

Intern for GDC - Natural Products & Biomolecular Chemistry

Job ID
REQ-10033035
Dec 06, 2024
Switzerland

Summary

The Natural Products & Biomolecular Chemistry group is part of Global Discovery Chemistry (GDC) at the Biomedical Research in Basel, Switzerland, focusing on the discovery and development of compounds derived from natural sources for pharmaceutical use.

Oncology, Cardiovascular, Metabolic and Renal, Immunology and Neuroscience are the disease areas you will impact when collaborating across Biomedical Research (BR). This is the innovation engine of Novartis, focusing on powerful new technologies that have the potential to help produce therapeutic breakthroughs for patients.

About the Role

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Our work includes identifying new, biologically active natural products from microorganisms and optimizing producer strains through genetic and physiological strategies, combined with process development in our mid-scale fermentation plant.

As an intern in our dynamic and multidisciplinary microbial engineering team, you will embark on a 6-month journey to evaluate and implement cutting-edge technologies and processes for strain cultivation and genetic engineering, aimed at enhancing compound production.

Starting date: asap

Duration: 3-6 month

Location: Campus Basel

Your responsibilities:

- Perform standard and advanced cloning methods (Gibson assembly, recombination, CRISPR)
- Transform various microbial hosts
- Extract high-quality DNA for whole-genome sequencing
- Optimize cultivation conditions
- Evaluate data, generate reports, and contribute to the design and optimization of experiments

What you'll bring to the role:

- Recent Bachelor or Master graduate in a biology-relevant field (graduation no longer than one year ago)
- English, German/French is a plus
- Demonstrated expertise in microbiology, molecular biology, and biochemistry
- Experience and enthusiasm for developing and refining experimental methods
- Strong team player with a collaborative and proactive approach
- Experience in integrating wet lab data into databases to interpret results and plan future experiments (e.g. genome mining, cultivation optimization)

Accessibility and accommodation:

Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to diversity.inclusion_ch@novartis.com, and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

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

Pharma Research

Location

Switzerland

Site

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Functional Area

Others

Job Type

Full time

Employment Type

Early Career (Fixed Term)

Shift Work

No

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