



Structured MSc Cancer Research

About this programme

Cancer research is the study how cancer develops, what mutations cause it, how we can prevent it, detect it and treat it.

The MSc in Cancer Research is a research-based MSc training programme. It provides detailed knowledge of the biology of cancer together with extensive research laboratory training including the most advanced technologies used in biomedical and cancer research.

The course gives an internationally recognised MSc degree with broad career opportunities.

Why this programme

This programme suits all students graduating in life sciences and medical subjects and wish to specialise in the field of biomedical or cancer research. This is a Structured Research Masters programme where the first semester consists of taught modules followed by an 8-month research project from January to August.

Our students learn how to apply knowledge in the laboratory, design and carry out experiments to solve a scientific problem. Our students work in internationally recognised research laboratories and learn by doing research. This programme gives an excellent foundation for PhD training in all fields of biomedical sciences.

Career Opportunities

90% of our graduates find a job or academic scholarship in their preferred area within 12 months, be it a PhD training programme, industry research laboratories, teaching etc.

This programme also suits for a career in clinical research and as clinical scientists and gives a foundation to pursue specialist training in these fields.

Contact information/Enquiries to:

Course Co-ordinator

Dr Mary Ní Fhlathartaigh

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MSc in Cancer Research

Course level: 9

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

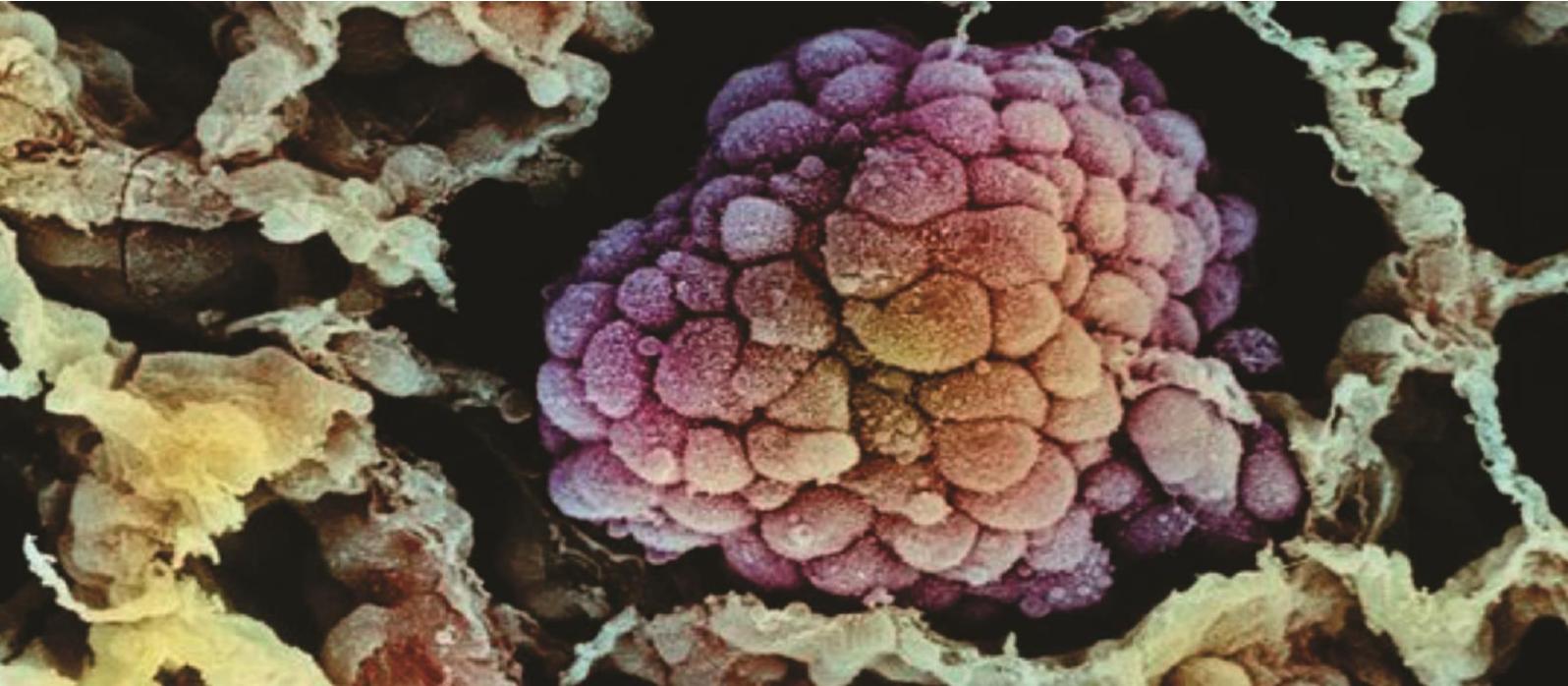
Entry Requirements: Graduates with a level 8, honours BSc degree (H1, H2.1, H2.2) in a relevant biological, biochemical or biomedical science field, and medical graduates, are eligible to apply for this programme. A special case for admission will be considered if a candidate has a lower level degree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

Places available: 15

Fees: €7,215 (EU) & 17,750 (Non-EU). Please visit www.nuigalway.ie/fees for more information on fees.

Applying: Online at <https://cancerresearchmsc.ie>

Closing Date: 29 July 2019



Programme Outline

This is a modular course consisting of 30% taught material and 70% research. The taught modules form semester 1. The modules consist of a blend of lectures, presentations, assignments and debates to provide a comprehensive and overarching knowledge in cancer biology.

The research element will encompass two semesters. From January to August, our students join research laboratories where they carry out a research project in their choice of offered topics. Through these projects they acquire a broad range of research skills including state of the art technologies, experience in experimental design, data interpretation and data presentation.

Semester 1 (Taught modules)

Molecular and cellular biology of cancer

Clinical oncology, haematology

Cancer Research: Technologies and Skills

Introduction to research and experimental design

Semester 2 (Research)

Research Project (Part I)

Semester 3 (Research)

Research Project (Part II)

Student Testimonial

The programme is comprised of both theory and research components, which provided each student in our class with an in-depth knowledge in cancer biology, regardless of the level of knowledge we previously held.

Our small class size was a great opportunity to make some close new friends, allowing us to work together in any problems we encountered and for relaxed discussion of topics throughout.

My particular research project took place in the Lambe Institute for Translational Research in the Department of Pathology. I was delighted with this placement as I was given a huge opportunity to work alongside scientists who are experts in their field and to be trained by them. It gave me a real taste for research and insight into what a career in academia may hold. The length of the research element was much greater than other MSc programmes which allowed us to take control of our research projects, producing valuable results for the laboratory, and in some cases included in published papers.

Thanks to the programme, I got the opportunity to pursue a PhD. I am currently conducting this in the Apoptosis Research Centre, in the Bioscience Building, NUIG. As well as PhD's, many of my classmates pursued positions in academia in research laboratories while others chose the industry route, obtaining positions in pharmaceutical companies, due to the laboratory experience the programme provided.

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



For further information & to apply visit: <http://cancerresearchmsc.ie>

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