

Global Head, Clinical Imaging and Analytics

Job ID

REQ-10053584

Jun 04, 2025

Switzerland

Summary

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

Major accountabilities:

- 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
- Team management and responsibility for a group of 10-30 Associates

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

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

Languages: Fluent in oral and written English

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>

Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to diversity.inclusion_ch@novartis.com 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 hear more about Novartis and our career opportunities, join the Novartis Network here: <https://talentnetwork.novartis.com/network>

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>

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Division

Biomedical Research

Business Unit

Pharma Research

Location

Switzerland

Site

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Alternative Location 1

Cambridge (USA), Massachusetts, USA

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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