



ESPA 12 Month Bioinformatics Internship (OXFBI804)

Apply here

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 and dynamic role for a bioinformatics or molecular biology student with programming experience. Mentored throughout, you will participate in a range of different projects and services from standard NGS work with RNA-Seq, to CRISPR variant calling, sgRNA design and R&D projects, such as viral engineering and synthetic promoter design. The successful candidate is guaranteed a first-class learning experience in programming languages and NGS data analysis.

Tasks

- Work within the bioinformatics team to develop and define approaches to data analysis, in line with requirements from scientist colleagues
- Run standard and in-house bioinformatics programs to analyse NGS data
- Assist with improvements to bioinformatics pipelines related to CRISPR screening and antibody design
- Generate reports and interact with scientists to ensure efficient knowledge transfer

Personal Skills

Essential:

- Bioinformatics, molecular biology or related life sciences degree
- Experience in programming languages relevant to biological data processing
- Exposure to NGS data analysis
- 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.