



ESPA

12 Month Biological Science Internship-Gene Therapy Development and Manufacturing (OXFGTM2303)

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Start date

September 2020

Duration

12 months

Languages

Good spoken and written English levels are required (B2 onwards)

Location

Oxford, England

The city of Oxford rivals London when it comes to the title of “most known city” in the UK. This is because of its magnificent history and the presence of Oxford University, one of the most renowned universities in the entire world. Amazing medieval architecture blends well with the modern aspect of the city where you can eat, drink, shop, explore and have a great time.

Are you eligible?

Are you a registered student?

Or

Are you eligible to participate in the Erasmus+ programme?

Benefits

See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

Role

This is a unique opportunity for an ambitious science student to gain first-hand experience in gene therapy development and manufacturing. Working with the process development team, you will be involved in production, purification and analysis of viral vectors used within cell and gene therapy industry. The successful candidate will have opportunity to work with cutting edge equipment and technologies within a team of dedicated scientists and engineers.

Tasks

- Mammalian cell culture for suspension cell lines in aseptic conditions
- Maintenance, preparation, operation and cleaning of bioreactors
- Preparation of buffers and reagents used throughout the process
- Purification and concentration of viral vectors using chromatography and filtration
- Quantification of viral vectors using qPCR, ELISA and cell-based assays
- Qualitative assessment of biological molecules and data analysis

Desired Skills

- Working towards a degree in biology, for example biotechnology, molecular biology, cell biology, pharmacology, or chemistry, for example biochemistry or related life science degree
- Lab work experience relevant to biological R&D, either academic or industrial
- Ability to follow established protocols with flexibility to work on experimental methods
- Theoretical or practical understanding of biopharmaceutical industry and R&D
- Excellent communication, reporting, organisation and time management skills

Personality:

- Enthusiastic and ambitious
- Positive attitude and eagerness to learn new skills
- Diligence, attention to detail and analytical mindset

The Host Company

The host company, a leader in synthetic biology, is a specialist contract research organisation offering services to support the discovery, development and production of biologics and cell and gene therapies. A unifying theme across the portfolio is expertise in designing DNA, optimising expression of proteins, cell line development and improving viral delivery systems. The company is located within purpose-fitted laboratories. Currently in a phase of rapid expansion, this company will offer a truly rewarding experience.