

Sr. Specialist - AI & Computational Sciences

Job ID

391716BR

Aug 19, 2024

Ireland

Summary

About the role : The AI & Computational Sciences (AICS) is the dedicated AI and ML team at Novartis Biomedical Research (BR) innovating across the drug discovery continuum. We aim to accelerate discoveries of transformative medicines for patients worldwide. AICS is seeking a highly motivated contributor to the domain of AI/Machine Learning to push the frontier in Life Sciences and drug discovery. At AICS, you will take on a hands-on leadership role at the intersection of science, R&D and real-world impact. You will be a part of a truly unique organization with an inter-disciplinary team made up of accomplished scientists who are at the forefront of AI in drug discovery. You will have the opportunity to shape the next wave of drug discovery, combining insights from a wealth of data modalities including diverse omics types like genomics, transcriptomics (including spatial and single-cell), proteomics, compound structures, compound activity, protein structures, measurements from cellular experiments and safety studies, histopathology, clinical imaging, and clinical readouts.

About the Role

MAJOR RESPONSIBILITIES:

- Implement, Validate, and Deliver AI and Deep Learning models to ensure project success.
- Quickly learn the data science environment important to each project: Compute, Data Management, Data Interpretation, etc.
- Evaluate and recommend technical approaches (algorithms and architectures) to solve domain data science problems.
- Evaluate and Communicate critical results to non-data science SMEs

ESSENTIAL REQUIREMENTS:

- Advanced degree (Master's+) required in a technically relevant program: e.g. Computer Science, Computational Biology/Chemistry, Physics, etc.
- Solid experience in Python and general AI Modeling/tooling expertise
- Proven ability to work and collaborate with a cross functional, multi-disciplinary team
- Proficiency in English (written and oral)

NICE TO HAVE:

- Experience with multi-modal data a bonus (e.g. EEG, text, multi-omics (scRNA, transcriptomics, etc))

Why consider Novartis?

769 million. That's how many lives our products touched in 2019. And while we're proud of that fact, in this world of digital and technological transformation, we must also ask ourselves this: how can we continue to improve and extend even more people's lives?

We believe the answers are found when curious, courageous and collaborative people like you are brought together in an inspiring environment. Where you're given opportunities to explore the power of digital and data. Where you're empowered to risk failure by taking smart risks, and where you're surrounded by people who share your determination to tackle the world's toughest medical challenges.

Imagine what you could do at Novartis!

COMMITMENT TO DIVERSITY & INCLUSION:

Novartis embraces diversity, equal opportunity and inclusion. We are committed to building diverse teams, representative of the patients and communities we serve, and we strive to create an inclusive workplace that cultivates bold innovation through collaboration, and empowers our people to unleash their full potential.

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>

Division

Biomedical Research

Business Unit

Innovative Medicines

Location

Ireland

Site

Dublin (Novartis Corporate Center (NOCC))

Company / Legal Entity

IE02 (FCRS = IE002) Novartis Ireland Ltd

Functional Area

Data Science

Job Type

Full time

Employment Type

Regular

Shift Work

No

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

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