

## **Pfizer UK Undergraduate Programme 2018/2019**

### **Analytical Chemistry Undergraduate**

Analytical Research and Development

Small Molecule Pharmaceutical Sciences

### **Department Overview**

Analytical Research and Development (ARD) is responsible for providing a wide range of analytical testing to support the development, testing and release of materials to be used in clinical trials. ARD has a comprehensive suite of modern analytical equipment that is utilised to assess the quality of active pharmaceutical ingredients (API), novel dosage formulations and drug delivery systems. We manage, visualise and interpret the data we generate, to convert it into knowledge that establishes the quality of new medicines.

The department comprises scientists with skills in separation sciences, automation and informatics, structure elucidation, trace analysis, dissolution, stability assessment and process analytical technology.

### **What can I achieve and what will I be responsible for whilst completing a placement at Pfizer?**

A placement year in ARD provides excellent industrial experience and practical use of state-of-the-art analytical instrumentation. Analytical data are the currency of communication in a science-led business, and undergraduates in ARD will develop a much better understanding of the interplay between existing knowledge, practical laboratory science and computational methodologies for experimental prediction and data mining.

The projects available in ARD will focus on some of the following areas:

- Chem-informatics tools for managing and interpreting data
- Application of novel software to predict and/or model molecular behaviour
- Design and application of chromatographic and spectroscopic methods
- Technologies for on-line measurements in manufacturing environments

You will be assigned one or more projects in the above areas, and develop strong team-working skills as you grow and develop your knowledge. You will be expected to provide creative input into your project, and present progress and findings throughout the execution of your work.

Pfizer also offers a diverse environment which allows employees numerous opportunities to grow and develop. This is a great chance to be part of the bigger picture, and to assist in ensuring Pfizer maintains a strong and diverse workforce as well as developing a talent pipeline of future Pfizer colleagues. It is also a fantastic way to obtain a better understanding of the pharma industry and the type of roles it has to offer.

### What other opportunities and benefits do Pfizer offer?

In a laboratory-based role, you will find our facilities amongst the best in the industry, and you will have the opportunity to work independently with state-of-the-art instrumentation and informatics infrastructure. In addition to developing your laboratory skills, many undergraduates find the time to support Pfizer's outreach activities, at Science Fairs, and through our STEM networks. We also support colleagues who wish to develop their presentation skills to a high level.

### When can I start?

Placements will start on 3rd September 2018 and will run for 12 months.

### PERSON SPECIFICATION

Type of person we are looking for, in relation to 'Skills', 'Knowledge' and 'Motivation':

- On target for a 2:1 Degree Classification
- Studying for a degree with significant chemistry component
- Strong mathematical/statistical skills, with interest in computational/programmatic methods for data mining and modelling
- Enthusiasm for making measurements using contemporary analytical instrumentation
- Interested to explore analytical chemistry as a career choice
- Confident to work independently, with good team working abilities
- Quick to learn, and flexible approach to assigned activities

**Please note that we only accept application forms. Please do not send over your CV or cover letter as they will not be considered.**