

Early Drug Discovery

Module Overview

The focus of this module is pre-clinical drug development in pharmaceutical biotechnology. It will cover small molecule drug discovery, including target identification, assay creation, hit-to-lead, and proof-of-concept pre-clinical method development. Additionally, it will encompass sourcing drug development compounds and projects through technology audits and licensing-in. Finally, the module will examine the science behind, and clinical application of, recent successful drug candidates.

Credits

20 Masters level credits

Module Attendance Required

TBC, 30 hours contact time with lectures and small group teaching sessions

Module Dates

TBC

Assessment

This module will require a 2500 word journal report worth 30%, a poster presentation also worth 30% and a short answer MCQ exam worth 40%

Academics involved in the delivery of this module

- Dr. Paul Foster (Deputy Programme Lead, Module Lead, and Lecturer in Molecular Endocrinology) – University of Birmingham
- Prof. Nick Barnes (Programme Lead and Professor of Neuropharmacology) – University of Birmingham
- Prof. Benjamin Wilcox (Professor of Molecular Immunology) – University of Birmingham
- Dr. Gareth Lavery (BBSRC David Phillips Fellow) – University of Birmingham
- Dr. Kevin Whitehead (Lecturer in Neuropharmacology) – University of Birmingham
- Dr. Christopher Ireson (Group Leader – Functional Pharmacology) – Cancer Research Technologies Ltd. UK.
- Dr. Richard Foster (MCCB Technology Group Leader) – Leeds University
- Dr. Laura Gathercole (Deputy Module Lead and Research Fellow) – University of Birmingham

How to register/apply

Contact our Course Administrator:

Angela Oakley

A.Oakley@bham.ac.uk (<mailto:A.Oakley@bham.ac.uk>)

(0121) 415 8118

[Study here and find out why the University of Birmingham was awarded The Times and The Sunday Times University of the Year 2013-14](http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx)

<http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx>

Course fact file

Type of Course: Module

Contact

[Follow us on Twitter \(http://twitter.com/unibirm_MDS\)](http://twitter.com/unibirm_MDS)

[Contact us on Facebook \(http://facebook.com/collegemds\)](http://facebook.com/collegemds)