Leicester Institute for Structural and Chemical Biology and the Department of Molecular and Cell Biology

Four fully-funded 3-year PhD studentships starting late September 2019

Realise your research ambitions in state-of-the-art research laboratories with world class facilities and expertise. You will be joining a dynamic and multi-disciplinary community with over 200 researchers located within a purpose-built research building.

Research in the Leicester Institute of Structural and Chemical Biology (https://www2.le.ac.uk/institutes/liscb) and the Department of Molecular and Cell Biology (https://www2.le.ac.uk/departments/molcellbiol) focuses on understanding the fundamental mechanisms of life, and disease, at both a molecular and cellular level. Key areas of study include the mechanisms controlling gene expression, cell proliferation and differentiation, and the regulation of channels, receptors and signalling pathways. This fundamental research underpins translational studies to further our understanding of the biochemical mechanisms of human disease, including cancer biology and structure-based drug design. Details of specific projects and supervisors can be found here.

Our major research facilities include:
- Advanced Imaging Facility for research at both the cellular and single molecule level
- Structural Biology Facility including Cryo-electron Microscopy, X-ray crystallography & Nuclear Magnetic Resonance
- Powerful GPU & CPU based computing facility to support advanced research technologies.

Alongside these facilities you will have access to multiple services to accelerate your research.

We are looking for highly motivated students with enthusiasm to work on advanced research projects that will transform our understanding.

Students will benefit from joining a community of like-minded post-graduate research students. We have a well-established support structure for all students that includes a program of regular meetings with second-supervisors and committee members to ensure the highest quality of research supervision.

Eligibility
- Studentships are available to UK and EU citizens
- Applicants should hold a first class or upper second class honours degree (or equivalent) in an appropriate biological sciences or chemical biology subject
- Non-native English speakers should meet the University of Leicester English language requirements, holding an IELTS score of 6.5 or higher (or equivalent)
How to apply:
You should submit your application using our online application system.
Apply for Molecular and Cell Biology Research/September 2019
In the funding section of the application please indicate you wish to be considered for a LISCB/MCB 2019 Studentship

In the Proposal section of the online application please list the names of the supervisor/projects you want to be considered for. (You do not need to submit a separate application for each project)

Provide a personal statement which explains why you want to work in this area and describes any relevant research experience - for example, as part of a previous degree.

For further information contact mcb-pgr@le.ac.uk