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Start date

Flexible

Duration

6 months

Languages

Good spoken and written English levels are required (B2 onwards)

Location

Cambridge, England

Home to the world-famous University of Cambridge, dating back to 1209, this historical city has beautiful architecture and majestic college buildings aplenty. With fascinating museums, atmospheric pubs, fine dining, incredible street food and ancient colleges all jostling together in the city centre, as well as the beautiful riverside and open green spaces, you are guaranteed a great experience.

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 a fantastic opportunity for an enthusiastic Science student to gain practical experience in the development of ground-breaking new agrochemicals. Laboratory based, you will be mentored throughout and assist in the development of an innovative technology that allows slower and more controlled delivery of drugs and chemicals using metal-organic frameworks (MOFs). This is a real chance to showcase your talents, take ownership of an innovative project and contribute to the future of this important industry. This will be a great experience to develop both personal and professionally as well as being an invaluable addition to your CV.

Tasks

Throughout the course of the internship, the successful candidate will assist in the following:

- Loading, amorphisation and characterisation of selected MOF adducts
- Measurement of AI release rates in aqueous solution
- Analysis of the results and participation in selection of the best performing materials
- Completion of the interim report and discussions with the client company
- Preparation of the field trial samples
- Completion of the final report
- Further discussions with the client on scale-up and commercialisation

Personal Skills

- Studying for a degree in Chemistry, Biochemistry or Agrochemical or other relevant
- A pro-active approach. The host will expect you to make the project happen
- A willingness to participate in the commercial decisions that will affect the long-term value of the business.
- Excellent communication skills at all levels

The Host Company

The host company has been evolved from research at the University of Cambridge and has developed an innovative way that allows slow release of chemicals and drugs used in the agricultural industry. This host has generated a lot of interest and has now received investment from a top UK specialist asset management company. They are now seeking a talented Science student to join them in developing this ground-breaking technology.