Ollscoil na Gaillimhe
University of Galway

College of Medicine, Nursing and Health Sciences

MSc. in Regenerative Medicine

Regenerative Medicine is an exciting emerging discipline, which aims to develop novel therapeutics to repair and regenerate damaged and diseased organs. These therapeutics utilise stem cells, gene therapy, biomaterials, engineered tissue and biologically active compounds. This 12-month taught MSc course will equip you with the skills to participate in this discipline. Modules will address the science behind Regenerative Medicine as well as its application to human disease.

Course Facts:

Course Level: Level 9

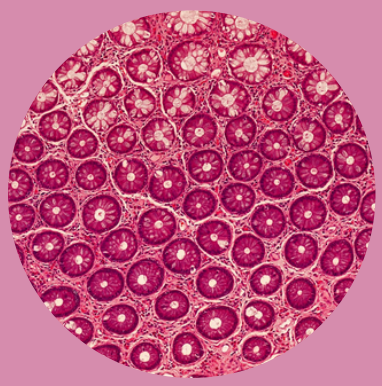
Duration: 1 year full time

Fees: https://www.universityofgalway.ie/courses/taught-postgraduate-courses/regenerative-medicine/course_fees

Applying: http://www.universityofgalway.ie/postgraduateapplications

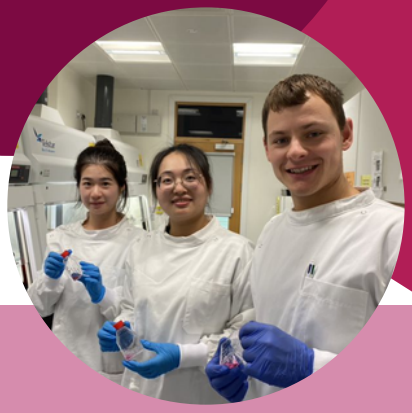
Closing Date: Applications are considered on a continuous, rolling basis.

Entry Requirements: Students must have completed a biological/life science or medicine related undergraduate degree with a minimum of 2nd Class Honours.
Students who have a degree without Honours in a related area and have three or more years of practical experience in the subject area will also be eligible to apply for this course.



Why chose this course?

Graduates of this course have found employment in biomedical device, biotechnology, and clinical research organisations in Ireland and abroad. Many graduates have obtained PhD studentships in Ireland, UK, throughout Europe, Canada and USA. Some graduates have gone on to study medicine, and graduates with clinical backgrounds have progressed to clinical fellowships.



Compulsory Modules (80ECTs):

Module:	ECTs:
Stem Cells and Regenerative Medicine	10
Tissue Engineering	5
Advanced Research Techniques	10
Basic and Advanced Immunology	5
Gene Therapy	10
Advanced Tissue Engineering	5
Translational Medicine	5
Individual Research Project and Dissertation	30

Optional modules (10ECTs):

Module:	ECTs:
Introduction to Business	10
Harnessing the Basic Biology of Cancer for Development of Novel Therapeutics	10
Green Labs Principle and Function	5
Applied Concepts in Pharmacology	5
Scientific Writing	5

"A student from the MSc in Regenerative Medicine at University of Galway joined our team and has displayed in-depth understanding of cell therapy as well as excellent practical skills for cell culture. Their knowledge of our requirements for Good Manufacturing Practices exceeded our expectations. They have adapted to the team and the laboratory with a confidence you would expect from someone out in industry for years which is a credit to the course and the overall understanding of GMP and cell therapy it gives its students. The course is run with proficiency and is tailored to give students opportunities after graduation, whether in research or in industry. I have had the pleasure of working with eight students from the course over the years, each and every one showed a great understanding of the regenerative medicine field, GMP and all completed successful projects. This MSc is a gleaming example of what post graduate education is about and how it enables students to integrate into research or industry at ease due to the in-depth theory and hands-on practical skills they obtain in the Masters."

Aoife Duffy | HiTechHealth

"Moving to postgraduate study pushes you to think more critically and logically about your work while honing skills in teamwork, leadership and problem solving. At postgraduate level you are guided to take ownership of how you study and apply the skills you have learned in your undergraduate to solve often more real-world problems. This MSc is considered to be one of the best in the field of Regenerative Medicine and really aligned with the research career I wanted to pursue. It gave me the technical and theoretical skills to pursue and obtain a PhD. I would recommend this course, the staff support each and every student who comes through the course. The course also strikes an incredible balance between teaching you necessary technical skills and developing your critical thinking, leadership and science communication skills. This course also allows you to take a deep dive into an area you are passionate about while giving you the opportunity to explore this through your practical lab work."

Cameron Keighron | PhD at University of Galway

@Galway_Reg_Med

http://www.universityofgalway.ie/regenerative-medicine

Dr. Linda Howard (linda.howard@universityofgalway.ie)