



NUI Galway
OÉ Gaillimh

College of Science

Structured MSc Cancer Research

About this programme

Cancer research is one of the fastest developing and challenging areas of biomedical science. The purpose of this programme is to provide students who have chosen to pursue a career in cancer research with extensive research laboratory training in a broad range of the most advanced technologies and an overarching knowledge of cancer biology. The course has a unique structure that uses a research-oriented approach to achieve the above aims to create an internationally recognised MSc degree with broad career opportunities.

Why this programme?

This programme is aimed at life sciences and medical graduates who wish to specialise in the field of cancer research. Currently, 10% of all jobs in the field of science are in the area of cancer research, and 10% of all biomedical research concentrates on cancer biology. Understanding cancer and developing better treatment strategies has proven to be challenging. Thus, this programme is designed to equip participants with extensive knowledge and the most advanced technologies to meet this challenge.

Employment and career opportunities

Graduates of this course will be equipped to pursue a career in academic research or the biopharmacological and/or biotechnology industries. Graduates who complete the programme will have a solid foundation in scientific knowledge and technical skills and pursue a PhD in this discipline. This programme will also develop postgraduate clinical scientists equipped to pursue their specialist registrar training in medical and academic environments.

Contact information/Enquiries to:

Course Co-ordinator
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MSc in Cancer Research *

Course level: 9

Duration: 3 semesters in one year
(September to August)

Entry Requirements: Graduates with a level 8, honours BSc degree (H1, H2.1, H2.2) in a relevant biological, biochemical or biomedical science field, and medical graduates, are eligible to apply for this programme. A special case for admission will be considered if a candidate has a lower level degree but has gained at least 3 years relevant work experience.

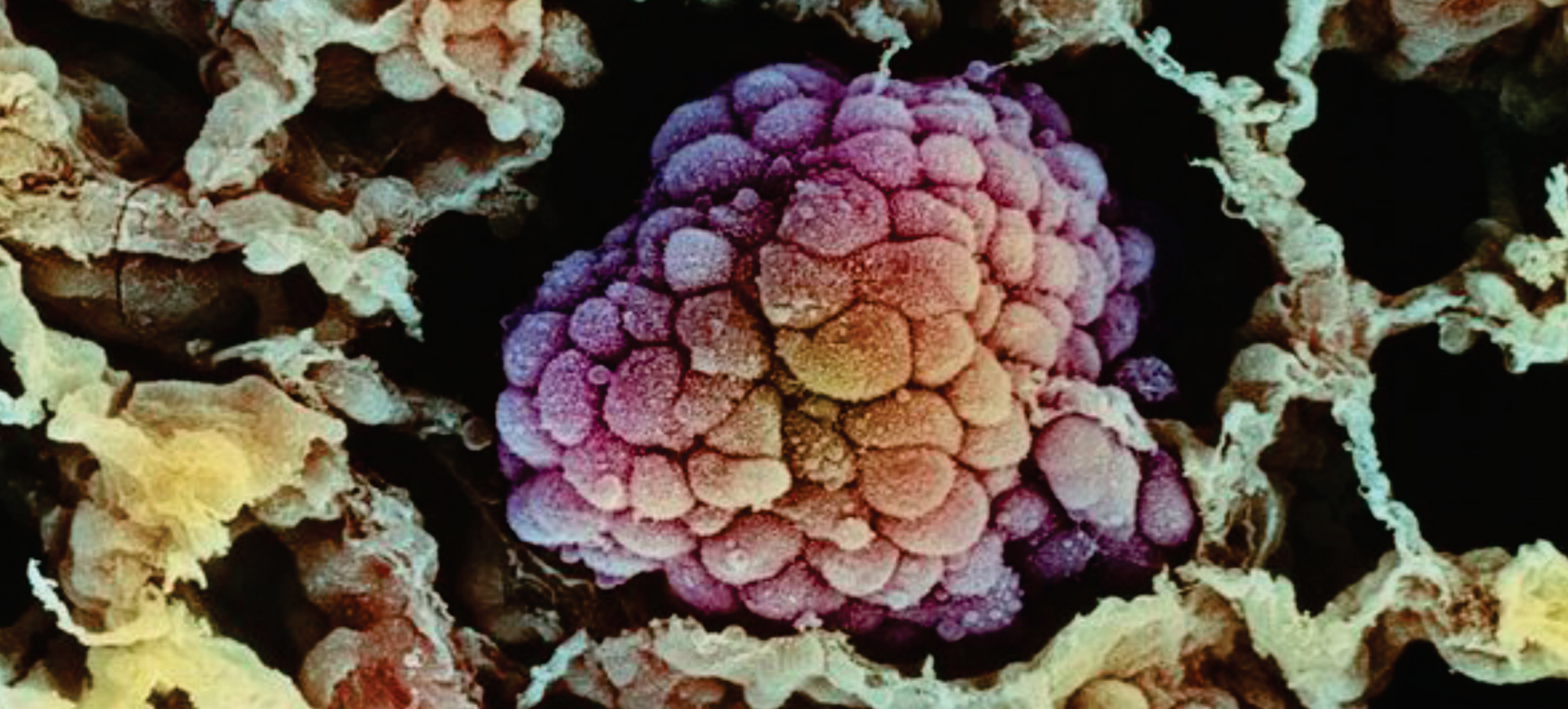
Places available: 15

Fees: €6,815. Please visit www.nuigalway.ie/fees for more information on fees.

Applying: www.pac.ie/nuigalway

Closing date: 29th July 2016.

* Programme is subject to approval.



Programme Outline

This is a modular course consisting of 30% taught material and a 70% research element. The taught modules will be developed with an input from a number of academic disciplines and structured in a way that ensures that students will be provided with a comprehensive and overarching knowledge in cancer biology.

The research element will encompass two semesters. After an induction phase, the students will work on one research project throughout the two semesters, allowing them to acquire a broad range of research skills including use of state of the art technology, experience in experimental design, data interpretation and data presentation.

Semester 1

Molecular and cellular biology of cancer	10 ECTS
Clinical oncology, haematology	5 ECTS
	10 ECTS
Introduction to research and experimental design	

Semester 2 Research

Project (Part 1)	30 ECTS
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Semester 3 Research

Project (Part 11)	30 ECTS
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Student Testimonial

The Cancer Research MSc in NUIG is a well-developed and flexible Master’s programme which encompasses all areas of Cancer Research.



The programme is comprised of both theory and research components, which complement nicely to ensure we the students acquire an in-depth knowledge of the topics which are required for careers in this area. This structure allowed me to gain the confidence from knowing the scientific basis of cancer research, and I could then apply this knowledge in the research component of the programme.

The small class size is a great opportunity to make some close new friends and it allows for easy discussion of the course, and aids in any problems we may encounter. My particular research project took place in the Apoptosis Research Centre in the state-of-the-art Bioscience Building on the scenic North Campus. This placement allowed me to work alongside others who are passionate about their fields of study and motivated me to gain more knowledge and work harder. It also allowed me to learn from scientists who are considered experts in their field, an experience I’m truly grateful for.

The Cancer Research MSc programme at NUIG is an extremely worthwhile and rewarding experience, and I would recommend it to anyone interested.

www.nuigalway.ie

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