

Postgraduate Role in RNA Therapeutics

Job ID
REQ-10036021

1月 10, 2025

Switzerland

摘要

We are seeking a highly motivated postgraduate student with practical experience in pre-clinical pharmaceutical development to join the xRNA group within BRC in Basel, Switzerland.

RNA therapeutics have emerged as a powerful platform for the treatment of various diseases. The xRNA group works collaboratively with Disease Area groups to optimize siRNA drugs and extend their use to more therapeutic targets. This Postgraduate will support the structure-activity-relationship investigations of siRNA conjugates, contributing to the development of novel extrahepatic siRNA therapeutics. The ideal candidate will have hands-on experience in cell culture, compound analytics, and molecular biology techniques.

Preferred start date: April

Duration: 12 months

Location: Campus Basel

About the Role

Major accountabilities:

- Conducting cell-based assays to screen and evaluate different siRNA conjugate formats.
- Collaborating with in vivo teams to establish in vitro-in vivo correlation and identify the structure-activity relationship of siRNA therapeutics.
- Collecting, analyzing, and accurately documenting experimental data using an electronic lab book.
- Presenting scientific interpretations and findings in internal meetings.
- Assisting in the automation of cell culture workflows to improve efficiency and reproducibility.

Minimum Requirements:

- Recent Master graduate with a degree in Biotechnology, Biology, Bioengineering, Biochemistry, Pharmaceutical Sciences, or similar
- Proficient in English (written and spoken)
- Good theoretical and practical experience in molecular biology (qPCR, PAGE, Flow cytometry)
- Extensive hands-on experience in cell culture and screening
- Capability of running experiments independently
- Excellent team player

Desirable Requirements:

- Prior experience in the cellular and functional characterization of oligonucleotides
- Experience with 3D cell culture
- Experience with automation in cell culture workflows
- Experience working with primary cells

Accessibility and accommodation

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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>

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部门

Biomedical Research

Business Unit

Pharma Research

地点

Switzerland

站点

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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