

Pfizer UK Undergraduate Programme 2019/2020

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?

ROLE PURPOSE

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

MAJOR DUTIES AND RESPONSIBILITIES

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.

When can I start?

Placements will start on 2nd September 2019 and will run for 12 months.

PERSON SPECIFICATION

We are looking for chemists with a keen interest in synthetic organic chemistry

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