



ESPA

12 Month Molecular Biology Internship- Antibody Manufacture and Cell Line Development (OXFMBAM2303)

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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 an exciting role for an enthusiastic scientist interested in antibody expression and cell line development to assist this expanding company. Working within the Antibody Therapeutics division, you will be involved in cell line development for stable cell lines overexpressing therapeutic antibodies. The role is suitable for a candidate with experience in mammalian tissue culture techniques, flow-cytometry, single-cell cloning, expression characterisation, and molecular biology. The successful candidate will acquire a broad range of skills and expertise in various techniques using cutting edge instrumentation and is guaranteed a fulfilling and challenging learning and working experience with this innovative host

Tasks

- Mammalian cell culture for both adherent and suspension cell lines
- Recombinant antibody expression in mammalian expression systems
- Expression characterisation by flow cytometry, HPLC, and ELISA.
- Generation of stable, clonal mammalian cell lines using limiting dilution and cell sorting instrumentation e.g. FACS
- Screening platform development for identification and characterisation of engineered cell lines

Desired Skills

- Working towards a degree in biochemistry, molecular cell biology or related life sciences
- Some direct laboratory experience relevant to biological R&D, either academic or industrial
- Highly developed interpersonal, written and verbal skills
- Very strong focus on generating high-quality data and with meticulous record keeping/data recording
- Able to routinely follow written and verbal instructions, often in the form of Standard Operating Procedures (S.O.P.s)

Personality:

- Individuals should be enthusiastic and be able to contribute actively to the team setting
- Diligence and an analytical mindset are essential for methodical working and recording and analysis of data
- Team player who understands the importance of their role within the group and strives to work harmoniously with other members of the team.

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.