

# POSTGRADUATE CERTIFICATE IN MOLECULAR CELL BIOLOGY WITH BIOINNOVATION

---

## 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.