NOVARTIS

Senior Expert Science & Technology – Data Science in Downstream Process Development

Job ID
REQ-10051644

May 22, 2025

Austria

Summary

Location: Schaftenau, Austria
Role Type: Hybrid Working, #LI-Hybrid

Our Downstream Development team plays a crucial role in the late-phase development and transfer of biopharmaceutical drug substance (DS) processes. We are contributing significantly to bringing innovative biopharmaceutical drugs to the market and are dedicated to leveraging data science and digital initiatives to drive innovation and efficiency.

We are currently seeking a highly skilled and motivated Senior Expert to join our dynamic DSP Development team focusing on data Science and digital initiatives. In this role, you will be responsible for leading data science projects as part of the portfolio pipeline projects in downstream process development. You will develop innovative solutions and support digital transformation initiatives. Your expertise will be crucial in supporting our data and digital initiatives, ensuring that our data strategies are aligned with our business goals.

About the Role

Key Responsibilities:

Your responsibilities include, but are not limited to:

• Own and develop the data structure for downstream process development activities

• Design and optimize data flows to support business objectives

• Develop and implement data-driven solutions to enhance decision-making processes

• Collaborate with cross-functional teams to drive digital transformation initiatives

• Support and enhance data and digital use cases by providing expert insights and solutions

• Support automation initiatives by generating experimental data for process modeling in late-phase development, enabling targeted process characterization efforts

• Implementing automated systems at laboratory and pilot scale

• Perform chromatography steps, cross flow filtration / tangential flow filtration and other membrane separation methods for purification of recombinant proteins as part of process development and characterization at laboratory and pilot scale

Requirements:

• Completed studies in Biotechnology, Process Engineering, Biology, Pharmaceutical Technology, Technical Chemistry, Pharmacy, Data Science or Computer Science (or comparable), ideally with several years of industry experience

• Experience in data science, data engineering, and digital initiatives

• Strong expertise in designing and optimizing data flows

• Experience with data visualization tools and techniques

• Experience in Downstream Processing, in particular with chromatography systems, e.g. ÄKTA systems

• Proficiency in programming languages such as Python, R, or SQL

• Excellent problem-solving skills and the ability to think critically

• Strong communication and collaboration skills

Language skills:

• Fluency in English

You'll receive:

You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. https://www.novartis.com/careers/benefits-rewards

In addition to a market-competitive base salary, we offer an attractive incentive program, a modern company pension scheme, childcare facilities, learning and development opportunities as well as worldwide career possibilities within the Novartis group. In accordance with Austrian law, we are obliged to disclose the minimum salary as stated in the collective bargaining agreement. For this position the minimum salary is € 61.400/year (on a full-time basis).

We also offer a potential market oriented excess payment in line with your experience and qualifications.

Commitment to Diversity & Inclusion:

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

Adjustments for Applicants with Disabilities:

If because of a medical condition, physical disability or a neurodiverse condition you require an adjustment during the recruitment process, please reach out to disabilities.austria@novartis.com and let us know the nature of your request as well as your contact information. The support which we can provide will include advice on suitable positions as well as guidance at all stages of the application process. Austrian law provides candidates the opportunity to involve the local disability representative, Behindertenvertrauensperson (BVP), in the application process. If you would like to request this, please let us know in advance as a note on your CV.

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

Development

Innovative Medicines

Austria

Schaftenau

Company / Legal Entity
AT33 (FCRS = ATO33) Novartis Pharmaceutical Manufacturing GmbH

Functional Area
Research & Development

Full time

Regular

Shift Work
No

Apply to Job.

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List of links present in page

1. https://www.novartis.com/careers/benefits-rewards
2. mailto:disabilities.austria@novartis.com
3. https://www.novartis.com/about/strategy/people-and-culture
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