

Royal College of Surgeons in Ireland
Coláiste Ríoga na Máinleá in Éirinn

Research Day 2019 – Thursday 07th March

Cheyne Lecture Theatre

- 09:00 – 09:10 **Opening address**
Professor Ray Stallings, Director of Research, RCSI
- 09:10 – 10:45 **Research talks: Early Career Investigators (Post-doctoral Fellows)**
Chairpersons: Professor Steve Kerrigan and Professor Gianpiero Cavalleri
- 10:45 – 11:25 **Poster Viewing & Judging – [PG1, PG2+ and UG]**
Exam Hall – refreshments served
- 11:30 – 12:30 **Research talks: All Postgraduates – Thesis in 3**
Chairpersons: Professor Leonie Young and Dr. Mark Sherlock
- 12:30 – 13:10 **Poster Viewing & Judging – [All categories]**
Exam Hall – Lunch served
- 13:15 – 14:10 **Research talks: Undergraduate Students (Summer Students)**
Chairpersons: Dr. Ciara Murphy and Dr. Jamie O’Sullivan
- 14:10 – 14:20 **RCSI Special Category Award at BT Young Scientist**
Presented by Professor Mary Cannon
- 14:25 – 14:55 **Poster Viewing & Judging [All categories]**
Exam Hall – refreshments served

O’Flanagan Lecture Theatre

- 15:00 – 16:00 **John J Ryan Distinguished Lecture**
“New materials for regenerative medicine and ultrasensitive biosensing”.
Professor Molly Stevens – Introduced by Professor Fergal O’Brien
- RESEARCH SHOWCASE** **Chaired by – Dr. Aoife Gallagher, Head of Innovation.**
- 16:00 – 16:15 **2018 CEO Innovation Awards** presented by Professor Cathal Kelly
- 16:15 – 16:35 **Professor Richard Costello** - Winner of the Clinician Award 2018
Professor Fergal O’Brien - Winner of the Commercialisation Award 2018
Professor David Henshall - Winner of the Industry Engagement Award 2018
- 16:35 – 16:45 **Developing a Publications Strategy for RCSI**
Dr. Tobias Engel, Chair of Research Outputs Working Group (ROWG)
- 16:45 – 16:50 **Building RCSI’s International Research Reputation – the role of the RCSI Research Community**
Aoife Flanagan, Head of Institutional Research & Planning
- 16:50 – 17:00 **Dr. Marco Monopoli** – Dept of Chemistry
Horizon 2020 European Training Network (ETN) ‘Nanocarb’
- 17:00 – 17:10 **Dr. Annie Curtis** – Dept of Molecular & Cellular Therapeutics
IRC Laureate Award, SFI CDA and L’Oreal Women in Science Fellowship
- 17:10 – close **AWARDS CEREMONY** – chaired by Dr. Helena Kelly

Followed by wine reception and buffet in the Exams Hall

Detailed Schedule

Cheyne Lecture Theatre

09:00 – 09:10 Opening Address Cheyne LT

Professor Ray Stallings, Director of Research

09:10 – 10:45 Category: Early Career Investigators (Post-doctoral Fellows) Cheyne LT

Chairpersons: Professor Steve Kerrigan and Professor Gianpiero Cavalleri

9:10	ECI O1	A deep dive into multi-layer molecular traits of colorectal cancer (CRC)	Manuela Salvucci
9:25	ECI O2	Argonaute-2 sequencing of rodent temporal lobe epilepsy models identifies multiple microRNA targets for seizure suppression	Gareth Morris
9:40	ECI O3	Degradation of Elastin in Emphysema is exacerbated by Peptidyl Arginine Deiminase Activity	Mark Murphy
09:55	ECI O4	Effect of Matrix Substrate Composition on Neuronal Regeneration in Microporous Nerve Guidance Conduits	Alan Hibbits
10:10	ECI O5	Functional Genomic Screening Identifies the deubiquitinase USP11 as a novel regulator of ER transcription in breast cancer	Lisa Dwane
10:25	ECI O6	Identification of a novel first in class drug for the treatment of sepsis: results from the InnovoSep preclinical trial.	Sinead Hurley

10:45 – 11:25 Poster Viewing – [PG1, PG2+ and UG] Exam Hall

Refreshments served

11:30 – 12:30 Category: All Postgraduates (Thesis in 3) Cheyne LT

Chairpersons: Professor Leonie Young and Dr. Mark Sherlock

11:30	PG1 O1	Pregnant users of electronic cigarettes are a distinct sociodemographic group with obstetric outcomes similar to non-smokers.	Brendan P. McDonnell
11:36	PG2+ O1	The Development of Metal Complexes of the Hedgehog Pathway Inhibitor GANT61-D as Potential Anticancer Agents	Aisling Ryan
11:42	PG2+ O2	A novel assay to determine plasma and cellular modifiers of fibrinolytic activity	Aisling M. Rehill
11:48	PG2+ O3	A novel role for von Willebrand Factor (VWF) promoting pro-inflammatory responses in macrophages	Clive Drakeford
11:54	PG2+ O4	Cognitive Effects of Stimulation Pulse Rate in Older Cochlear Implant Users	Cecilia Di Nardi
12:01	PG2+ O5	Development of an anti-inflammatory star-polypeptide microRNA delivery system with therapeutic applications in cystic fibrosis.	Rachel Gaul
12:07	PG2+ O6	Junction Adhesion Molecule-A: A novel role for a cell adhesion protein in HER2-positive gastro-oesophageal cancers?	Cathy E. Richards

12:13	PG2+ O7	On-demand delivery of nucleic acid therapeutics for temporally controlled treatment of diabetic foot ulcers	Catherine B. Sirafim
12:19	PG2+ O8	Prevalence of type 1 diabetes in the whole population in Ireland: a retrospective cross-sectional study using national pharmacy claims data	Katarzyna A. Gajewska
12:25	PG2+ O9	The relevance of genetic background in presumed monogenic forms of epilepsy	Ciaran Campbell

12:30 – 13:10 **Poster Viewing – [All categories]** **Exam Hall**
Lunch served

13:15 – 14:10 **Category: Undergraduate Students (Summer Students)** **Cheyne LT**
Chairpersons: Dr. Ciara Murphy and Dr. Jamie O’Sullivan

13:15	UG O1	Co-morbid Depression and Diabetic Distress Among Patients with Type 2 Diabetes in an Irish Cohort: A Questionnaire Study	Ola M. Michalec
13:25	UG O2	Effect of long-term storage on disintegration and dissolution of an overencapsulated tablet of penicillin V	Joseph Saleh
13:35	UG O3	Hospital initiation of Benzodiazepine Receptor Agonists in adults aged 65 years and over and their continuation in primary care: a retrospective cohort study.	Seán Coll
13:45	UG O4	Optimising PLGA nanoparticle encapsulation of pDNA	Lamees Al Alshaikh
13:55	UG O5	The accuracy of targeted-SGA fetal weight estimation – Results from the Multicentre PORTO Study	EmerRose Kealy

14:10 – 14:20 **Winner of BT Young Scientist RCSI Award** **Cheyne LT**
‘Best Impact on Human Health’
Presented by Professor. Mary Cannon

Oran Timoney, Holy Cross College, Co Tyrone

‘Categorising CVD patient risk using machine learning tools’

14:25 – 14:55 **Poster Viewing - [All categories]** **Exam Hall**
Refreshments served

Afternoon Schedule

O'Flanagan Lecture Theatre

- 15:00 – 16:00** **John J Ryan Distinguished Lecture** **O'Flanagan LT**
“New materials for regenerative medicine and ultrasensitive biosensing”.
Professor Molly Stevens – Introduced by Professor. Fergal O'Brien
- RESEARCH SHOWCASE Chairpersons – Dr. Aoife Gallagher**
- 16:00 – 16:15** **2018 CEO Innovation Awards** **O'Flanagan LT**
CEO Innovation Awards – presented by Prof. Cathal Kelly
- 16:15 – 16:35** **Awardees** **O'Flanagan LT**
Prof. Richard Costello - Winner of the Clinician Award 2018
Prof. Fergal O'Brien - Winner of the Commercialisation Award 2018
Prof. David Henshall - Winner of the Industry Engagement Award 2018
- 16:35 – 16:45** **Developing a Publications Strategy for RCSI:** **O'Flanagan LT**
Dr. Tobias Engel, Lecturer, Physiology & Medical Physics Department & Chair, Research Outputs Working Group (ROWG)
- 16:45 – 16:50** **Building RCSI's International Research Reputation** **O'Flanagan LT**
the role of the RCSI Research Community
Aoife Flanagan, Head of Institutional Research & Planning
- 16:50 – 17:10** **Speakers** **O'Flanagan LT**
Dr. Marco Monopoli – *Horizon 2020 European Training Network (ETN) 'Nanocarb'*
Dr. Annie Curtis – *IRC Laureate Award, SFI CDA and L'Oreal Women in Science Fellowship*
- 17.10 – close** **Awards Ceremony** **O'Flanagan LT**
Winners announced of awards by Dr Helena Kelly and presented by Professor Ray Stallings.
Followed by wine reception and buffet in the Exams Hall

Research Day 2019 Close