immunology, Neurology, Renal and Oncology
- Experienced in medical multi-modality imaging platforms such as MRI, CT, PET and ultrasound
- Substantial impactful global experience developing and leading multidisciplinary matrix teams across Pharma/biotech (clinical research through healthcare applications), academic institutions, and commercial business functions
- Demonstrated technical and scientific expertise in multiple areas for development of innovative biomarker solutions
- Well-developed interpersonal skills with good presence and ability to influence and negotiate with senior leadership, experienced presenter and communicator
- Recognized internally and externally by key stakeholders; in depth understanding of external environment/trends; develops a strong professional network

The salary for this position is expected to range between $225,400 and $418,600 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.

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
Biomedical Research
Business Unit
Pharma Research
Location
USA
State

Massachusetts

Site

Cambridge (USA)

Company / Legal Entity

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

Alternative Location 1

Basel (City), Switzerland

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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