

POSTGRADUATE CERTIFICATE IN MOLECULAR CELL BIOLOGY WITH BIOINNOVATION

Overview

Status: Not on offer

National Framework Of Qualifications (NFQ) Level: 9

NFQ Award Class: Minor Award

Exit Award only

Students on the MSc (Molecular Cell Biology with Bioinnovation) (<https://ucc-ie-public.courseleaf.com/programmes/mscmcb/>) programme passing modules to the value of at least 30 credits (including ML6004, ML6006, ML6002 and ML6005) and achieving an aggregate pass across all taught modules to the value of 50 credits may opt to exit the programme and be awarded a Postgraduate Certificate in Molecular Cell Biology with Bioinnovation. Similarly, students who pass the taught modules and do not wish to complete the research dissertation may opt to be conferred with a Postgraduate Certificate in Molecular Cell Biology with Bioinnovation.

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

Programme Requirements

Code	Title	Credits
Students take 50 credits as follows – all listed core modules (45 credits) and elective modules to the value of 5 credits:		
<i>Core Modules</i>		
IS6306	Technology Business Planning	5
MG6705	Marketing for Entrepreneurs	5
ML6002	Biological and Clinical Perspectives of Human Disease	10
ML6003	Scientific Communication of Current Topics in Molecular Cell Biology	5
ML6004	Cell and Molecular Biology	10
ML6005	Molecular Techniques in the Life Sciences	5
ML6006	Human Molecular Genetics and Genetic Engineering Techniques	5
<i>Elective Modules</i>		
Students take modules to the value of 5 credits from the following:		5
IS6307	Creativity and Opportunity Recognition (5)	
LW6104	Principles of Intellectual Property Law (5)	
Total Credits		50

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

Programme Learning Outcomes

Programme Learning Outcomes for Postgraduate Certificate in Molecular Cell Biology with Bioinnovation (NFQ Level 9, Minor Award)

On successful completion of this programme, students should be able to:

- Display advanced theoretical knowledge and practical understanding in the area of Molecular Cell Biology;
- Understand the basis and application of laboratory methods used in Molecular Cell Biology Research including state-of-the-art techniques and a knowledge of their limitations;
- Investigate the current approaches used in patient diagnosis, and treatment options available for the management of different diseases including cancer, infectious and inflammatory diseases and neurodegeneration through a programme module taught predominantly by clinicians;
- Demonstrate knowledge of the structure of the Biotechnology Industry and best-practice Intellectual Property Management;
- Integrate science and business skills and develop a Marketing and Business plan for a fledgling Biotech company;
- Describe the financial processes of biotech innovation;
- Develop professional practice skills including team-work, negotiation, presentation, writing and oral communication etc.