Royal College of Surgeons in Ireland
Coláiste Riogá na Mhaíneá 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Category</th>
<th>Title</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>09:10</td>
<td>ECI O1</td>
<td>A deep dive into multi-layer molecular traits of colorectal cancer (CRC)</td>
<td>Manuela Salvucci</td>
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<tr>
<td>09:25</td>
<td>ECI O2</td>
<td>Argonaute-2 sequencing of rodent temporal lobe epilepsy models identifies multiple microRNA targets for seizure suppression</td>
<td>Gareth Morris</td>
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<td>09:40</td>
<td>ECI O3</td>
<td>Degradation of Elastin in Emphysema is exacerbated by Peptidyl Arginine Deiminase Activity</td>
<td>Mark Murphy</td>
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<tr>
<td>09:55</td>
<td>ECI O4</td>
<td>Effect of Matrix Substrate Composition on Neuronal Regeneration in Microporous Nerve Guidance Conduits</td>
<td>Alan Hibbits</td>
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<tr>
<td>10:10</td>
<td>ECI O5</td>
<td>Functional Genomic Screening Identifies the deubiquitinase USP11 as a novel regulator of ER transcription in breast cancer</td>
<td>Lisa Dwane</td>
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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

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<tr>
<td>11:30</td>
<td>PG1 O1</td>
<td>Pregnant users of electronic cigarettes are a distinct sociodemographic group with obstetric outcomes similar to non-smokers.</td>
<td>Brendan P. McDonnell</td>
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<tr>
<td>11:36</td>
<td>PG2+ O1</td>
<td>The Development of Metal Complexes of the Hedgehog Pathway Inhibitor GANT61-D as Potential Anticancer Agents</td>
<td>Aisling Ryan</td>
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<td>11:42</td>
<td>PG2+ O2</td>
<td>A novel assay to determine plasma and cellular modifiers of fibrinolytic activity</td>
<td>Aisling M. Rehill</td>
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<tr>
<td>11:48</td>
<td>PG2+ O3</td>
<td>A novel role for von Willebrand Factor (VWF) promoting pro-inflammatory responses in macrophages</td>
<td>Clive Drakeford</td>
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<tr>
<td>11:54</td>
<td>PG2+ O4</td>
<td>Cognitive Effects of Stimulation Pulse Rate in Older Cochlear Implant Users</td>
<td>Cecilia Di Nardi</td>
</tr>
<tr>
<td>12:01</td>
<td>PG2+ O5</td>
<td>Development of an anti-inflammatory star-polypeptide microRNA delivery system with therapeutic applications in cystic fibrosis.</td>
<td>Rachel Gaul</td>
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<td>Time</td>
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<tr>
<td>12:13</td>
<td>On-demand delivery of nucleic acid therapeutics for temporally controlled treatment of diabetic foot ulcers</td>
<td>Catherine B. Sirafim</td>
<td></td>
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<tr>
<td>12:19</td>
<td>Prevalence of type 1 diabetes in the whole population in Ireland: a retrospective cross-sectional study using national pharmacy claims data</td>
<td>Katarzyna A. Gajewska</td>
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<tr>
<td>12:25</td>
<td>The relevance of genetic background in presumed monogenic forms of epilepsy</td>
<td>Ciaran Campbell</td>
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**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

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