



Dr Ben Ryan

Deputy Head of School,
Programme Innovation, School
of Pharmacy and Biomolecular
Sciences.

"This exciting post graduate
programme has been developed
in view of the growing demands of

the changing healthcare landscape, which has seen a major shift as it fuses digital technology with traditional science, leading to an increased focus on disease prevention, tailored therapies and Connected Health. The programme sits within RCSI's School of Pharmacy and Biomolecular Sciences, has been supported by the Higher Education Authority under the Human Capital Initiative."

Dr Sudipto Das

Programme Director,
School of Pharmacy and
Biomolecular Sciences.

"This is a flexible programme that will benefit life science graduates in the area of biological, chemical, mathematical or statistical sciences or indeed the health sciences. Or perhaps you are working in a relevant industry and looking to upskill to further enhance your career. What makes this Masters unique is that RCSI have teamed up with a strong consortium of clinic experts and enterprise partners to provide their expertise and support in the development and delivery of the MSc to meet these critical skills gaps and future needs."



MSC IN TECHNOLOGIES AND ANALYTICS IN PRECISION MEDICINE

To offer maximum flexibility for our students, this Masters is offered on a **one year full-time** or **2-year part-time basis**. Students are required to gain **90 ECTS** credits based on taught modules and a research project. Each core block contains 3 modules. RCSI also offers entry Core Modules routes such as Postgraduate Diploma and Certificate.

CORE BLOCKS	ECTS CREDITS
Block 1: Genetics, Genomics & Precision Medicine	15
Block 2: Data Analytics & Computational Biology	15
Block 3: Connected Healthcare	15
Block 4: Innovation and Leadership	15
Block 5: Research Project	30
Total ECTS Credits	90

The programme is delivered through face-to-face and online lectures, practical sessions, workshops/tutorials, round table discussions and self-directed learning in order to foster an enhanced learning environment for our students.

ENTERPRISE COLLABORATION

Our industry partners including **Congenica Ltd, Novartis Ireland, Aerogen, S3 Connected Health, Inflection Biosciences, Phion Therapeutics** and **Almac** help deliver this world class Masters programme to ensure students get the most relevant experience and exposure.

ANNUAL FEES:

One year full-time: €9,000/ Two year part-time: €6,000 per year.

NON-EU FEES:

One year full-time: €25,000 (€7,000 discount available for self-funded students)/ Two year part-time: €12,500 per year.

IF YOU WOULD LIKE MORE INFORMATION, PLEASE VISIT:

www.rcsi.com/mtapm

OR CONTACT US ON mtapm@rcsi.ie

RCSI School of Pharmacy and Biomolecular Sciences

Royal College of Surgeons in Ireland

123 St Stephen's Green, Dublin 2, Ireland



Riailtas na hÉireann
Government of Ireland

*This project has been supported by the Higher Education
Authority under the Human Capital Initiative, Pillar 3.
Grant agreement: 17796884 'Enabling Future Pharma'*

RCSI, UNIVERSITY OF MEDICINE AND HEALTH SCIENCES MSC IN TECHNOLOGIES AND ANALYTICS IN PRECISION MEDICINE

ADVANCED SKILLS IN THE AREAS OF
GENOMICS & OTHER OMICS, DATA
ANALYTICS, ARTIFICIAL INTELLIGENCE,
AND CONNECTED HEALTH

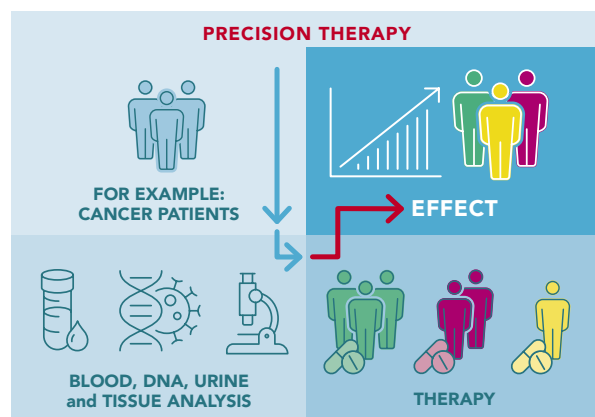
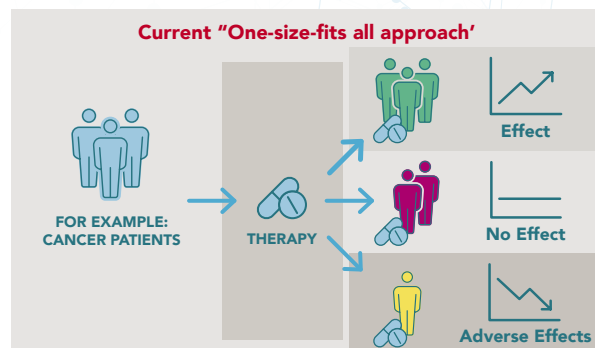


RCSI
UNIVERSITY
OF MEDICINE
AND HEALTH
SCIENCES

INTRODUCTION

Precision Medicine is an exciting new discipline that involves optimising therapeutic benefits by personalising treatment for patients through genetic profiling and in parallel enhancing diagnosis across various disease types. As the life sciences sector embraces Precision Medicine, a key evolution in healthcare characterised by the fusion of the digital, biological and physical worlds, there is significant demand for certain specialised skills to enable and support future career pathways. To address this demand, RCSI's School of Pharmacy and Biomolecular Sciences has designed a new state-of-the-art Masters (MSc) programme in Technologies and Analytics in Precision Medicine.

The programme has a core focus on Precision Medicine combined with Connected Health and Analytics.



WHAT MAKES THIS MASTERS DIFFERENT?



Develop advanced knowledge in the areas of **Genetics/Genomics & Precision medicine**



Learn how to use programming language including R and Python to **analysis Big Data** generated from a healthcare setting



Understand how cutting edge **Connected Health** technologies and data are improving health care



Develop core skills in **Innovation & Leadership**

YOUR FUTURE CAREER

We believe this Masters will equip students to become leaders in the health and bio-pharmaceutical industries of the future. Graduates of this programme will be in a position to apply for numerous roles across the bio-pharmaceutical industry as well as healthcare sectors including:

- > Computational Biologists
- > Bioinformatician / Bioinformatics scientist
- > Start Up / Spin Out
- > Research Team Management

In addition, this course will further enhance the student's academic profile and therefore make them highly competitive for PhD applications across both national and international research/universities.

MSc in Technologies & Analytics in Precision Medicine

Study 5 key areas including Precision medicine, Genetics, Data analytics, Connected Health, Innovation and gain Power skills to begin/advance your career in this exciting new discipline

