

Senior Expert Science & Technology (Process Analytical Sciences)

Job ID
REQ-10075522
апр 13, 2026
Австрия

Сводка

Location: Schafteuau, Austria #onsite

Role Purpose:

We are seeking a Senior Analytical Expert with a strong passion for using data, data science approaches, and digital technologies to improve quality and efficiency in process analytical sciences applied to late-phase development of biologics. In this role, you will combine deep analytical expertise with a modern digital mindset—going beyond the application of digital tools to actively evolve how data is generated, integrated, and leveraged for decision-making, using advanced data analysis, automation, and scalable digital solutions to strengthen data-informed decisions and accelerate development.

You will work in close partnership with cross-functional teams across Analytical Development, Drug Substance (DS), Drug Product (DP) development, and digital/data experts to deliver robust analytical strategies aligned with Quality by Design (QbD) principles, and to systematically convert complex, multi-dimensional analytical data into actionable insights that guide project and portfolio decisions.

About the Role

Key Responsibilities

- Establish physicochemical analytical strategies for DS, DP, and process intermediates according to Quality by Design (QbD) principles, and scientifically guide matrix teams, ensuring that data generation is fit-for-decision and aligned with downstream data use.
- Analyze, interpret and contextualize analytical results and apply data science-driven, model-based, and digital solutions to increase efficiency and enable robust, transparent, and traceable data-informed decisions for DS / DP process / formulation development and characterization.
- Develop and continuously advance data analysis strategies in process analytical sciences, with a strong focus on embedding data science concepts and decision-support logic to strengthen quality, efficiency, and project-level decision-making together with DS and DP development partners.
- In strong collaboration with partners, design, build, and maintain simulation-based digital twins, and other predictive or decision-support models, incorporating demand forecasts, capacity constraints, policies, and operational variability (as applicable to the business context).
- Identify and improve data and automation use cases by providing expert insights, shaping how analytical and process data are combined, and delivering practical solutions and scientific guidance.
- Stay up to date with emerging trends and advances in data science, advanced analytics, automation technologies, and digital innovation relevant to analytical sciences.
- Support the creation of high-quality scientific documents for handover to internal and/or external partners, and support the preparation of international regulatory submission documents with minimal supervision, clearly articulating data-based rationales and decisions.

Qualifications & Experience

- PhD or Master's degree in pharmaceutical technology, biotechnology, chemical engineering, or a related scientific discipline.
- 2–5 years of experience in the biotech/pharmaceutical industry, with a focus on data science and analytical chemistry.
- Solid understanding of drug development under Quality by Design (QbD) principles.
- Excellent knowledge of data science and statistical data analysis, with a clear passion for using data to drive scientific and operational decisions, and for applying digital approaches to analytical sciences in drug development.
- Strong scientific/technical writing and presentation skills, with the ability to communicate data-based insights and recommendations effectively across disciplines.
- Open, curious, and problem-solving mindset, thriving in a dynamic environment requiring flexibility and continuous learning.
- Fluent English (written and spoken).

What You'll Bring (Success Factors)

- A strong blend of analytical expertise and data science capability, paired with pragmatic execution.
- Confidence working in matrix teams, influencing without authority, and translating complex datasets into clear, high-quality decisions.
- A drive to improve both scientific outcomes and operational efficiency through data-driven modeling, automation, and scalable digital solutions.

Austria 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.

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

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: Learn about all the ways we'll help you thrive personally and professionally. [Read our handbook \(PDF 30 MB\)](#)

Дивизион
Development
Business Unit
Development
Место
Австрия
Сайт
Schafftenau
Company / Legal Entity
AT33 (FCRS = AT033) Novartis Pharmaceutical Manufacturing GmbH
Functional Area
Research & Development
Job Type
Full time
Employment Type
Regular
Shift Work
No

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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