

Pfizer UK Undergraduate Programme 2018/2019

CRD Labs Chemical Engineering Undergraduate

Pfizer Global R&D - Pharmaceutical Sciences

Chemical Research & Development

Department Overview

The Pharmaceutical Sciences Department is responsible for the development of novel pharmaceuticals from the Human Medicine Discovery department. Once a drug candidate has been selected it is passed to Chemical, Research and Development (CRD), who will work to design and identify the most economically viable synthetic routes specific to the drug candidate. The selected route is then developed and modified into a safe, environmentally friendly, cost effective, reproducible manufacturing process within the Pilot Plant and ultimately transferred into our commercial production facilities in Ireland.

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

The successful candidate will be based in the UK Engineering Technology group within Sandwich CRD labs but will be liaising very closely with the Sandwich APIM Engineering group based in the PP and with the US Engineering Technology group, based in Groton, assisting with activities targeted at improving our predictive scale-up capabilities.

During your year with us in Sandwich CRD Labs you will be involved in a variety of tasks depending upon the placement, which may include:

- Process scale-up prediction from lab to Pilot Plant and to manufacturing scale plant
- Process and equipment problem solving and troubleshooting
- Design of lab reactor configurations to produce better correlations methodologies
- Gaining process and equipment understanding at lab and plant scale through use of process analytical technologies.
- Development and trials of new manufacturing technologies
- Gain expertise in utilising and applying advanced engineering software including Aspen, DynoChem, Visimix, Fluent to solve scale-up challenges and improve process predictive performance.

Throughout this placement you will increase your knowledge in aspects of both practical and theoretical chemical engineering whilst developing your interpersonal, team and communication skills. You will work with organic chemists, analysts, Pilot Plant and US chemical engineers and specialists in kinetics, crystallisation, hydrogenation and Process Safety.

What other opportunities and benefits do Pfizer offer?

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.

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'**:

- Applicant should be studying for a chemical engineering degree or similar.

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