



INTERNATIONAL COLLEGE  
OF PHARMACEUTICAL  
INNOVATION

国际创新药学院

## Introductory Lecture

**Course** BSc (ATT)

**Year** 1

**Module** The Scientist: Professional Formation 2 (PF2)

**Lecturer** Prof. Brian Kirby (Credits: Prof N Moran)

# MODULE RATIONALE AND MODULE AIMS

- **Module Rationale**

- In the modern work environment, all graduates will find themselves in positions or roles where they have to manage themselves and/or others. It is critical therefore, that students possess the transversal skills to do this effectively. The need for these skills has been highlighted in both National and International Skills Reports which have identified a lack of these skills in current graduates. The Professional Formation module(s) which are embedded across the BSc (Advanced Therapeutic Technologies) programme focuses on equipping the graduate with the necessary transversal competencies to perform optimally within the workplace.

- **Module Aims**

- The Professional Formation module(s) will equip graduates with the transversal skills to complement their scientific and technical knowledge to enable them to excel in their future careers in the pharmaceutical



# LEARNING OUTCOMES

- Outline the principles which underpin effective team performance and identify their own preferred role within a Team using an appropriate framework
- Describe the contributory factors which lead to unconscious bias occurring within a workplace setting
- Demonstrate cultural competence and outline its importance in working effectively in multicultural environments
- Recognise the importance of negotiating and influencing skills and describe techniques to achieve same
- Outline the principles of conflict resolution to the workplace
- Illustrate the principles of resilience and describe its application in the workplace
- Develop CV writing skills and demonstrate appropriate interview technique
- Critically appraise Scientific Literature
- Apply reflective practice to the role of the professional scientist

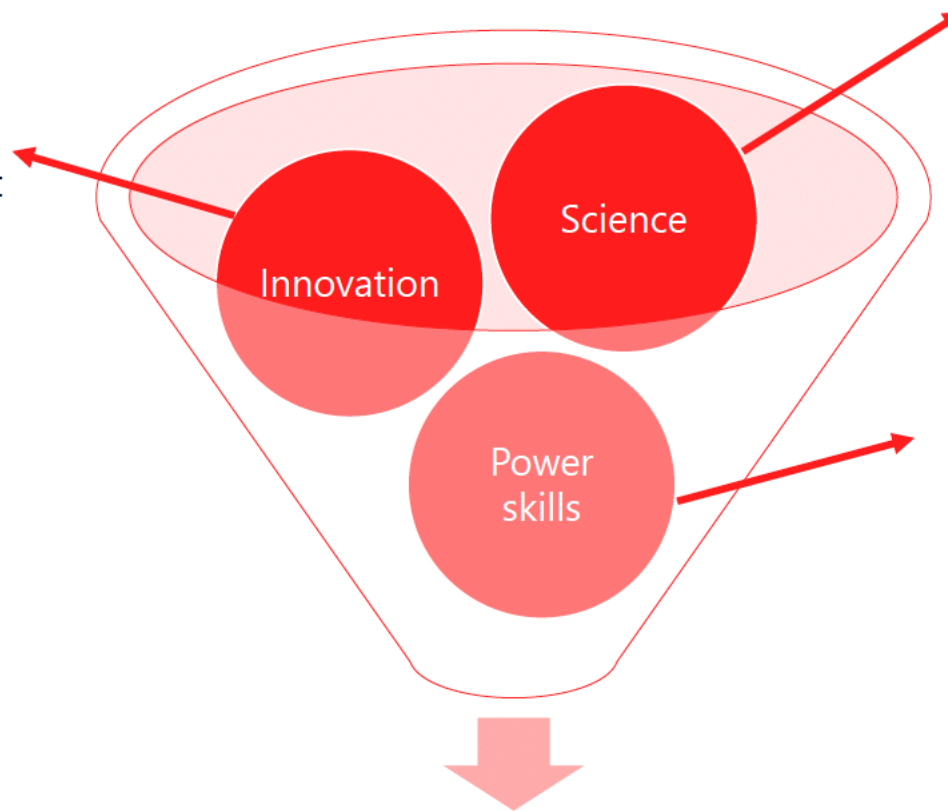


# CURRICULUM THEMES

- Theme 1: Effective Teamworking: Understanding the dynamics
- Theme 2: Recognising and avoiding unconscious bias
- Theme 3: Managing Challenging Conversations and Conflict Management
- Theme 4: CV writing and presentation skills: Creating your professional brand
- Theme 5: The power of resilience
- Theme 6: Understanding the literature: effective critical appraisal
- Theme 7: The reflective scientist
- Theme 8: Interpersonal skills
- Theme 9: Influencing effectively in the workplace
- Theme 10: Growing your mindset



**Innovator:** Study Enterprise and Innovation. IP protection, national and international regulatory frameworks, project management. Learn about Connected health, AI and Machine learning.



**Scientist:** Gain a broad spectrum from fundamentals in science to Computational biology, genetics and genomics.

**Professional Development:** Gain personal development in key professional power skills to hit the ground running in a workplace environment with leadership, project management and collaboration skills.

## Science Innovator

Michelle Kirrane Scott

TP – Management, Professionalism & Leadership, RCSI















- A NEW ENVIRONMENT
- LEARNING AND DEVELOPING 'ON THE JOB'
- TAKES TIME, ENERGY AND MAY BE COSTLY

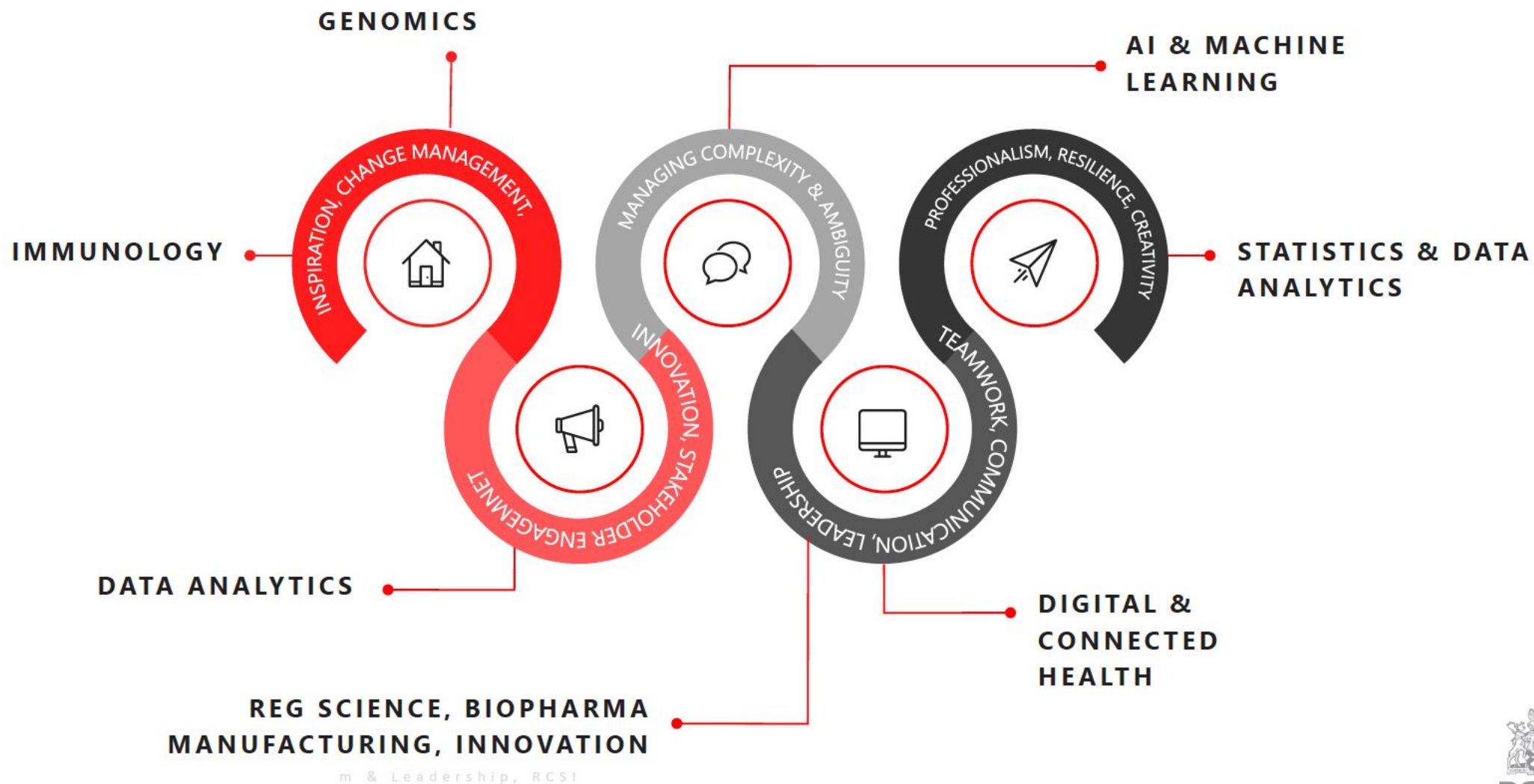




**Opportunity to maximise your potential by enabling you with power skills at this early stage in your career journey!**







# Key Power skills

For YOU – our Innovative Graduates of the Future



LEADERSHIP



PROFESSIONALISM



RESILIENCE



INNOVATION & CREATIVITY



PROJECT MANAGEMENT



CHANGE MANAGEMENT



STAKEHOLDER  
ENGAGEMENT



TEAMWORK &  
COMMUNICATION

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# Spiral Curricula of Professional Power Skills

## YEAR 1

- The Scientist: Professional Formation 1 & 2

## YEAR 2

- Fundamentals of Project Management

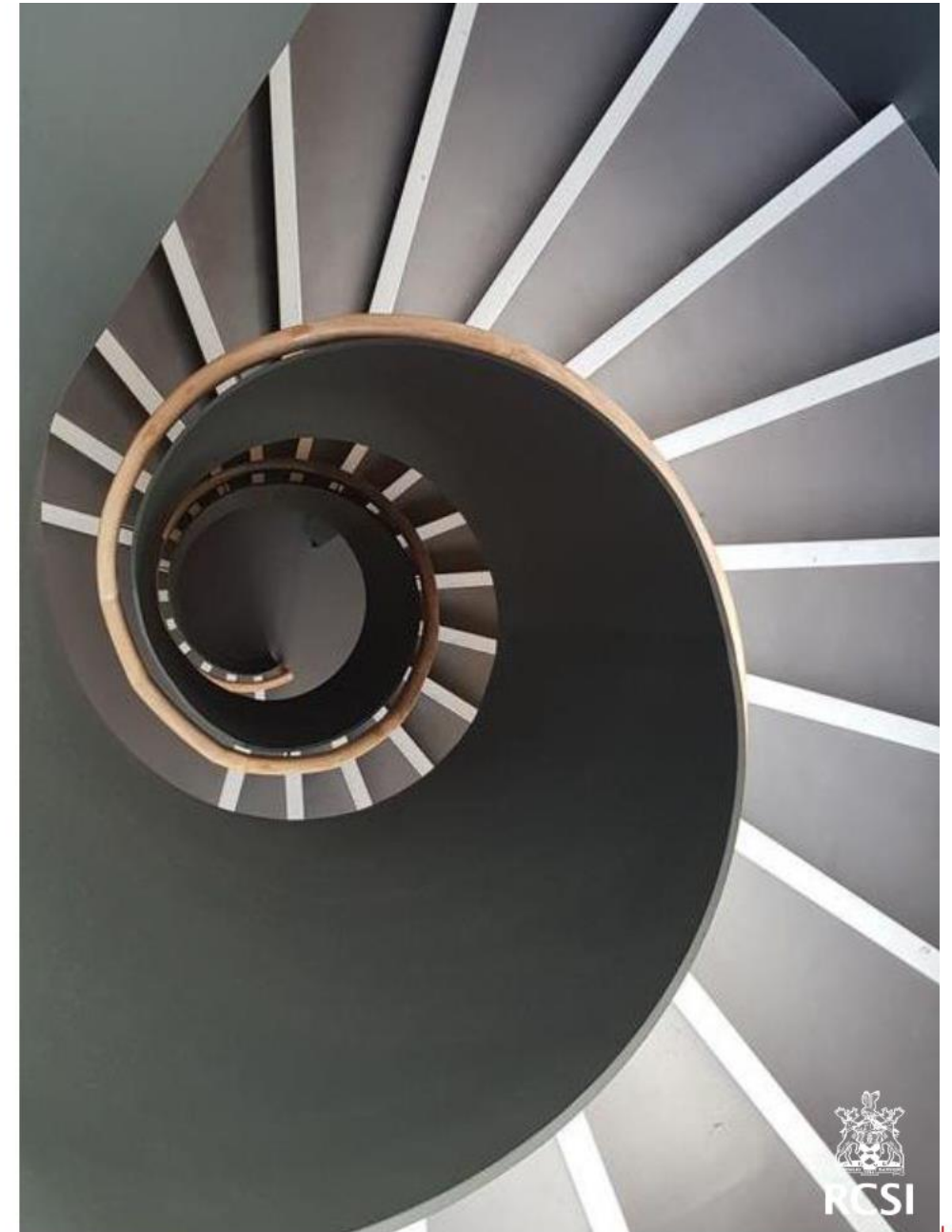
## YEAR 3

- The Scientist: Professional Formation (3)
- Situated Learning – Developing in the workplace (8 month placement)

## YEAR 4

- Leadership & Management

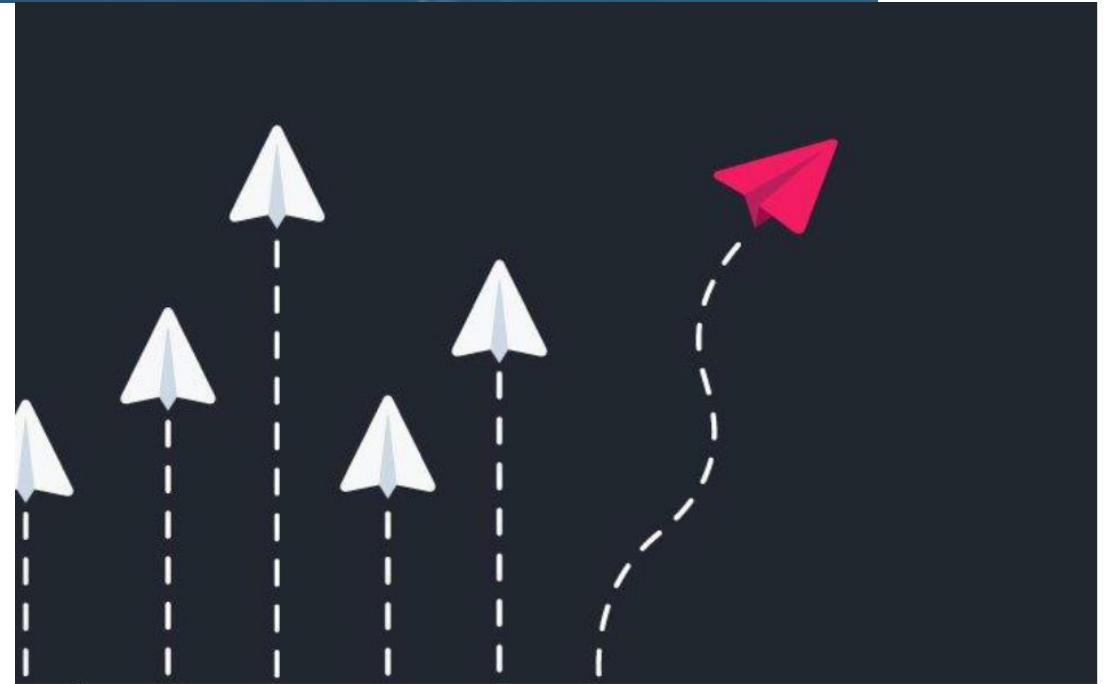
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## Your journey ... our promise

- Unique skillset bringing together scientific, innovative, professional, clinical, leadership and management experience – providing an opportunity for you to make a difference as innovators on a global scale



# TIMETABLE

- Three Lectures
- Ten Workshops

Activity	Activity Type	Contributor
L - Introduction to the module	Lecture	Brian Kirby
W - Effective Teamworking - Understanding the Dynamics	Workshop	Brian Kirby
W - Recognising and Avoiding Unconscious Bias	Workshop	Brian Kirby
W - Conflict Management/Challenging Conversations	Workshop	Brian Kirby
W - Professional Identity - Creating your Professional Brand/Design for Life	Workshop	Caoimhe Clerkin
W - Resilience	Workshop	Caoimhe Clerkin
W - Understanding the Literature: Effective Critical Appraisal	Workshop	Caoimhe Clerkin
W - Reflection	Workshop	Caoimhe Clerkin
W - Interpersonal skills	Workshop	Caoimhe Clerkin
L - Race Medicine & Use of Precision Medicines	Lecture	Caoimhe Clerkin
L - Build Your CV and Professional Profile	Lecture	Caoimhe Clerkin
W - Influencing Effectively in the Workplace/Applied Leadership Skills	Workshop	Caoimhe Clerkin
W - Growth Mindset	Workshop	Michelle K S



# ASSESSMENT

- You will be assessed in this module by continuous assessment (100%) and is comprised of three assessment tasks
- **Assessment Task 1:** Abstract Development (40%)- Due date 7<sup>th</sup> April and relates to workshop delivered on 24<sup>th</sup> March
- **Assessment Task 2:** Mock interview (30%)- Will be scheduled for the week commencing 7<sup>th</sup> April and relates to workshop delivered on 17<sup>th</sup> and 31<sup>st</sup> March
- **Assessment Task 3:** Reflective Writing (30%)- Due date 21<sup>st</sup> April and feedback you have received from assessment task 1 and 2 and learnings from PF1 and PF2.

# TASK 1- ABSTRACT DEVELOPMENT



- Contributes 40% to the overall module.
- Will be related to content delivered on the 24<sup>th</sup> March by Prof. Caoimhe Clerkin on Understanding the Literature- Critical Appraisal.
- Scientific writing is a critical skill of the professional scientist. It is key for the student to be able to communicate effectively using the written word by adopting a concise and precise writing style, which allows the reader to understand fully the concepts, ideas, experiments and results explored in the text. In this task, students are required to write an abstract for a research paper provided- the exercise will evaluate the students ability to read a scientific article critically and to summarise its contents in ABSTRACT form in a structured and logical manner- using the convention of scientific writing.
- **Due Date: Monday 7<sup>th</sup> April**

# TASK 2- MOCK INTERVIEWS



- Contributes 30% to the overall module.
- Will be related to content delivered on the 17<sup>th</sup> and 31<sup>st</sup> March by Prof. Caoimhe Clerkin
- During Professional Identity- Creating your professional branding you will think about potential interview questions which we answer together during Interpersonal skills from your own personal perspective.
- You will then be called for interview for a mock industrial placement where you will be asked 2-3 questions by our academic team.
- Mock interviews will be held during the week commencing 7<sup>th</sup> April. Further information will be provided to you on Moodle.



# TASK 3- REFLECTIVE WRITING



- Contributes 30% to the overall module.
- Will be related all content covered during PF1 and PF2
- You will be asked to reflect on feedback received from assessment task 1 and 2 and to consider how this feedback can support your future professional practice
- **Due date: 21<sup>st</sup> April**

