

Postgraduate Cell and Gene Therapy (AAV)

Job ID
REQ-10031529
Dec 13, 2024
Switzerland

Summary

We are seeking a highly motivated postgraduate student with enthusiasm for AAV productions to join our dynamic and experienced cell and gene therapy team for a 10-month internship. This position resides in the Cell and Gene Therapy (CGT) group within Biologic Research Center (BRC) in Basel, Switzerland.

Adeno-associated virus (AAV) have become popular for safe and efficient gene therapies, however capsid modifications are crucial to enhance specificity and to reduce immune responses. Our AAV capsid engineering team is developing, screening and ranking novel capsids. This Postgraduate role will support our technology development by setting up a small-scale AAV production, purification and screening workflow that is contributing to the development of novel AAV vectors.

Please attach a cover letter explaining your motivation.

Preferred start date: March 1st 2025
Duration: 10 months

About the Role

Major accountabilities:

- Perform small-scale AAV productions (24-deep well format)
- Establish and compare several AAV purification methods followed by analytics
- Screening and ranking of AAV candidates in cell culture assays using flow cytometry or luciferase readout
- Collect, analyze and document (using electronic lab book) experimental data
- Presenting protocols and results in internal lab group meetings

Minimum Requirements:

Work Experience:

- Hands-on experience in cell culture techniques (suspension or adherent cell lines and transfection methods)
- AAV or protein production and purification experience is a strong plus
- Knowledge in screening techniques such as Flow cytometry or Luciferase readout

Skills:

- Recent master graduate (no longer than 1 year ago) with a degree in Virology, Life Sciences, Biology, Molecular Medicine, Biotechnology or related disciplines

Languages :

- English

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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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