NOVARTIS

Spatial Biology Data Scientist

Job ID
REQ-10092088
Ноя. 10, 2026
Швейцария

Сводка

Location: Basel - Onsite
#LI-Onsite
This role will offer relocation assistance

The Immunology Data Science and Molecular Pathology teams in Biomedical Research at Novartis work at the intersection of multi-omic spatial profiling, digital pathology, and advanced spatial & imaging AI models. We are recruiting a data scientist with deep expertise in spatial data analysis (imaging and/or spatial transcriptomics), experience with extracting biological insights from such data, and a strong interest in translational research.

The role will apply AI models and develop analysis pipelines for spatial profiling data. The scientist will become part of a multidisciplinary team of pathologists, data scientists, technology experts, and drug discovery teams to generate and test hypotheses, identify pathogenic mechanisms, and help discover biomarkers and clinically relevant biological features. In addition to contributing to individual drug discovery programs, the scientist will help shape the organization's spatial biology and digital pathology strategy, ensuring that emerging technologies, data standards and analytical capabilities enable integrated, scalable and AI-ready approaches to understanding tissue biology.

About the Role

Key responsibilities:

- Design and contribute to spatial biology studies addressing biological and translational questions from drug discovery projects.
- Develop analysis approaches, best practices and computational pipelines for spatial profiling data, including multiplexed imaging and spatial transcriptomics.
- Modify and apply AI approaches to extract biologically meaningful insights from complex multimodal datasets.
- Support the onboarding, assessment, and use of spatial data analysis methods, platforms and databases.
- Stay current with advances in spatial profiling data analysis and AI modeling, propose and test new methods, work in close collaboration with data scientists to harmonize analytical approaches.
- Work closely with pathology and biology experts to ensure spatial findings are interpreted in their appropriate morphological and disease context.
- Support scientific publications and present at external and internal conferences.

Requirements

- Ph.D. in Machine Learning, Computational Biology or related field. Candidates with MSc in Machine Learning, Computational Biology or related field, with 4+ years of relevant industry experience will also be considered.
- Experience with spatial transcriptomics, spatial proteomics, multiplex tissue imaging, digital pathology and/or related tissue-based technologies.
- Hands-on experience with common data analysis frameworks and data formats, and with standard image analysis tools used in pathology labs.
- Excellent programming skills both in python and R; openness to learning new tools and technologies; familiarity with models and harnesses for AI-assisted coding.
- Strong communication and collaboration skills with the ability to communicate complex data insights and recommendations to cross-functional teams.
- Demonstrated contribution to biological interpretation of spatial profiling data, including scientific publications and conferences.

Rewards

At Novartis, we’re committed to reimagining medicine together - and rewarding the people who make it happen.

The rewards of being part of our team go far beyond base pay and incentives. We also offer a variety of competitive benefits in kind to help you thrive personally and professionally, such as insurance plans, retirement plans, wellbeing resources and global recognition programs. In addition, we provide flexible and hybrid working options, where possible, and a minimum of 14 weeks paid parental leave.

Expected Annual Base Salary Range for role:

- Switzerland: 102,200.00 - 189,800.00 CHF Annual

The salary offered is determined based on gender-neutral objectives, such as relevant skills, competencies and experience in accordance with the Novartis pay setting policy and upon joining Novartis will be reviewed periodically.

In addition to your base salary, you may be eligible for a performance-based bonus depending on certain performance parameters. Further details will be provided during the application process.

Pay equity is a fundamental principle of our employment policy and reflects our commitment to create a diverse, equitable and inclusive environment that treats all employees with dignity and respect, as outlined in our Code of Ethics.

Read our brochure to learn more about our global total rewards offering: https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf

Note: Benefits and compensation may vary by country and are subject to local legal requirements, including provisions of collective bargaining agreements where applicable. A full overview of your compensation package, including any relevant collective bargaining agreement details applicable to your role based on your employment location and Novartis employer entity, will be communicated separately to you during the application process.

Commitment to Diversity and Inclusion / EEO paragraph:

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

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

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

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Primary location salary range
CHF102,200.00 - CHF189,800.00
Дивизион
Biomedical Research
Business Unit
Research
Место
Швейцария
Сайт
Basel (City)
Company / Legal Entity
C028 (FCRS = CH028) Novartis Pharma AG
Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No

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List of links present in page

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2. https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf
3. https://www.novartis.com/about/strategy/people-and-culture
4. https://www.novartis.com/careers/benefits-rewards
5. https://www.novartis.com/about/strategy/people-and-culture
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