



ESPA 12 Month Molecular Biology Internship (OXFMB1102)

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Start date

September 2019

Duration

12 months

Languages

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

Location

Oxford, England

One of the World's most famous university cities, Oxford is a beautiful place. It is steeped in history and studded with picturesque buildings, yet maintains the feel of a young city, thanks to its large student population. This buzzing city has something for all tastes.

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 Bioengineering student interested in the design of DNA to assist this expanding company. Working within the Molecular Biology team you will be involved in the engineering of DNA vectors for a variety of applications including protein expression, viral packaging and reporter and disease model cell line generation. You will use state of the art techniques for high-throughput vector development and contribute to technology development activities. The successful candidate is guaranteed a first class learning and working experience with this innovative host.

Tasks

- In-silico design of DNA constructs using internal DNA design software
- Manipulation and generation of DNA constructs using restriction enzyme, Gibson and Golden gate approaches
- Interaction with cell culture team for analysis of generated constructs
- Platform development for high-throughput cloning methods

Personal Skills

Essential:

- Bioengineering or related life sciences degree
- Some level of exposure to lab work relevant to biological R&D, either academic or industrial
- Highly developed interpersonal, written and verbal skills, including the ability to speak confidently in groups and to present work internally
- Excellent organizational and decision-making skills
- Strong time management skills with the ability to prioritize tasks and work under pressure

Personality:

- Individuals should be enthusiastic and be able to contribute actively to the team setting
- Diligence and an analytical mindset is essential for methodical working and recording and analysis of data

The Host Company

The host company, a leader in synthetic biology, is a specialist contract research organization 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, optimizing 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.