



ESPA 12 Month Bioengineering Internship (OXFBE2303)

Apply here

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 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 and libraries 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

Desired Skills

- Working towards a degree in Bioengineering or related life sciences degree
- Some exposure to laboratory 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, recording and data analysis

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.