

**ESPA**

12 Month Molecular Biology Internship-Viral Design and Discovery (OXFMBVD2303)

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 outstanding opportunity for a dedicated scientist to learn from the best and develop hands-on experience and transferable skills in a rapidly expanding and highly competitive area of modern molecular biology. Working within the Viral Development and Discovery Team, you will be involved in the design, development and production of viral vectors for gene therapy and cell engineering. The team have extensive expertise in the use of adenoviral, adeno-associated virus, and lentiviral vectors and have developed innovative methods for virus production and the generation of viral-based combinatorial libraries.

Tasks

- Design and engineering of viral vectors
- Cell culture and production of transducing viral stocks
- Viral analytics and infection of target cells
- Analysis of both viral and cellular genes involved in virus production

Desired Skills

- Working towards a degree in biochemistry, molecular biology, virology or related life science degrees, a knowledge of viral replication strategies would be helpful but not essential
- Some level of exposure to laboratory work relevant to biological R&D, either academic or industrial
- Good interpersonal, written and verbal skills, and a desire to develop the ability to speak confidently to peer groups and to present work internally
- Computational and/or bioinformatics skills would be helpful
- Good organizational and decision-making skills
- Strong time management skills with the ability to prioritise tasks

Personality:

- A conscientious, enthusiastic, and outgoing personality with the ability to work as part of a team
- Close attention to detail and the capacity to work under precise guidelines is required

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.