

DRUG DISCOVERY (MRes/PgDip)

91B200H9/92B200H9/92B200VX

Duration: 12 months full-time (MRes/PgDip).

Content: The taught courses will comprise lectures, tutorials, practical classes and small group demonstrations in laboratories. The curriculum includes aspects of drug discovery, drug development and drug design as well as drug transport, metabolism and excretion, molecular biology and bioanalytical methods e.g. mass spectroscopy, statistics, computing studies.

Candidates shall be required to attend the following designated programme of courses.

Stage 1

GS50M2 Study Skills for Life (0 credit points)
MT5003 Drug Metabolism and Toxicology (15 credit points)
MT5010 Basic Skills – Induction (0 credit points)
BT5013 Small Molecule Drug Discovery (15 credit points)
BT5012 Introduction to Bio-Business and the Commercialisation of Biosciences Research (15 credit points)

*Plus **one** of the following electives*

MT5024 Molecular Pharmacology (15 credit points)
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PU5017 Applied Statistics (15 credit points)
MB5025 Molecular Genetics (15 credit points)

Stage 2

GS55M2 Beyond your Degree (0 credit points)
MT5513 Research Project 1 (60 credit points)

Above courses contribute to degree award. The following courses are available as additional optional credits

BT5508 Advanced Bio-Business and the Commercialisation of Bioscience Research (15 credit points)
BT5509 Biologic Drug Discovery (15 credit points)
MT5515 Basic Research Methods (15 Credit points)

Stage 3

MT5903 Research Project 2 (60 credit points)

Assessment: By practical work, by written essays and by oral presentations, or by a combination of these, as prescribed for each course. The project will be assessed on the basis of performance, written thesis, and oral presentation. There will usually be an oral examination to complete the programme. Candidates must pass all courses at an appropriate standard for the award of the MRes degree.