Senior Expert Science & Technology – Data Science & Automation in Downstream Processing

Job ID
REQ-10065730

11   03, 2025

Austria

Location: Schaftenau, Austria #onsite

Role Purpose:
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 automation 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 automation. In this role, you will be responsible for leading data science and automation 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:

- Develop and evolve data and automation strategies for downstream process development activities
- Collaborate with cross-functional teams to drive digital transformation and automation initiatives
- Support and enhance data&digital and automation use cases by providing expert insights and solutions
- Stay up to date with the latest trends and advancements in data science and automation technologies
- Support and generating experimental data for process modeling in late-phase development, enabling targeted process characterization efforts
- Evaluation of new technologies and equipment for automation of laboratory activities
- 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
- Independently plan, organize, perform and document scientific experiments; handle several activities at a time
- Documentation of the studies in electronic documentation systems according to defined standards
- Generate scientific documents to hand over to internal and / or external partners and support generation of international registration documents under minimal supervision.
- Contribution to technology transfers to internal and external sites and definition of process steering controls

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 automation
- 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
- A personality with a can-do mentality and the ability to adopt to change with strong communication across organizational interfaces
- Fluency in English

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 € 65,605.54/year (on a full time basis). In most cases, the actual salary will be higher, as we strive to maintain a competitive

position in the market and consider your previous experience, qualifications and individual competencies.

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

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
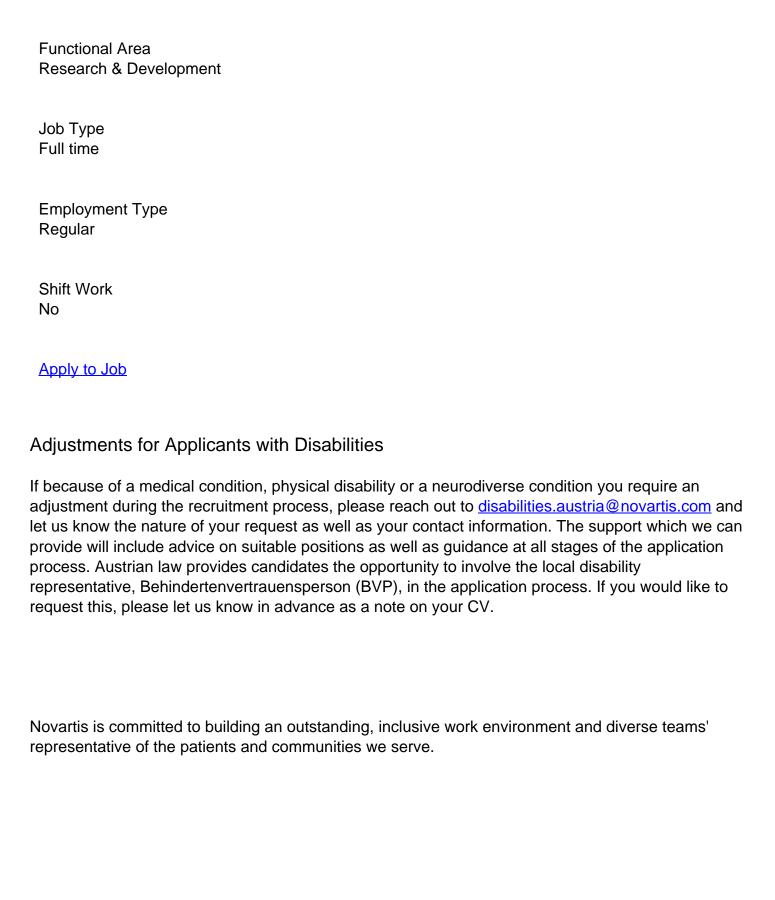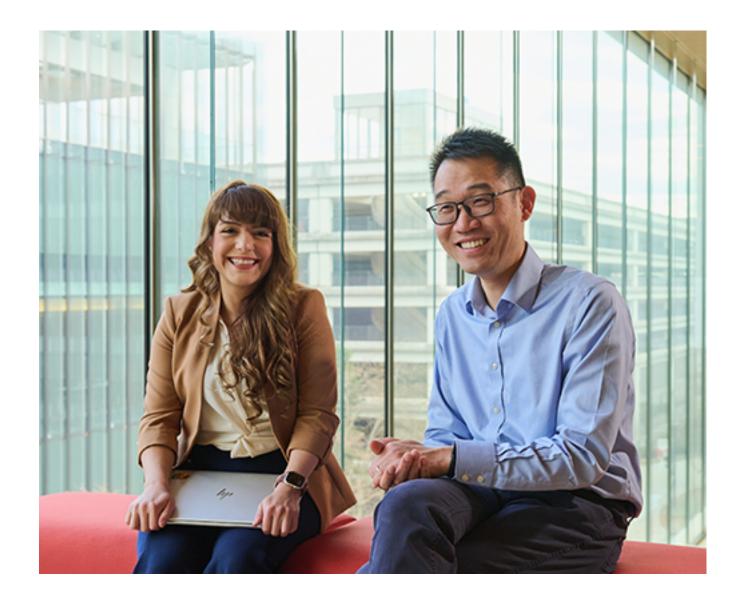
Development

Business Unit
Development

Austria

Schaftenau

Company / Legal Entity
AT33 (FCRS = AT033) Novartis Pharmaceutical Manufacturing GmbH

Functional Area
Research & Development

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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