

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

### **Synthetic Organic Chemistry Undergraduate**

Pfizer Global R & D/ Pharmaceutical Sciences

Chemical Research & Development

#### **Department Overview**

Once a compound of interest has been discovered the story continues in Chemical R&D. Our chemists are responsible for the design and development of the safest, most economical and environmentally friendly route available and also for the synthesis of larger batches of drug substance to support clinical trials. The range in scale varies from milligrams to multiple kilograms in our state of the art pilot plant facility.

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

The department is grouped into small teams responsible for their projects and you would join one of these.

You will work with an experienced chemist who will provide day-to-day guidance, with the aim of enabling you to contribute with a decreasing level of supervision as your experience and independence increases.

During your year with us in Chemical R&D you will:

- Carry out laboratory scale synthesis and purification of compounds that are potential drug candidates.
- Gain an appreciation of accepted practices to ensure safe and productive working in the laboratory.
- Attain a working knowledge of state-of-the-art spectroscopic techniques, including hands-on high field NMR and mass spectroscopy.
- Gain a sound understanding of what makes a good process and understand some of the challenges involved in scaling chemistry to a larger scale.
- Increase your knowledge of both practical and theoretical organic chemistry.
- Potentially have the opportunity to use a range of automated pieces of equipment to help improve your efficiency.
- Become familiar with the use of the library and on-line searching of chemical databases.
- Gain experience of working in a team, and develop your all round communication skills.

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

You will have an opportunity to share your experience with local schools as part of the Pfizer STEM programme .

### When can I start?

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

### PERSON SPECIFICATION

- A keen interest and knowledge of fundamental organic chemistry
- Excellent written and verbal communication skills
- A willingness to learn, develop and be stretched in a professional scientific environment

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