

## Academic Staff

| Number                       | Title  | Author   |
|------------------------------|--|--|
| <b>Poster Presentations:</b> |  |  |
| AS P1                        | Medical Student Intervention to Promote Effective Nicotine Dependence and Tobacco HEalthcare (MIND-THE-GAP): Results from a single-centre feasibility randomised trial (NCT02601599) | Anusha Kumar <sup>1</sup> , Kenneth D Ward <sup>2</sup> , Lisa Mellon <sup>3</sup> , Miriam Gunning <sup>4</sup> , Sinead Styne <sup>4</sup> , Anne Hickey <sup>3</sup> , Ronán Conroy <sup>3</sup> , Shane MacSweeney <sup>3</sup> , David Horan <sup>5</sup> , Graduate Entry Programme 2014-19 <sup>5</sup> , Liam Cormican <sup>1,6</sup> , Seamus Sreenan <sup>5,6</sup> , Frank Doyle <sup>3</sup> |
| AS P2                        | Driving Quality in Healthcare Simulation – Applying Lean Management Principles to Learning   | Clare Sullivan <sup>1</sup> , Prof James Murray <sup>1</sup>   |
| AS P3                        | Mission and Strategic objectives for the RCSI's Academic & Educational Building  | Prof James Murray <sup>1</sup> , Clare Sullivan <sup>1</sup>   |
| AS P4                        | Transitions in Health Professions Education: A Phenomenological Analysis of Acclimatisation to the First Year of Study   | Dr Martina Crehan <sup>1</sup>   |
| AS P5                        | Intentions of medical students to treat tobacco dependence post-graduation   | Kenneth Ward <sup>1</sup> , Lisa Mellon <sup>2</sup> , Frank Doyle <sup>2</sup>  |
| AS P6                        | Development of a Process Oriented Guided Inquiry Learning (POGIL) Method for the Teaching of Pharmaceutics in a Novel Integrated Pharmacy Curriculum                                 | Zebunnissa Ramtoola <sup>1</sup> , Martina Crehan <sup>2</sup> , Teresa Pawlikowska <sup>2</sup>   |
| AS P7                        | A BEME Review of the Psychometric and Edumetric Properties of Assessment Instruments for the Medical Consultation for Undergraduates   | Teresa Pawlikowska <sup>1</sup> , Angélique Timmerman <sup>4</sup> , Katrien Bombeke <sup>3</sup> , Paul Van Royen <sup>3</sup> , Paul de Cates <sup>2</sup> , Michael Davies <sup>5</sup> , Samantha Johnson <sup>2</sup> , Kathleen Van Royen <sup>3</sup> , Frank Doyle <sup>1</sup> , Jane Burns <sup>1</sup> , Paul Ram <sup>4</sup>  |
| AS P8                        | Virtual Patient Simulations do improve knowledge of communication skills for early medical students  | Catherine Bruen <sup>1</sup> , Clarence Kreiter <sup>2</sup> , Vincent Wade <sup>3</sup> & Teresa Pawlikowska <sup>1</sup> .   |
| AS P9                        | A cross sectional study of students attitudes to professionalism in a healthcare professions institution.  | Marié T. O'Shea <sup>1</sup> , Aisling Kerr <sup>1,2</sup> , Judith Strawbridge <sup>2</sup> , Fiona Boland <sup>3</sup> , Teresa Pawlikowska <sup>1</sup>   |
| AS P10                       | The Strategic Implementation and Augmentation of Technology Enhanced Learning (TEL) in Third Level Education: A Critical Lens.   | Laura Widger <sup>1</sup> , Margaret Denny <sup>1</sup> , Meg Benke <sup>2</sup> , Madja Pajnikihar <sup>3</sup> , Catherine Madden <sup>1</sup> & Catherine Bruen <sup>4</sup>  |
| AS P11                       | The National Alpha-1 Antitrypsin Deficiency Targeted Detection Programme   | Tomás P. Carroll <sup>1</sup> , Laura T. Fee <sup>1</sup> , Catherine O'Connor <sup>1</sup> , Margaret Molloy <sup>1</sup> , Emma Pentony <sup>2</sup> , Ilaria Ferrarotti <sup>3</sup> , Maurizio Luisetti <sup>3</sup> , William Tormey <sup>2</sup> , and Noel G. McElvaney <sup>1</sup> .  |
| AS P12                       | Where next for Open Educational Resources in higher education in Ireland?  | Angelica Risquez <sup>1</sup> , Claire McAvinia <sup>2</sup> , Yvonne Desmond <sup>2</sup> , Catherine Bruen <sup>3</sup> , Sharon Flynn <sup>4</sup> , Pauline Rooney <sup>2</sup> , Deirdre Ryan <sup>5</sup> , Anne O'Keeffe <sup>1</sup>   |
| AS P13                       | What I Wish I Knew In Final Year' – The launch of a near peer teaching programme in an Irish University Hospital   | Niall O'Mara <sup>1,2</sup> , Naomi Davey <sup>1</sup> , Cherry Cheung <sup>1,2</sup> , Sean Leavey <sup>1,2,3</sup> , Simon Cross <sup>1,2,3</sup> , Riona Mulcahy <sup>1,2</sup> , George Pope <sup>1,3</sup> , Gozie Offiah <sup>1,2</sup>  |
| AS P14                       | A Tale of Two Serpins  | Tomás P. Carroll <sup>1</sup> , Timea K. Deak <sup>2</sup> , Kevin Molloy <sup>1</sup> , Ilaria Ferrarotti <sup>3</sup> , and Noel G. McElvaney <sup>1</sup>   |
| AS P15                       | Evaluating machine learning models to predict the polarity of student feedback comments.   | Richard Arnett <sup>1</sup> , Catriona Keane <sup>1</sup> , Joanna Zawadzka <sup>1</sup>   |
| AS P16                       | A Patient Portal Providing Individualised Services and Care in Epilepsy (PISCES)   | Kevin Power <sup>1</sup> , Brendan Dunleavy <sup>5</sup> , Mark McCormack <sup>1</sup> , Maire White <sup>1</sup> , Gianpiero L. Cavalleri <sup>1</sup> , Richard Corbridge <sup>4</sup> , Norman Delanty <sup>1</sup> , Colin Doherty <sup>3</sup> , Mary Fitzsimons <sup>1</sup>   |
| AS P17                       | Advancing Genomics-Driven Epilepsy Care With An Electronic Patient Record  | Kevin Power <sup>1</sup> , Brendan Dunleavy <sup>5</sup> , Mark McCormack <sup>1</sup> , Maire White <sup>1,2</sup> , Richard Corbridge <sup>4</sup> , Norman Delanty <sup>1,2</sup> , Colin Doherty <sup>3</sup> , Gianpiero L. Cavalleri <sup>1</sup> , Mary Fitzsimons <sup>1</sup>   |
| AS P18                       | Interarm blood pressure difference in a stroke population  | Eva Gaynor <sup>1</sup> , Linda Brewer <sup>2</sup> , Lisa Mellon <sup>3</sup> , Eamon Dolan <sup>4</sup> , Anne Hickey <sup>5</sup> , David Williams <sup>6</sup>   |

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| AS P19 | Detecting signals within the noise - methodologies for finding meaning in large data sets. Case Study: 150 years of RCSI PubMed publications                                | Richard Arnett  |
| AS P20 | Surgeon Performed Point of Care Ultrasound: An Essential Clinical Tool  | Daniel B. Dumbrava <sup>1</sup> , Gary A. Bass <sup>1,2</sup> , Thomas N. Walsh <sup>1,2</sup>  |
| AS P21 | Sentinel Node Biopsy in biopsy proven DCIS: Is it necessary for all?  | Carolyn L. Power <sup>1</sup> , Donal P. O'Leary <sup>1</sup> , Anthony Hoban <sup>1</sup> , Muhammad Mushtaque <sup>1</sup> , Colm Power <sup>1</sup> , Arnold D.K. Hill <sup>1</sup>  |
| AS P22 | High risk prescribing in an Irish primary care population   | Catherine Byrne <sup>1</sup> , Caitriona Cahir <sup>1</sup> , Kathleen Bennett <sup>1</sup>   |
| AS P23 | Mesenchymal stromal cells induce mixed macrophage phenotypes and enhance phagocytosis and bacterial killing in human macrophages  | Allen Volchuk <sup>1</sup> , Mirjana Jerkic <sup>1</sup> , Linda Garces-Ramirez <sup>1,2</sup> , Jonathan Canton <sup>3</sup> , Claire Masterson <sup>1</sup> , Kate Tatham <sup>1</sup> , John Marshall <sup>1</sup> , Katalin Szaszi <sup>1</sup> , John G Laffey <sup>1</sup> , Sergio Grinstein <sup>3</sup> , Gerard F Curley <sup>1,5</sup> |
| AS P24 | The Fate and Function of Mesenchymal Stromal Cells in a Septic Model of ARDS  | Claire Masterson <sup>1</sup> , Arata Tabuchi <sup>1</sup> , Mirjana Jerkic <sup>1</sup> , Lisa Robinson <sup>3</sup> , Brian Kavanagh <sup>3</sup> , Wolfgang Kuebler <sup>1</sup> , John G. Laffey <sup>1,2</sup> , Gerard F. Curley <sup>1,2,4</sup>   |
| AS P25 | Human mesenchymal stromal cells enhance phagocytosis and phagosomal reactive oxygen species production in macrophages through production of Lipoxin A4 and Prostaglandin E2 | Razieh Rabani <sup>1</sup> , Allen Volchuk <sup>1</sup> , Mirjana Jerkic <sup>1</sup> , John G Laffey <sup>1,2</sup> , Katalin Szaszi <sup>1</sup> , Gerard F Curley <sup>1,2,3</sup>   |
| AS P26 | Peer assisted didactic learning in paediatrics: student experience in a single, tertiary paediatric hospital.   | Leona Nertney <sup>1</sup> , Daire O'Leary <sup>1</sup> , Katie O'Connor <sup>1</sup> , Alf Nicholson <sup>1,2</sup> , Paul McNally <sup>1,3</sup>  |
| AS P27 | Targeting mRNA polyadenylation as novel treatment strategy in epilepsy  | Yasmina E. Hernandez-Santana <sup>1</sup> , Mariana Alves <sup>1</sup> , Jose J. Lucas <sup>2</sup> , Tobias Engel <sup>1</sup>   |
| AS P28 | Screening for Group B Streptococcus at Labour Onset: The effectiveness of Polymerase chain reaction (PCR) analysis in comparison to microbial culture - A Pilot Study       | McDermott R <sup>1,3</sup> , Babu S <sup>1,3</sup> , Farooq I <sup>1,3</sup> , Le Blanc D <sup>1,3</sup> , Eogan M <sup>1,3</sup> , Drew RJ <sup>1,2,3</sup> .  |
| AS P29 | Targeting Subchondral Bone Remodeling Early after Acute Knee Injury Prevents Post Traumatic Osteoarthritis Development.   | Austin J. Ramme <sup>2</sup> , Matin Lendhey <sup>2</sup> , Kevin Voss <sup>3</sup> , Thomas Coughlin <sup>2</sup> , Oran D. Kennedy <sup>1,2,3</sup>   |
| AS P30 | Value of Information from Cost-Effectiveness Analyses. What is it and when is it useful?  | Jan Sorensen <sup>1</sup>   |
| AS P31 | An Update from the Irish National Alpha-1 Antitrypsin Deficiency Registry   | Margaret Molloy <sup>1</sup> , Tomás P. Carroll <sup>1</sup> , Laura Fee <sup>1</sup> , Catherine O'Connor <sup>1</sup> , and Noel G. McElvaney <sup>1</sup>  |
| AS P32 | The Use Of Virtual OPD For Uncomplicated Colorectal Patients  | Daniel Meehan <sup>1</sup> , Ms Deborah McNamara <sup>2</sup>   |
| AS P33 | Detection of BRCA1 and BRCA2 germline mutations in Bahraini population using next-generation sequencing   | Fatima Alhannan <sup>1</sup> , Safa Taha <sup>2</sup> , Latifa Albuainain <sup>3</sup> , Michael Keogh <sup>1</sup>   |
| AS P34 | 3D Printing of a Head and Neck Anatomical Model   | Michael Keogh <sup>1</sup> , Andy Ma <sup>1</sup>   |

## Early Career Investigator (ECI)

| Number                       | Title  | Author  |
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| <b>Oral Presentations:</b>   |  |   |
| ECI O1                       | Translating the Fundamental Role of Osteogenic-Angiogenic Coupling in Bone Formation: Highly Efficient Combinatorial Gene-Activated Scaffolds Accelerate Bone Regeneration in Critical-sized Defects | Rosanne M. Raftery <sup>1,2</sup> , Irene Mencia Castano <sup>1</sup> , Caroline M. Curtin <sup>1</sup> , Gang Chen <sup>3</sup> , Brenton Kavanagh <sup>1</sup> , Sally-Ann Cryan <sup>1,2</sup> and Fergal J. O'Brien <sup>1</sup>  |
| ECI O2                       | Inhibition of CFTR-specific miRNAs in CF bronchial epithelial cells  | Chiara De Santi <sup>1</sup> , Elena Fernández Fernández <sup>1</sup> , Catherine M. Greene <sup>1</sup>  |
| ECI O3                       | microRNA plasma levels as a biomarker for patient response to the antiepileptic drug levetiracetam (Keppra)  | Sinéad B Heavin <sup>1</sup> , Clare O'Kennedy <sup>1</sup> , Lisa Slattery <sup>1</sup> , Norman Delanty <sup>1,2</sup> , David C Henshall <sup>3</sup> , Gianpiero L Cavalleri <sup>1</sup>   |
| ECI O4                       | Bid promotes TRAF3 and Peli1- mediated pro-inflammatory signalling in response to TLR3 and TLR4 activation   | Sinéad Kinsella <sup>1</sup> , Hans-Georg König <sup>1</sup> , Jochen H. M. Prehn <sup>1</sup>  |
| ECI O5                       | The association of physical and psychosocial measures with recurrent falls in the first year after stroke  | Mary E. Walsh <sup>1,2</sup> , Rose Galvin <sup>3</sup> , David Williams <sup>4</sup> , Joseph A. Harbison <sup>5</sup> , Morgan Crowe <sup>6</sup> , Sean Murphy <sup>7</sup> , Ronan Collins <sup>8</sup> , Dominick McCabe <sup>8</sup> , Frances Horgan <sup>1</sup>  |
| ECI O6                       | Impact of somatic PI3K pathway and ERBB family mutations on pathological complete response (pCR) in HER2-positive breast cancer patients who received neoadjuvant HER2-targeted therapies            | Sinead Toomey <sup>1*</sup> , Alexander J. Eustace <sup>1*</sup> , Joanna Fay <sup>2</sup> , Katherine M. Sheehan <sup>2</sup> , Aoife Carr <sup>1</sup> , Stephen F. Madden <sup>1</sup> , Ausra Teiserskiene <sup>3</sup> , Elaine W. Kay <sup>2</sup> , Liam Grogan <sup>4</sup> , Oscar Breathnach <sup>4</sup> , Arnold D. Hill <sup>5</sup> , John Crown <sup>6</sup> , Bryan T. Hennessy <sup>1,3,5</sup>                                      |
| <b>Poster Presentations:</b> |  |   |
| ECI P1                       | Nano-hydroxyapatite Scaffolds Offer a Non viral microRNA-Therapy Platform to Rapidly Enhance Human Mesenchymal Stem Cell Osteogenesis and in vivo Bone Repair  | Irene Mencia Castaño <sup>1,2,3</sup> , Caroline M. Curtin <sup>1,2,3</sup> , Rosanne M. Raftery <sup>1,2,3</sup> , Gang Chen <sup>4</sup> , Brenton Cavanagh <sup>5</sup> , Garry P Duffy <sup>1,2</sup> , Fergal J. O'Brien <sup>1,2</sup>  |
| ECI P2                       | Post-mortem examination of an aggressive case of medullary thyroid carcinoma characterized by catastrophic genomic abnormalities   | Sudipto Das <sup>2,3*</sup> , Deirdre Kelly <sup>1,2*</sup> , Bruce Moran <sup>2,3*</sup> , Kathleen Han <sup>1,2</sup> , Niall Mulligan <sup>1,2</sup> , Ciara Barrett <sup>1,2</sup> , Patrick G. Buckley <sup>4</sup> , Kate Connor <sup>2,3</sup> , Bauke Ylstra <sup>5</sup> , Diether Lambrechts <sup>6</sup> , William M. Gallagher <sup>3</sup> , Darran P. O'Connor <sup>2,3</sup> , Catherine M. Kelly <sup>1,2</sup><br>* Co-first authors |
| ECI P3                       | Junctional Adhesion Molecule-A (JAM-A) as a novel future drug target in ductal carcinoma in situ (DCIS)  | Yvonne E. Smith <sup>1</sup> , Kieran Brennan <sup>1</sup> , Lance Hudson <sup>1</sup> , Astrid O. Leech <sup>1</sup> and Ann M. Hopkins <sup>1</sup>   |
| ECI P4                       | Increased ADAM-17 activity in neutrophils of people with cystic fibrosis is corrected by Ivacaftor therapy, thereby indirectly modulation inflammation.  | Michelle Marie White <sup>1</sup> , Ryan Flannery <sup>2</sup> , Pdraig Hawkins <sup>1</sup> , Noel Gerry McElvaney <sup>1</sup> , and Emer Patricia Reeves <sup>1</sup> .  |
| ECI P5                       | Evaluating the systemic effect of reduced levels of circulating alpha-1 antitrypsin (AAT) in deficient patients  | Noreen Lacey <sup>1</sup> , Oliver J. McElvaney <sup>1</sup> , Michelle M. White <sup>1</sup> , Neol G. McElvaney <sup>1</sup> , Emer P. Reeves <sup>1</sup>  |
| ECI P6                       | Individuals with cystic fibrosis demonstrate reduced HVCN1 abundance resulting in altered phagosomal pH and degranulation  | Niall Browne <sup>1</sup> , Michelle M. White <sup>1</sup> , Mark Milner <sup>1</sup> , Clare Foley <sup>1</sup> , Fatma Gargoum <sup>1</sup> , Pdraig Hawkins <sup>1</sup> , Emer P. Reeves <sup>1</sup> , Noel G. McElvaney <sup>1</sup> .  |
| ECI P7                       | A minimally invasive endocardial delivery device for stem cells embedded in fast-gelling hyaluronic acid hydrogels for the treatment of myocardial infarction  | Eimear B. Dolan <sup>1,2</sup> , Lenka Kohutova <sup>3</sup> , Hugh O'Neill <sup>2</sup> , Dorothee Daro <sup>4</sup> , Nathalie Braun <sup>4</sup> , Brenton Kavanagh <sup>5</sup> , Helena Kelly <sup>2</sup> , Garry P. Duffy <sup>1,2</sup> , Bruce P. Murphy <sup>1</sup>  |
| ECI P8                       | Mechanistic Interrogation Of Pre-Treatment Low Dose Aspirin Effects in Her 2 Positive Breast Cancer  | Ian S. Miller <sup>1</sup> , Sonja Khan <sup>2</sup> , Liam P. Shiels <sup>3</sup> , Sudipto Das <sup>4</sup> , Bruce Moran <sup>3</sup> , Finbarr P. Leacy <sup>1</sup> , Paul Loadman <sup>5</sup> , Robert S. Kerbel <sup>6</sup> , Darran O' Connor <sup>4</sup> , Kathleen Bennett <sup>7</sup> , Roisin M. Dwyer <sup>2</sup> , Annette T. Byrne <sup>1</sup> .   |
| ECI P9                       | Abstract Withheld  | Mark McCormack <sup>1</sup> , Honsheng Gui <sup>2</sup> , the EpiPGX Consortium, the International League Against Epilepsy Consortium on Complex Epilepsies, the EPIGEN Consortium, the Canadian Pharmacogenomics Network for Drug Safety, Munir Pirmohamed <sup>3</sup> , Norman Delanty <sup>1</sup> , and Gianpiero L. Cavalleri <sup>1</sup>  |

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| ECI P10 | FKBPL as a novel prognostic biomarker and therapeutic agent in High Grade Serous Ovarian Cancer   | Stephanie L. Annett <sup>1,2</sup> , Lana McClements <sup>1</sup> , Helen O. McCarthy <sup>1</sup> , Fiona Furlong <sup>1</sup> , Ian Harley <sup>3</sup> , Glen McCluggage <sup>3</sup> , Tracy Robson <sup>1,2</sup>  |
| ECI P11 | Physicochemical characterization of polymeric nanoparticles for CFTR-specific Target Site Blockers delivery   | Elena Fernández Fernández <sup>1</sup> , Chiara de Santi <sup>1</sup> , Joanne M Ramsey <sup>2</sup> , Sally-Ann Cryan <sup>2</sup> , Catherine M Greene <sup>1</sup>   |
| ECI P12 | Gated mesoporous silica nanocarriers incorporated in an injectable hydrogel for the local treatment of glioblastoma multiforme  | Carmen Coll <sup>1</sup> , Cristina De la Torre <sup>2</sup> , Kate Connor <sup>3</sup> , Ramon Martinez-Mañez <sup>2</sup> , Annette. T. Byrne <sup>3</sup> , Garry P. Duffy <sup>1,4</sup> , Eduardo Ruiz-Hernandez <sup>1,4,5</sup>  |
| ECI P13 | A high-throughput screen identified cancer selective small molecules that kill independent of mitochondrial apoptosis   | Catriona M. Dowling <sup>1</sup> , Micheal Hemann <sup>2</sup> , James Bradner <sup>3</sup> , Anthony Letai <sup>3</sup> , Triona Ni Chonghaile <sup>1</sup>  |
| ECI P14 | Functionalising a Collagen-Based Scaffold With On-Demand Drug Delivery for Diabetic Wound Healing   | Ronaldo J. F. C. do Amaral <sup>1</sup> , Fergal J. O'Brien <sup>1,2,3</sup> , Cathal Kearney <sup>1,2,3</sup>  |
| ECI P15 | The divergent effects of different early adolescent psychotic experiences to mid-adolescence psychopathology and global functioning: A longitudinal study.  | Colm Healy <sup>1</sup> & Mary Cannon <sup>1</sup>  |
| ECI P16 | Breast Cancer Mortality after De Novo Post-Diagnosis Vitamin D Use  | Jamie Madden <sup>1</sup> , Laura Murphy <sup>1</sup> , Ian Barron <sup>2</sup> , Lina Zgaga <sup>3</sup> , Kathleen Bennett <sup>1</sup>   |
| ECI P17 | Integrating genomics to the epilepsy care pathway, in an electronic health framework  | Katherine Benson <sup>1</sup> , Nicholas Allen <sup>2</sup> , Gianpiero Cavalleri <sup>1</sup> , Richard Corbridge <sup>3</sup> , Mark, McCormack <sup>1</sup> , Danny Costello <sup>4</sup> , Norman Delanty <sup>1,5</sup> , Colin Doherty <sup>6</sup> , Brendan Dunleavy <sup>7</sup> , Mary Fitzsimons <sup>5</sup> , Nisha Ganghadaran <sup>2</sup> , Sinead Hevin <sup>1</sup> , Mary King <sup>8</sup> , John Lynch <sup>9</sup> , Kevin Power <sup>1</sup> , David Webb <sup>10</sup> , Maire White <sup>1,5</sup> |
| ECI P18 | A robust statistical model of adherence to inhaled medication   | Garrett Greene <sup>1</sup> , Ronan Conroy <sup>1</sup> , Richard Costello <sup>2</sup> , Frank Doyle <sup>1</sup>  |
| ECI P19 | Investigating the role of androgen mediated activation of PI3K signaling in aromatase inhibitor resistant in breast cancer  | Laura Creevey <sup>1</sup> , Azlena Ali <sup>1,2</sup> , Rachel Bleach <sup>1</sup> , Stephen Madden <sup>3</sup> , Arnold D.K Hill <sup>1,2</sup> , Leonie Young <sup>1</sup> and Marie Mclroy <sup>1</sup>  |
| ECI P20 | Abstract Withheld   | Cathy A. Wyse <sup>1</sup> , Annie M. Curtis <sup>1</sup>   |
| ECI P21 | 3D neuroblastoma bone metastases model for evaluating current and new therapeutics  | Olga Piskareva <sup>1,2</sup> , Caroline Curtin <sup>3</sup> , Ross Conlon <sup>1</sup> , John Nolan <sup>1,2</sup> , Ahmad Zaki Asraf <sup>1</sup> , Isabella Bray <sup>1</sup> , Harry Harvey <sup>1</sup> , Suzanne Miller-Delaney <sup>1</sup> , Fergal O'Brien <sup>3</sup> , Raymond L Stallings <sup>1,2</sup>   |
| ECI P22 | Co-designing Patient-Centred Care (PCC) in Epilepsy Through Participatory Action Research [PAR] - The Epilepsy Partnership in Care [EPiC] Project   | Jarlath Varley <sup>1</sup> , Colin Doherty <sup>2</sup> , Jamie Saris <sup>3</sup> , Robert Power <sup>1</sup> , Veronica Lambert <sup>4</sup> , Mary Fitzsimons <sup>1</sup>  |
| ECI P23 | An investigation of the functional and clinical impact of ERBB4 mutations in HER2-positive breast cancer.   | Naomi Elster <sup>1</sup> , Mattia Cremona <sup>1</sup> , Clare Morgan <sup>1</sup> , Malgorzata Milewska <sup>1</sup> , Joanna Fay <sup>2</sup> , Elaine W. Kay <sup>2</sup> , Susan Kennedy <sup>3</sup> , John Crown <sup>3</sup> , Yue Fan <sup>4</sup> , Simon Furney <sup>4</sup> , Úna Bhreathnach <sup>4</sup> , Karolina Weiner-Gorzel <sup>4</sup> , Madeline Murphy <sup>4</sup> , Sinead Toomey <sup>1</sup> , Bryan T Hennessy <sup>1</sup> , Alex J. Eustace <sup>1</sup>                                     |
| ECI P24 | Between observation, reflection and action: The Epilepsy Partnership in Care (EPiC) project   | Robert Power <sup>1</sup> , Jamie Saris <sup>2</sup> , Colin, Doherty <sup>3</sup> , Veronica Lambert <sup>4</sup> , Jarlath Varley <sup>1</sup> , Mary Fitzsimons <sup>1</sup>   |
| ECI P25 | Proteomic profiling of patient-derived xenograft tissue for identifying potential biomarkers for cetuximab resistance in metastatic colorectal cancer   | Steven Carberry <sup>1</sup> , Naser Monsefi <sup>1</sup> , Robert O'Byrne <sup>1</sup> , Eugenia R. Zanella <sup>2</sup> , Andrea Bertotti <sup>2,3,4</sup> , Livio Trusolino <sup>2,3</sup> , Jochen H.M. Prehn <sup>1</sup>  |
| ECI P26 | Overview of the strokecog study: Modelling and modifying the consequences of stroke-related cognitive impairment through intervention   | Niamh A. Merriman <sup>1</sup> , Eithne Sexton <sup>1</sup> , Nora-Ann Donnelly <sup>2</sup> , Niall Pender <sup>3</sup> , Frances Horgan <sup>4</sup> , David Williams <sup>1,3</sup> , Maev-Ann Wren <sup>2</sup> , Kathleen E. Bennett <sup>1</sup> , Anne Hickey <sup>1</sup>   |
| ECI P27 | The Cellular Bioenergetics in Neurodegenerative Diseases consortium combines systems modelling and <i>in vitro</i> analysis to investigate neurodegenerative mitochondrial dysfunction in AD, PD and HD | Niamh M. C. Connolly <sup>1</sup> , Pierre Theurey <sup>2</sup> , Susette Lauwen <sup>1</sup> , Anna Gioran <sup>3</sup> , Alvin Joselin <sup>4</sup> , Catarina Pinho <sup>5</sup> , David Park <sup>4</sup> , Daniele Bano <sup>3</sup> , Paola Pizzo <sup>2</sup> , Maria Ankarcona <sup>5</sup> , Jochen H. M. Prehn <sup>1</sup>   |
| ECI P28 | Prevention and treatment of catheter related infections caused by <i>Staphylococcus aureus</i>  | Siobhan Hogan <sup>1</sup> , Eoghan O'Neill <sup>1,2</sup>  |

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| ECI P29 | Abstract Withheld  | Ozlem Aslan <sup>1,2</sup> , Emilie M Charles <sup>1,2</sup> , Padraic Regan <sup>3</sup> , Stephanie Curran <sup>4</sup> , Enda McDermott <sup>4</sup> , Giuseppe Gullo <sup>3</sup> , Paul Donnellan <sup>4</sup> , Aurelie Fabre <sup>3</sup> , Ronan Feighery <sup>5</sup> , Markus Rehm <sup>1,2,6</sup> |
| ECI P30 | Abstract Withheld  | Edward Beamer <sup>1</sup> , Yasmina E. Hernandez-Santana <sup>1</sup> , Mariana Alves <sup>1</sup> , Nicholas Dale <sup>2</sup> , Tobias Engel <sup>1</sup>  |
| ECI P31 | Polypeptide Nanoparticles as Carriers for Active Ingredients   | Hannah Prydderch <sup>1</sup> , Andreas Heise <sup>1</sup>  |
| ECI P32 | Bacterial metabolism of Ursodeoxycholic Acid is necessary for its protective actions in a mouse model of intestinal inflammation | Natalia K. Lajczak <sup>1</sup> , Joseph B. Ward <sup>1</sup> , Bridie J Goggins <sup>2</sup> , Simon Keely <sup>2</sup> , Stephen J. Keely <sup>1</sup>  |

## All Postgraduate Oral Presentations

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| <b>Oral Presentations:</b> |  |   |
| PG O1                      | Natural compound 'C4' as a novel therapeutic in triple-negative breast cancer  | Catherine E. Richards <sup>1</sup> , Sri H. Vellanki <sup>1</sup> , Yvonne E. Smith <sup>1</sup> , Astrid Leech <sup>1</sup> , Rodrigo G.B. Cruz <sup>1</sup> , Lance Hudson <sup>1</sup> , Ann M. Hopkins <sup>1</sup> .   |
| PG O2                      | Concurrent use of alcohol interactive medications and alcohol in older adults: a systematic review of prevalence and associated adverse outcomes | Ms. Alice E. Holton <sup>1</sup> , Prof. Paul Gallagher <sup>1</sup> , Prof. Tom Fahey <sup>2</sup> and Dr. Gráinne Cousins <sup>1</sup>  |
| PG O3                      | Development of an inhalable RNAi therapeutic for cystic fibrosis   | Rachel Gaul <sup>1,2,3,5</sup> , Robert Murphy <sup>3,4</sup> , Chiara De Santi <sup>5</sup> , Joanne M. Ramsey <sup>1,2,3</sup> , Andreas Heise <sup>3,4</sup> , Catherine M. Greene <sup>5</sup> , Sally-Ann Cryan <sup>1,2,3</sup>   |
| PG O4                      | Exploring the cytoplasmic role of the androgen receptor in aromatase inhibitor resistant breast cancer   | Rachel Bleach <sup>1</sup> , Laura Creevey <sup>1</sup> , Stephen Madden <sup>2</sup> , Arnold D.K. Hill <sup>3</sup> , Leonie Young <sup>1</sup> , Marie McIlroy <sup>1</sup>  |
| PG O5                      | The link between Docosahexaenoic Acid (DHA), neuropsychological function and mood in healthy adults  | Fiona O' Donovan <sup>1,2</sup> , Kathleen Shortall <sup>1</sup> , Thora El-Sayed <sup>1</sup> , Eamon Dolan <sup>3</sup> , David Williams <sup>4</sup> , Niamh Moran <sup>1</sup> , Alan Fahey <sup>5</sup> , Niall Pender <sup>2</sup> , Alice Stanton <sup>1</sup>   |
| PG O6                      | Expression of the Cocaine- and Amphetamine-Regulated Transcript (CART) recruits SWI/SNF chromatin remodelling complexes to the Estrogen Receptor | Brian Mooney <sup>1</sup> , Sudipto Das <sup>1</sup> , Rut Klinger <sup>2</sup> , Bruce Moran <sup>2</sup> , Eric Conway <sup>3</sup> , Ben Doyle <sup>2</sup> , Kieran Wynne <sup>2</sup> , William M. Gallagher <sup>2</sup> , Triona Ni Chonghaile <sup>4</sup> , Gerard Cagney <sup>2</sup> , Adrian P. Bracken <sup>3</sup> , and Darran O'Connor <sup>1</sup> |
| PG O7                      | Bismuth Hydroxamic Acid Complexes as Potential anti-H. Pylori Agents   | Donal M Keogan <sup>1</sup> , Darren M Griffith <sup>1</sup> .  |
| PG O8                      | Young children in The Gambia have the lowest rates of malaria but highest rates of malarial anaemia  | Samuel E. Anya <sup>1</sup> , Ayo Palmer <sup>2</sup> , Ruairi Brughá <sup>3</sup> , Samuel McConkey <sup>1</sup>   |
| PG O9                      | First in Class Potential Novel Drug for the Treatment of Sepsis Caused by Urinary Tract Infections   | Tony McHale <sup>1,2,3</sup> , C.D. Garcierena <sup>1,2,3</sup> , S.G. Smith <sup>5</sup> , F. Fitzpatrick <sup>4</sup> , S. W. Kerrigan <sup>1,2,3</sup>   |
| PG O10                     | Role for BCL2 and BCL(X)L in the Regulation of Mitochondrial Metabolism  | Federico Lucantoni <sup>1,2</sup> , Heiko Dössmann <sup>1,2</sup> and Jochen HM Prehn <sup>1,2</sup> .  |

## Post-Graduate Scholars (PG): 1st Year Only

| Number                       | Title  | Author  |
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| <b>Poster Presentations:</b> |  |   |
| PG1 P1                       | Alpha-1 Antitrypsin is Less Effective at Inhibiting Neutrophil Elastase Activity and CXCR1 Cleavage in CF versus Non-CF Bronchiectasis due to the Actions of Other Serine and Non-Serine Proteases | Oliver J McElvaney <sup>1</sup> , Niall Browne <sup>1</sup> , Michelle M White <sup>1</sup> , Noreen Lacey <sup>1</sup> , Padraig E Hawkins <sup>1</sup> , Thomas McEnergy <sup>1</sup> , Cedric Gunaratnam <sup>1</sup> , Emer P Reeves <sup>1</sup> , Noel G McElvaney <sup>1</sup> . |
| PG1 P2                       | Neutrophil Membrane Proteomics in Alpha-1 Antitrypsin Deficiency   | T McEnergy <sup>1</sup> , DJ Hunt <sup>1</sup> , M White <sup>1</sup> , M Henry <sup>2</sup> , P Meleady <sup>2</sup> , EP Reeves <sup>1</sup> , NG McElvaney <sup>1</sup>  |
| PG1 P3                       | Neutrophil Cytosolic Potassium Concentration is Reduced in Cystic Fibrosis Compared to Healthy Controls  | Oliver J. McElvaney <sup>1</sup> , Michelle M. White <sup>1</sup> , Niall Browne <sup>1</sup> , Emer P. Reeves <sup>1</sup> , Noel G. McElvaney <sup>1</sup>  |
| PG1 P4                       | To understand the abundance and effect of hydrogen voltage-gated channel 1 (HVCN1) on neutrophils of alpha-one antitrypsin deficient patients.   | Padraig E. Hawkins <sup>1</sup> , Niall Browne <sup>1</sup> , Michelle M. White <sup>1</sup> , Emer P. Reeves <sup>1</sup> , Noel G. McElvaney <sup>1</sup>   |
| PG1 P5                       | Investigating the activation of complement in alpha-1 antitrypsin deficiency   | Laura Fee <sup>1</sup> , Michael E. O'Brien <sup>2</sup> , Tomás Carroll <sup>1</sup> , Margaret Molloy <sup>1</sup> , Catherine O'Connor <sup>1</sup> , Emer Reeves <sup>2</sup> and Noel G. McElvaney <sup>2</sup>  |
| PG1 P6                       | New mouse model for the study of P2X7 receptor signalling in epilepsy  | Aoife Campbell <sup>1</sup> , Mariana Alves <sup>1</sup> , Yasmina Esther Hernandez Santana <sup>1</sup> , Annette Nicke <sup>2</sup> , Tobias Engel <sup>1</sup>   |
| PG1 P7                       | Increased Rac2 activation leads to BPI autoantibodies in individuals with cystic fibrosis.   | Fatma S. Gargoum <sup>1</sup> , Sarah A. Landers <sup>1</sup> , Michelle M. White <sup>1</sup> , Niall R. Browne <sup>1</sup> , Padraig E. Hawkins <sup>1</sup> , Emer P. Reeves <sup>1</sup> , Noel G McElvaney <sup>1</sup>   |
| PG1 P8                       | Understanding the role of the Sigma-1 receptor in breast cancer: Identification of interacting proteins  | Preeti Borde <sup>1</sup> , ST Safrany <sup>2</sup> , Leonie S. Young <sup>1</sup>  |
| PG1 P9                       | CT evident emphysema in MZ and SZ Alpha 1 Antitrypsin Deficiency: Smoking as a phenotype-by-environment effect.  | Alessandro N Franciosi <sup>1</sup> , Tomas P Carroll <sup>2</sup> , Margaret Molloy <sup>2</sup> , Laura Fee <sup>2</sup> , Catherine O'Connor <sup>2</sup> , Noel G McElvaney <sup>1</sup> .  |
| PG1 P10                      | Abstract Withheld  | Aidan Kenny <sup>1</sup> , Eva Jimenez-Mateos <sup>1</sup> , Caroline Sheedy <sup>1</sup> , Miquel Medina <sup>2</sup> , Felix Hernandez <sup>2</sup> , Miquel Calero <sup>2</sup> , Jesus Avila <sup>2</sup> , Tobias Engel <sup>1</sup>   |
| PG1 P11                      | Will electronic integrated text, visual and audio questionnaire be a better tool to evaluate the health status of paediatric hydrocephalus patients?   | Joy E. Tan <sup>1</sup> , John Caird <sup>2</sup> , Mehrengize Cooper <sup>3</sup>  |
| PG1 P12                      | Cochrane Review: Antiviral agents for infectious mononucleosis (glandular fever)   | Muireann De Paor <sup>1</sup> , Kirsty O'Brien <sup>1</sup> , Tom Fahey <sup>1</sup> , Susan M Smith <sup>1</sup>   |
| PG1 P13                      | Smoking among Doctors and Nurses in Qatar  | Asma AlQallaf <sup>1</sup> , Hamda Al Korbi <sup>2</sup> , Walaa Alawi <sup>3</sup> and Lukman Thalib <sup>4</sup>  |
| PG1 P14                      | Polysarcosine: A Viable Alternative to PEG in Biomedical Applications?   | Seamus Caulfield <sup>1</sup> , Prof. Andreas Heise <sup>1</sup>  |
| PG1 P15                      | Exosomal miR-548d-5p affects neuroblastoma cell viability in dose-dependent manner.  | Ciara M. Fallon <sup>1</sup> , John Nolan <sup>1</sup> , Ross Conlon <sup>1</sup> , Raymond L. Stallings <sup>1</sup> , O Piskareva <sup>1</sup>  |
| PG1 P16                      | Determining the anti-apoptotic BCL-2 family dependency of T-cell acute lymphoblastic leukaemia in distinct microenvironments   | Alessandra Di Grande <sup>1</sup> , Jochen Prehn <sup>1</sup> , Triona Ní Chonghaile <sup>1</sup> .   |
| PG1 P17                      | Evaluation of the compatibility of sildenafil during simulated y-site administration in a paediatric setting.  | Fatemah Alsalman <sup>1</sup> , Fiona O'Brien <sup>1</sup> , Helena Kelly <sup>1</sup>  |
| PG1 P18                      | The role of miRNAs derived from Extracellular Vesicles in driving a host's response to Infection.  | Glenn G. Fitzpatrick <sup>1, 3</sup> , Rebecca L. Watkin <sup>1, 3</sup> , Ray L. Stallings <sup>2</sup> , Phil M. Cummins <sup>4</sup> , Steve W. Kerrigan <sup>1, 3</sup> .   |
| PG1 P19                      | What impact does cold air atmospheric plasma have on bacterial biofilms formed on hospital surfaces?   | Muireann Fallon <sup>1</sup> , Sarah Kennedy <sup>1</sup> , Stephen Daniels <sup>2</sup> , Hilary Humphreys <sup>1,3</sup>  |
| PG1 P20                      | Using hypoxic culture for increased gene delivery efficiency   | Lemoine, M. <sup>1,2,3</sup> , Gonzalez-Fernandez, T. <sup>1,2,3</sup> , Raftery, R. <sup>1,2,3</sup> , O'Byrne, J.M. <sup>1</sup> , Kelly, D.J. <sup>1,2,3</sup> , O'Brien, F.J. <sup>1,2,3</sup>  |
| PG1 P21                      | Teasing apart the SRC-1 mediated transcription network in endocrine resistant breast cancer patients using bioinformatics.   | Nicola Cosgrove <sup>1</sup> , Alacoque Browne <sup>2</sup> , Ailis Fagan <sup>3</sup> , Sara Charmsaz <sup>4</sup> , Damir Vareslija <sup>5</sup> , Sinead Cocchiglia <sup>6</sup> , Leonie Young <sup>7</sup>   |

| Number  | Title  | Author   |
|---------|--|--|
| PG1 P22 | The impact of germline SNPs in ERBB genes and genes associated with homologous recombination deficiency on response to taxotere, platinum and herceptin therapy in the treatment of HER2-positive tumors | Damien Coté <sup>1*</sup> , Stephen F. Madden <sup>1*</sup> , Sinead Toomey <sup>2*</sup> , Simon J. Furney <sup>3</sup> , M Milewska <sup>2</sup> , J Fay <sup>4</sup> , Elain W. Kay <sup>4</sup> , Susan Kennedy <sup>5</sup> , John Crown <sup>5</sup> , Bryan T. Hennessy <sup>2,6</sup> &, Alex J. Eustace <sup>2</sup> &.<br>*These authors contributed equally to this work<br>& signifies joint senior author |



## Post-Graduate Scholars (PG): 2nd Year +

| Number                       | Title  | Author   |
|------------------------------|--|--|
| <b>Poster Presentations:</b> |  |  |
| PG2+ P1                      | Collagen - copper-doped bioactive glass composite scaffolds for the treatment of infection and regeneration of bone                                    | Emily J. Ryan <sup>1,3</sup> , Alan J. Ryan <sup>1,2,3</sup> , Anahí Philippart <sup>4</sup> , Francesca E. Ciraldo <sup>4</sup> , Aldo R. Boccaccini <sup>4</sup> , Cathal J. Kearney <sup>1,2,3</sup> , Fergal J. O'Brien <sup>1,2,3</sup>   |
| PG2+ P2                      | The effect of antihypertensive medication adherence on falls risk in older adults: a prospective cohort study  | Paul Dillon <sup>1</sup> , Susan Smith <sup>2</sup> , Paul Gallagher <sup>1</sup> , Gráinne Cousins <sup>1</sup>   |
| PG2+ P3                      | Assessing the multidimensional relationship between Medication Beliefs and Adherence using Polynomial regression in older adults with Hypertension     | Paul Dillon <sup>1</sup> , L. Alison Phillips <sup>2</sup> , Paul Gallagher <sup>1</sup> , Susan Smith <sup>3</sup> , Derek Stewart <sup>4</sup> , Gráinne Cousins <sup>1</sup>  |
| PG2+ P4                      | Thrombocalc VTE Risk Assessment – Future Research  | Fergal O'Shaughnessy <sup>1,2,3</sup> , Kathleen Bennett <sup>2</sup> , Fionnuala Ní Áinle <sup>4,5</sup> , Brian Cleary <sup>1,3</sup>  |
| PG2+ P5                      | The Impact of Sialic Acid on the Anti-Inflammatory Properties of Alpha-1 Antitrypsin   | Danielle M. Dunlea <sup>1</sup> , Oliver J. McElvaney <sup>1</sup> , Noreen Lacey <sup>1</sup> , Michelle M. White <sup>1</sup> , Brian Marsh <sup>2</sup> , Cormac McCarthy <sup>1</sup> , Padraig Hawkins <sup>1</sup> , Emer P. Reeves <sup>1</sup> and Noel. G McElvaney <sup>1</sup>  |
| PG2+ P6                      | 5FU-based Chemotherapy and TNF sensitized Ex Vivo Colorectal Cancer Explant Cultures to IAP Antagonist Birinapant Treatment                            | Mariangela Meyer <sup>1,2</sup> , Joanna Fay <sup>3</sup> , Orna Bacon <sup>1,2</sup> , Elaine W. Kay <sup>3</sup> , Deborah A. McNamara <sup>4</sup> , Daniel B. Longley <sup>5</sup> , Markus Rehm <sup>1,2,6</sup> , Jochen H.M. Prehn <sup>1,2</sup>   |
| PG2+ P7                      | Epigenetic modulators for the treatment of invasive lobular carcinoma breast cancer  | Louise Walsh <sup>1</sup> , Bruce Moran <sup>2</sup> , Sudipto Das <sup>1</sup> , Finbarr Tarrant <sup>2</sup> , Philip Schouten <sup>3</sup> , Suet-Feung Chin <sup>4</sup> , Rene Bernards <sup>3</sup> , Carlos Caldas <sup>4</sup> , William Gallagher <sup>2</sup> , Triona Ní Chonghaile <sup>5</sup> , Darran O'Connor <sup>1</sup> |
| PG2+ P8                      | Thermoresponsive hydrogels: application of a novel drug delivery platform for interventional oncology procedures.                                      | Seóna M. Rossi <sup>1,2</sup> , Timothy E. Murray <sup>3</sup> , Garry P. Duffy <sup>2</sup> , Michael J. Lee <sup>3</sup> , Helena M. Kelly <sup>1,2</sup> .  |
| PG2+ P9                      | Functional genomic screening identifies USP11 as a novel regulator of ER transcription in breast cancer  | Lisa Dwane <sup>1</sup> , Aisling E. O'Connor <sup>2</sup> , Laoighse Mulrane <sup>2</sup> , Annette M. Dirac <sup>3</sup> , Karin Jirstrom <sup>4</sup> , Rene Bernards <sup>3</sup> , William M. Gallagher <sup>2</sup> , Triona Ní Chonghaile <sup>5</sup> , Darran P. O'Connor <sup>1</sup>  |
| PG2+ P10                     | Formulation of a functionalised biomaterial to support cell viability for the treatment of diabetes mellitus.  | Liam McDonough <sup>1,2</sup> , Rita Ibañez <sup>2</sup> , Eimear Dolan <sup>1,2,3</sup> , Brenton Cavanagh <sup>4</sup> , Garry P. Duffy <sup>2</sup> , Helena Kelly <sup>1,2</sup>   |
| PG2+ P11                     | Donor and Recipient Shared Genetic Ancestry to Predict Medium Term Renal Transplant Outcome  | Caragh P. Stapleton <sup>1</sup> , Patrick B. Mark <sup>2</sup> , Paul J. Phelan <sup>3</sup> , Alan Jardine <sup>2</sup> , Jamie Traynor <sup>2</sup> , Peter J. Conlon <sup>4</sup> and Gianpiero L. Cavalleri <sup>1</sup>  |
| PG2+ P12                     | Genomic analysis of alterations in locally advanced rectal cancer and association with response to neoadjuvant chemoradiotherapy                       | Aoife Carr <sup>1</sup> , Simon Furney <sup>2</sup> , Joanna Fay <sup>3</sup> , Scott Piraino <sup>2</sup> , Elaine W. Kay <sup>3</sup> , Brian O'Neill <sup>4</sup> , Bryan T. Hennessy <sup>1*</sup> , Sinead Toomey <sup>1*</sup>   |
| PG2+ P13                     | Examining the process and impact of risk stratification using a community virtual ward model to manage older persons complex care needs'               | Clare Lewis <sup>1</sup> , Declan Patton <sup>2</sup> , Linda Nugent <sup>3</sup>  |
| PG2+ P14                     | Gene Activated Scaffolds for Tissue Engineering Applications Using a Dendrimer Nano-carrier  | David Walsh <sup>1-4</sup> , Andreas Heise <sup>3,5</sup> , Fergal O'Brien <sup>1-4</sup> , Sally-Ann Cryan <sup>1-4</sup>   |
| PG2+ P15                     | Genomic Insights into the Population Structure and History of the Irish Travellers.  | Edmund Gilbert <sup>1</sup> , Shai Carmi <sup>2</sup> , Sean Ennis <sup>3</sup> , Jim F. Wilson <sup>4</sup> , Gianpiero L. Cavalleri <sup>1</sup>   |
| PG2+ P16                     | Synthesis and characterization of micelles for drug delivery based on hydrophilic-thermoresponsive-hydrophobic triblock copolymers                     | Elena Bobbi <sup>1</sup> , Andreas Heise <sup>1</sup>  |
| PG2+ P17                     | A temperature responsive hydrogel for delivery of all-trans Retinoic Acid and stem cells to the distal airways for pulmonary regeneration applications | Christina Payne <sup>1,2</sup> , Sally-Ann Cryan <sup>1,2,3,4</sup> , Helena M. Kelly <sup>1,2</sup>   |
| PG2+ P18                     | Substrate stiffness dictates macrophage polarization and their cross-talk with mesenchymal stem cells: implications for biomaterial design             | Rukmani Sridharan <sup>1,2,3</sup> , Andrew .R.Cameron <sup>1,2,3</sup> , Daniel.J.Kelly <sup>1,2,3</sup> , Fergal J.O'Brien <sup>1,2,3</sup>  |
| PG2+ P19                     | Advanced biomaterials for peripheral nerve repair: Delivering therapeutic genes or recombinant neurotrophic factors                                    | William A. Lackington <sup>1,2,3</sup> , Rosanne M. Raftery <sup>1,2,3</sup> , Tijna Alekseeva <sup>1,2,3</sup> , Fergal J. O'Brien <sup>1,2,3</sup>   |

| Number   | Title  | Author   |
|----------|--|--|
| PG2+ P20 | Secondary prevention and cognitive function after stroke: Study protocol for a five-year follow-up of the ASPIRE-S cohort  | Daniela Rohde <sup>1</sup> , David Williams <sup>2</sup> , Eva Gaynor <sup>3</sup> , Kathleen Bennett <sup>1</sup> , Eamon Dolan <sup>4</sup> , Elizabeth Callaly <sup>5</sup> , Margaret Large <sup>6</sup> , Anne Hickey <sup>1</sup>  |
| PG2+ P21 | Design and Development of Novel Dual-Threat Metal Chemotherapeutics  | Reece G. Kenny <sup>1</sup> , Celine J. Marmion <sup>1</sup>   |
| PG2+ P22 | The binding of VWF augments macrophage TLR (2/4) signalling – an emerging role for VWF in mac biology and vascular haemostasis.  | Clive Drakeford <sup>1</sup> , Frederick J Sheedy <sup>1</sup> , Alain Chion <sup>2</sup> , Soracha Ward <sup>1,2</sup> , Jamie O'Sullivan <sup>2</sup> , Sonia Aguila <sup>2</sup> , James O'Donnell <sup>2</sup>   |
| PG2+ P23 | Tumour-associated cytokines impact the formation and development of breast microcalcifications in an <i>in-vitro</i> model   | Shane O'Grady <sup>1</sup> , Maria P. Morgan <sup>1</sup>  |
| PG2+ P24 | JAM-A as a novel upstream regulator of Receptor Tyrosine Kinase signalling in breast cancer  | Rodrigo G B Cruz <sup>1</sup> , Nadine Almadani <sup>1</sup> , Ann M Hopkins <sup>1</sup> .  |
| PG2+ P25 | Abstract Withheld  | Aglecia M. V. Budri <sup>1</sup> , Zena Moore <sup>2</sup> , Declan Patton <sup>2</sup> , Tom O'Connor <sup>2</sup> .  |
| PG2+ P26 | Provision of Smoking Cessation Care in a Psychiatric Setting in Ireland  | Annette Burns <sup>1</sup> , James V. Lucey <sup>2</sup> , Judith D. Strawbridge <sup>3</sup> , Luke Clancy <sup>4</sup> , Frank Doyle <sup>1</sup>  |
| PG2+ P27 | A Process Evaluation of HSE Tobacco Free Campus Policy and a Low Literacy Smoking Cessation Programme in Adult Community Mental Health Day Services  | Annette Burns <sup>1</sup> , Margaret Webb <sup>2</sup> , HSE-EVE <sup>2</sup> , Greg Stynes <sup>2</sup> , Tom O'Brien <sup>2</sup> , Judith D Strawbridge <sup>3</sup> , Luke Clancy <sup>4</sup> , Frank Doyle <sup>1</sup>   |
| PG2+ P28 | Mesoporous Silica Nanoparticles as Multifunctional Nanodevices for the Codelivery of chemotherapeutics/miRNA in Neuroblastoma Cells  | Santiago Sánchez-Cabezas, <sup>1</sup> Ciara Fallon, <sup>2</sup> Olga Piskareva, <sup>2</sup> Ramón Martínez-Mañez, <sup>1,3</sup> and Eduardo Ruiz-Hernández. <sup>4,5</sup>   |
| PG2+ P29 | Interrogation of Regorafenib Effects on Colorectal Cancer Molecular Subtypes Implementing Contrast Enhanced Ultrasound (CEUS)  | Adam Lafferty <sup>1*</sup> , Alice C. O'Farrell <sup>1*</sup> , Ian S. Miller <sup>1</sup> and Annette T. Byrne <sup>1</sup>  |
| PG2+ P30 | Abstract Withheld  | Cervantes-Silva Mariana Patricia <sup>1,2</sup> , Annie M Curtis <sup>2</sup> , Sánchez-García Francisco Javier <sup>1</sup>   |
| PG2+ P31 | The purinergic P2Y1 receptor as a new candidate for the treatment of status epilepticus and prevention of seizure-induced brain damage   | Mariana Alves <sup>1</sup> , Amaya Sanz-Rodriguez <sup>1</sup> , Elena Langa <sup>1</sup> , David C.Henshall <sup>1</sup> , Tobias Engel <sup>1</sup>  |
| PG2+ P32 | Intra-tumour Heterogeneity in Treatment Resistant Breast Cancer  | Karen Crowley <sup>1</sup> , Sara Charmsaz <sup>1</sup> , Damir Vareslija <sup>1</sup> , Sinead Cocchiglia <sup>1</sup> , Arnold Hill <sup>2</sup> , Leonie Young <sup>1</sup>   |
| PG2+ P33 | Macrolactone-derived polyesters: Alternative materials in electrospun fibres for biomedical applications.  | Fernando C. S. de Oliveira <sup>1</sup> , Andreas Heise <sup>1</sup>   |
| PG2+ P34 | Abstract Withheld  | Elizabeth Brindley <sup>1</sup> , Mairead Diviney <sup>1</sup> , Gary P Brennan <sup>1</sup> , Asia Batool <sup>1</sup> , Caroline Sheedy <sup>1</sup> , Yan Yan <sup>2</sup> , Morten T. Venø <sup>2</sup> , Jørgen Kjems <sup>2</sup> , David C Henshall <sup>1</sup>  |
| PG2+ P35 | A role for coagulase-negative staphylococci in the evolution of antimicrobial resistance in <i>S. aureus</i> ; messages from the healthy human nares in the absence of antibiotic selective pressure | Paulo Eduardo Budri <sup>1</sup> , Rebecca English <sup>1</sup> Anna C. Shore <sup>2</sup> , David C. Coleman <sup>2</sup> , Hilary Humphreys <sup>1</sup> , Deirdre Fitzgerald-Hughes <sup>1</sup>  |
| PG2+ P36 | Whole genome sequencing of two indigenous high altitude populations identifies adaptive genetic variants for survival in a hypobaric hypoxic environment   | Amy Cole <sup>1</sup> , Ryan Bohlender <sup>2</sup> , Hao Hu <sup>2</sup> , Yao Yu <sup>2</sup> , Erica Heinrich <sup>3</sup> , Cecilia Ramirez <sup>4</sup> , Frank Powell <sup>3</sup> , Eduardo Gao <sup>5</sup> , Francisco Villafuerte <sup>4</sup> , Chad Huff <sup>2</sup> , Tatum Simonson <sup>3</sup> , Gianpiero Cavalleri <sup>1</sup> |
| PG2+ P37 | Elucidating the Role of the Asialoglycoprotein Receptor in the Clearance of Von Willebrand Factor <i>in vivo</i>   | Soracha E. Ward <sup>1,2</sup> , Jamie M. O' Sullivan <sup>1,2</sup> , Clive Drakeford <sup>1,2</sup> , Alain Chion <sup>1,2</sup> and James S. O' Donnell <sup>1,2</sup>  |
| PG2+ P38 | The Development of Non-Conventional Metal-Based Complexes: Trackable Pt-Drugs as anticancer agents   | Eolann Kitteringham <sup>1</sup> , Dan Wu <sup>1</sup> , Donal F. O'Shea <sup>1</sup> , Darren M. Griffith <sup>1</sup>  |
| PG2+ P39 | Development of novel double network hydrogels for application in therapeutic delivery  | Shona O'Brien <sup>1</sup> , Andreas Heise <sup>1</sup>  |
| PG2+ P40 | Molecular patterns underlying TRAIL sensitization by IAP antagonists in Glioblastoma Multiforme.   | Franklin Lincoln <sup>1</sup> , Brona Murphy <sup>1</sup> , Markus Rehm <sup>1</sup>   |
| PG2+ P41 | miR330 Governed Dysregulation of the Vascular Endothelial Barrier During Sepsis  | Rebecca L. Watkin <sup>1,3</sup> , Olga Piskareva <sup>2</sup> , Sudipto Das <sup>3</sup> , Raymond L. Stallings <sup>2</sup> , Steve W. Kerrigan <sup>1,3</sup>   |

| Number   | Title   | Author   |
|----------|---|--|
| PG2+ P42 | The Alcohol Interactive Medicines (AIM) Delphi Study: validating potentially serious alcohol-medication interactions in older adults                            | Ms. Alice Holton <sup>1</sup> , Dr. Cristín Ryan <sup>1</sup> , Prof. Paul Gallagher <sup>1</sup> , Prof. Tom Fahey <sup>2</sup> & Dr. Gráinne Cousins <sup>1</sup>  |
| PG2+ P43 | Development of Functionalised Hydrogels to Enhance Stem Cell Delivery and Integration into the Ischaemic Myocardium   | Laura B. Gallagher <sup>1,2,3</sup> , Eimear B. Dolan <sup>1,6</sup> , Brenton L. Cavanagh <sup>5</sup> , Janice O'Sullivan <sup>1,2,3</sup> , Hugh S. O'Neill <sup>1,2,3</sup> , Thomas Farrell <sup>3</sup> , Fergal J. O'Brien <sup>1,2,3,4</sup> , Garry P. Duffy <sup>1,2,3,4</sup> . |
| PG2+ P44 | Neonatal Sepsis development: The Platelet-endothelial cells tango   | Unwana Emagha <sup>1</sup> , Luke Hughes <sup>1</sup> , Mary Meehan <sup>2</sup> , Steve Kerrigan <sup>1</sup>   |
| PG2+ P45 | Pt Anticancer Compounds; Targeting HSP70-1  | Aoife McKeon <sup>1</sup> , Janis Noonan <sup>2</sup> , Marc Devocelle <sup>1</sup> , Brona Murphy <sup>2</sup> , Darren Griffith <sup>1</sup>   |
| PG2+ P46 | 3D Printing Hydrogels for Biomedical Applications: Assembly of open source printer and optimisation of parameters for micron scale resolution scaffold printing | Patricia Monks <sup>1</sup> , Dermot Brougham <sup>2</sup> , Andreas Heise <sup>1</sup>  |
| PG2+ P47 | Abstract Withheld   | Cervantes-Silva Mariana Patricia <sup>1, 2</sup> , Annie M Curtis <sup>2</sup> , Sánchez-García Francisco Javier <sup>1</sup>  |

## Undergraduate Research

| Number                       | Title  | Author   |
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| <b>Oral Presentations:</b>   |  |  |
| UG O1                        | Are overweight children at increased risk of mental health problems later on?—A longitudinal study   | Patrick A Williams <sup>1</sup> , Mary Cannon <sup>1</sup> , Mary C Clarke <sup>1,2</sup>  |
| UG O2                        | Improving surgical antibiotic prophylaxis for surgical site infection prevention   | Oisín Conaty <sup>1</sup> , Leah Gaughan <sup>2</sup> , Colum Downey <sup>3</sup> , Yvonne Downey <sup>4</sup> , Noreen Carolan <sup>3</sup> , Fidelma Fitzpatrick <sup>5</sup> .    |
| UG O3                        | The effect of air pollution and respiratory viruses on adverse events in severe asthma patients (INCA-1 Trial)   | Mr James Charles Sheil <sup>1</sup> , Dr Isabelle Killane <sup>1</sup> PhD, Mrs Elaine MacHale <sup>1</sup> MSc, Prof Richard W Costello <sup>1</sup>                                |
| UG O4                        | Evaluation of a microparticle-doped collagen-based scaffold designed for diabetic wound healing  | Renuka Sitram <sup>1</sup> , Syama S. Gollapalli <sup>1</sup> , Fergal J. O'Brien <sup>1,2</sup> , Cathal J. Kearney <sup>1,2</sup>  |
| UG O5                        | Sanger Confirmation of Suspected Epilepsy-Related Pathogenic Variants Identified Through Next-Generation Sequencing.   | Jack Donohue <sup>1</sup> , Mark McCormack <sup>2</sup> , Norman Delanty <sup>3</sup> and Gianpiero L Cavalleri <sup>2</sup> .   |
| UG O6                        | Predicted targets of miR-124a regulate genes of apoptosis, integrin and p53 pathways in neuroblastoma.   | Rachel O'Brien <sup>1</sup> , John Nolan <sup>1</sup> , Raymond Stallings <sup>1</sup> , Olga Piskareva <sup>1</sup>   |
| <b>Poster Presentations:</b> |  |  |
| UG P1                        | The impact of early adolescent psychotic-like experience on mid adolescent psychological wellbeing; A Longitudinal Study   | Aoife Adelaide Gordon <sup>1</sup> , Colm Healy <sup>1</sup> , Mary Cannon <sup>1</sup>  |
| UG P2                        | Abstract Withheld  | Jessica Suddaby <sup>1,2</sup> , Steve Seedhouse <sup>1</sup> , Barbara Foster <sup>1</sup>  |
| UG P3                        | Investigation of miR-143-5p as a regulator of CFTR expression  | Sucharita K. Gadi <sup>1</sup> , Chiara De Santi <sup>1</sup> , Catherine M. Greene <sup>1</sup>   |
| UG P4                        | Examining the association between overweight and later mental health problems in Irish children  | Patrick A. Williams <sup>1</sup> , Mary Cannon <sup>1</sup> , Mary C. Clarke <sup>1,2</sup>  |
| UG P5                        | Investigation into the impact of Androstenedione on ER-beta protein expression in Hormone dependent and independent breast cancer  | Ahmed Al-Aloosi <sup>1</sup> , Laura Creevy <sup>1</sup> , Rachel Bleach <sup>1</sup> , Marie McIlroy <sup>1</sup>   |
| UG P6                        | Analysing the expression of HNF transcription factors in two mouse models of ALS.  | Martin Crivello Garcia <sup>1</sup> , Jochen H. Prehn <sup>1</sup> , Bobmanuel C. Alex <sup>2</sup>  |
| UG P7                        | Stability Profiling of Bosentan Liquid Formulation   | Nicola Gray <sup>1</sup> , Fiona O'Brien <sup>1</sup>  |
| UG P8                        | Outcome of mother and neonates with rhesus and other blood group antibodies  | Laure Experton <sup>1</sup> , Colin Kirkham <sup>2</sup> , Cathy Monteith <sup>2</sup> , Deirdre Murphy <sup>2</sup> , Mary Holohan <sup>2</sup> , Jennifer C. Donnelly <sup>2</sup> |
| UG P9                        | Colorectal cancer increases the thrombogenicity of platelets   | Louis Richter <sup>1,2</sup> , Jonathan Cowman <sup>2,3</sup> , Eimear Dunne <sup>2,3</sup> , Dermot Kenny <sup>2,3</sup>  |
| UG P10                       | Characterisation of the P2X7 receptor, a potential anti-epileptic drug target, in a transgenic mouse model.  | Claudia Condon <sup>1</sup> , Marianna Alves <sup>2</sup> , Yasmina Hernández <sup>2</sup> , Tobias Engel <sup>2</sup>   |
| UG P11                       | To Identify the Impact of Fatigue in a Mixed Neurosurgical Population.   | Hannah Walsh <sup>1</sup> , Kareena Malone <sup>2</sup> , Fiona Kinsella <sup>3</sup> , Dr Dara Meldrum <sup>4</sup> .   |
| UG P12                       | “Don’t Drop the Baby”<br>Recruiting for the Maternal Lifestyle and Behaviour Change Intervention Study in the Coombe Women and Infants University Hospital, Dublin- lessons learnt | Divya Gautam <sup>1</sup> , Jonathan Lim <sup>2</sup> , Cherisse Littrean <sup>3</sup> , Daniel Loong <sup>4</sup> , Dr Regien Biesma <sup>5</sup> , Dr Georsan Caruth <sup>6</sup>  |
| UG P13                       | USP11 – A New Approach in Treating Breast Cancer.  | Vivien Tan <sup>1</sup> , Lisa Dwane <sup>2</sup> , Darran O'Connor <sup>3</sup>   |
| UG P14                       | Green Campus Baseline Report - Biodiversity  | Jin Ji Lim <sup>1</sup> , Ahmed Sameer Zainy <sup>2</sup> , Leena Waqar Ahmad <sup>2</sup> , Professor Brendan Kavanagh <sup>3</sup> , Mr Eric Clarke <sup>4</sup>                   |
| UG P15                       | General practitioners' perceptions and experiences of benzodiazepine prescribing: a scoping review of qualitative literature   | Seán FitzGerald <sup>1</sup> , Cristín Ryan <sup>1</sup> , Cathal Cadogan <sup>1</sup>   |
| UG P16                       | Hormonal Therapy Medication Taking Behavior and Health Related Quality of Life In Women With Stage I to III Breast Cancer In Ireland   | Ang Bee Hong <sup>1</sup> , Kathleen Bennett <sup>1</sup> , Stephan U Dombrowski <sup>2</sup> , Linda Sharp <sup>3</sup> and Caitriona Cahir <sup>1</sup>                            |
| UG P17                       | Hormonal Therapy Medication Taking Behavior (MTB) and Side-effects in Women with Stage I to III Breast Cancer in Ireland   | Nicole Fong Wan June <sup>1</sup> , Kathleen Bennett <sup>1</sup> , Stephan U Dombrowski <sup>2</sup> , Linda Sharp <sup>3</sup> and Caitriona Cahir <sup>1</sup> .                  |

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| UG P18 | Development of miRNA therapeutics for cartilage repair using collagen-based scaffolds.  | Viren Manshani <sup>1</sup> , Irene Mencía Castaño <sup>1,2,3</sup> , Caroline M. Curtin <sup>1,2,3</sup> , Fergal J. O'Brien <sup>1,2,3</sup>   |
| UG P19 | Emergency Department Full Capacity protocol analysis: A study into patient perspectives on being a boarded patient in the Emergency Department or admitted to an extra bed on the ward. | Hugh McGowan <sup>1</sup> , Krystal Gopeesingha <sup>1</sup> , Patrick O'Kelly <sup>2</sup> , Peadar Gilligan <sup>3</sup>   |
| UG P20 | Introducing a multidisciplinary frailty intervention treatment team (FITT) for the elderly in the emergency department (ED) at Beaumont hospital – A prospective cohort study           | Simon Galligan <sup>1</sup> , Kieron Connolly <sup>1</sup> , Ciaran Donegan <sup>2</sup> , Ciara O'Reilly <sup>3</sup> , Fiona Keogan <sup>3</sup> , Paul Maloney <sup>4</sup> , Mary Walsh <sup>1</sup> , Frances Horgan <sup>1</sup>   |
| UG P21 | Best Practice in Arthroscopic Rotator Cuff Repair - A Systematic Review of Overlapping Meta-Analyses  | Eoghan T. Hurley <sup>1</sup> , Andrew B. Maye <sup>1</sup> , Frank G. Lyons <sup>1</sup> , Hannan Mullett <sup>1,2</sup>  |
| UG P22 | Examining Effects of Feedback from Inhaler Compliance Assessment Device (INCA) in Asthma and COPD   | Mashari Alghuroba <sup>1</sup> , Isabelle Killane <sup>2</sup> , Richard Costello <sup>3</sup>   |
| UG P23 | Fetal Rhesus D genotyping for targeted antenatal Anti-D prophylaxis   | Grace Madigan <sup>1</sup> , Deirdre Murphy <sup>2</sup> , Fionnuala Ní Áinle <sup>2</sup> , Mark Lambert <sup>3</sup> , Sorcha Ni Loingsigh <sup>3</sup> , Jennifer Donnelly <sup>4</sup>   |
| UG P24 | Shark derived aminosterol squalamine- at the interface between coronavirus and host cell.   | Lydia Fortune <sup>1</sup> , Mihayl Varbanov <sup>2</sup> , Carole Gardiennet <sup>3</sup> , Axel Gansmuller <sup>4</sup> , Sam Maher <sup>5</sup>   |
| UG P25 | Abstract Withheld   | C. C Egan <sup>1</sup> , T. E Taylor <sup>2</sup> , R.W Costello <sup>1,3</sup>  |
| UG P26 | Introducing a multidisciplinary frailty intervention treatment team (FITT) for the elderly in the emergency department (ED) at Beaumont hospital – A retrospective review               | Kieron Connolly <sup>1</sup> , Simon Galligan <sup>1</sup> , Ciaran Donegan <sup>2</sup> , Ciara O'Reilly <sup>3</sup> , Fiona Keogan <sup>3</sup> , Paul Maloney <sup>4</sup> , Mary Walsh <sup>1</sup> , Frances Horgan <sup>1</sup> . |
| UG P27 | Assessing how a novel histone deacetylase 6 (HDAC 6) inhibitor kills chemoresistant cancer cells.   | Sian Won Tan <sup>1</sup> , Candice Fraser <sup>1</sup> , Dr. Triona Ní Chonghaile <sup>1</sup>  |
| UG P28 | Evaluating Patient Perception of Quality of Care in COPD  | Philippa Mac Hale <sup>1</sup> , Breda Cushen <sup>1</sup> , Richard W. Costello <sup>1</sup>  |
| UG P29 | Pre-Test Counselling – An Essential Part of Antenatal Screening for Fetal Aneuploidy in an Era of Expanded Testing Choices  | Ciara Malone <sup>1</sup> , Lisa McSweeney <sup>2</sup> , Elizabeth Tully <sup>2</sup> , Fergal Malone <sup>2</sup>  |
| UG P30 | HVCN-1; the proton channel with a role in neutrophil degranulation  | Clare Foley <sup>1</sup> , Michelle M. White <sup>1</sup> , Niall Browne <sup>1</sup> , Noel G. McElvaney <sup>1</sup> and Emer P. Reeves <sup>1</sup>   |
| UG P31 | Alpha-1 antitrypsin deficiency and rheumatoid arthritis: Is there a link?   | Deborah Cardiff <sup>1</sup> , David Hunt <sup>1</sup> , Noel G. McElvaney <sup>1</sup> , Emer Reeves <sup>1</sup>   |
| UG P32 | The evaluation of the neutrophil elastase inhibitory capacity of NEI1 and two reference compounds, NEI2 and NEI3, in inflammatory lung disease.   | Elizabeth McGee <sup>1</sup> , Gillian M. Lavelle <sup>1</sup> , Emer P. Reeves <sup>1</sup> , Noel G. McElvaney <sup>1</sup> .  |
| UG P33 | Evaluating the role of aging in the osteogenic potential of mesenchymal stromal cells in response to biochemical and biophysical cues.  | Deirdre Harford <sup>1</sup> , Arlyng Gonzalez Vazquez <sup>2</sup> , Fergal J O'Brien <sup>3</sup> .  |
| UG P34 | To examine the efficacy and safety of insulin pump therapy in type 1 diabetes mellitus (T1DM) in a longitudinal retrospective study in Mater University Hospital Dublin.                | Safari Aketch <sup>1</sup> , Alexa Resler <sup>1</sup> , Siobhan Bacon <sup>2</sup> , Jochen Prehn <sup>1</sup> , Maria Byrne <sup>2</sup>   |
| UG P35 | Surgical adverse events in Irish hospitals based on the Irish National Adverse Events Study (INAES): a retrospective record review study  | Joseph J.M. Gerald <sup>1</sup> , Ronan Conroy <sup>2</sup> , Ronan Finn <sup>1</sup> , Anne Hickey <sup>4</sup> , David Williams <sup>3</sup> , Natasha Rafter <sup>2</sup>   |
| UG P36 | Accelerometric Data Processing to Estimate Physical Activity in Obese Adolescents   | Orla Doolin <sup>1</sup> , Prof Marie Guidon <sup>1</sup> , Dr Grace O'Malley <sup>2</sup>   |
| UG P37 | Does treatment of HCV infec2on result in lower costs of care?   | Niamh Connolly <sup>1</sup> , Emma Gray <sup>2</sup> , Aisling O' Leary <sup>3</sup>   |
| UG P38 | The effect of a novel read-through Agent, PTC124 (Ataluren) on the Null (Q0-Bolton) Mutation in AAT Deficiency.   | Erica O'Sullivan <sup>1</sup> , Paul J. McKiernan <sup>2</sup> , Emer P. Reeves <sup>3</sup> , Noel G. McElvaney <sup>4</sup> .  |
| UG P39 | Enantioselective Phase Transfer Catalysed preparation of 4,5,6-trisubstituted Pyranones   | Nadeen Maloudi <sup>1</sup> , Carlo Bottinelli <sup>1</sup> , Dario Destro <sup>1</sup> , Mauro F.A Adamo <sup>1</sup>   |
| UG P40 | The Role of miR-204 in Drug Resistant Neuroblastoma   | Jessica Tate <sup>1</sup> , John Nolan <sup>1</sup> , Raymond L. Stallings <sup>1</sup> , Olga Piskareva <sup>1</sup>  |
| UG P41 | Multi-Targeted Platinum (IV) Prodrugs: Current Status and Future Perspectives.  | Alanna Crawford <sup>1</sup> , Reece Kenny <sup>2</sup> , Celine J. Marmion <sup>3</sup>   |
| UG P42 | How does culture impact trust in the patient-doctor relationship?   | Malak Al Qubaisi <sup>1</sup> , Marie O'Shea <sup>1</sup> , Ludmila Marciniowicz <sup>2</sup> , Jane Uygur <sup>3</sup> , Lorna Flannery <sup>4</sup> , Teresa Pawlikowska <sup>1</sup> .  |

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| UG P43 | Physicochemical characterisation of All-Trans-Retinoic-Acid Solid Lipid Nanoparticles and assessment of anti-inflammatory activity in a human lung cell line                                 | Jessica Millar <sup>1</sup> , Christina Payne <sup>1,2</sup> , Helena Kelly <sup>1,2</sup> .  |
| UG P44 | The Impact of Early Life Stress on Psychological Symptoms in Young Irish Adolescents.  | Dearbhail Ni Cathain <sup>1,2</sup> , Mary Cannon <sup>1</sup> , Mary Clarke <sup>1,2</sup> .   |
| UG P45 | Validation of a Motion Capture System.   | Neal Dawson <sup>1</sup> ,Dara Meldrum <sup>1</sup> , Frederick Wetterling <sup>2</sup> , Susan Giblin <sup>2</sup> , Mark McGroaty <sup>2</sup> .  |
| UG P46 | Audit of adherence to acute and chronic medical management guidelines in COPD.   | Eoin Cleere <sup>1</sup> , Breda Cushen <sup>2</sup> , Abir Alsaid <sup>2</sup> , Philippa MacHale <sup>1</sup> , Lorraine Tompkins <sup>2</sup> , Richard Costello <sup>2</sup>  |
| UG P47 | Injury Incidence among Aerial Dance Performers in Ireland: a Prospective Cohort Study  | Eleanor Creighton <sup>1</sup> , Stephen O'Rourke <sup>2</sup> and Louise Keating <sup>1</sup> .  |
| UG P48 | Balance, Gait and Dizziness in Adult Patients post Cochlear Implant  | James Garvan <sup>1</sup> , Dr.Dara Meldrum <sup>2</sup> , Dr.Deirdre Murray <sup>3</sup>   |
| UG P49 | Occurrence of Central Sensitisation and Neuropathic Pain in Osteoarthritis   | O'Grady A <sup>1</sup> , French HP <sup>1</sup> , O'Donoghue C <sup>2</sup> , Reid, A <sup>2</sup>  |
| UG P50 | The Purinergic P2Y1 Receptor As Novel Treatment Target In Epilepsy   | Iliana F. Sjariffudin <sup>1</sup> , Mariana Alves <sup>2</sup> , Yasmina Hernandez <sup>2</sup> , Tobias Engel <sup>2</sup>  |
| UG P51 | Dead end in treating resistant breast cancer? Using Fulvestrant to overcome tamoxifen resistance in ER-positive breast cancer cells  | Charmi Dholakia <sup>1</sup> , Damir Vareslija <sup>2</sup> , Siobhan P. Purcell <sup>2</sup> , Arnold Hill <sup>2</sup> , Leonie Young <sup>2</sup>  |
| UG P52 | Assessing Cytotoxic and Antiviral Properties of the crude extract of <i>Curvularia papendorffii</i>  | Haritha Jacob <sup>1</sup> , Dr. Mihayl Varbanov <sup>2</sup> , Dr. Rosella Spina <sup>3</sup>  |
| UG P53 | In Vitro Assessment of Oxygenated Hydrogels for Pancreatic Islet Transplant  | Eamon Harrigan <sup>1</sup> , Liam McDonough <sup>1</sup> , Dr. Eimear Dolan <sup>1</sup> , Dr. Liam Burke <sup>1</sup> , Dr. Helena Kelly <sup>1</sup> , Dr. Garry Duffy <sup>1</sup>                                  |
| UG P54 | RCSI's Green Campus Project  | Ahmed Leena <sup>1</sup> , Lim Jin Ji <sup>1</sup> , Zainy Ahmed <sup>1</sup> , Clarke Eric <sup>1</sup> , Kavanagh Brendan <sup>1</sup>  |
| UG P55 | Effectiveness of university-based primary prevention programmes for sexual violence perpetration: A systematic review protocol   | Mary Tien-Yi Wang <sup>1</sup> , Caroline Kelleher <sup>2</sup>   |
| UG P56 | Pharmacogenomic analysis of on/ off target adverse drug reactions in epilepsy  | Sowmya Sharma <sup>1</sup> , Mark McCormack <sup>1</sup> , Graeme Sills <sup>2</sup> , Sanjay Sisodiya <sup>3</sup> , Norman Delanty <sup>1</sup> , Gianpiero L. Cavalleri <sup>1</sup> on behalf the EpiPGX Consortium |
| UG P57 | Audit to Assess the Compliance of Systemic Antifungal Prescribing in Adults with Hampshire Hospitals NHS Foundation Trust (HHFT) Guidelines 2016.  | Sara Tierney <sup>1</sup> , Taryn Kayser <sup>2</sup>   |
| UG P58 | A Systematic Review of the Measurement Properties of Tests of Postural Control in Knee Osteoarthritis (OA)   | Venencie Anne <sup>1</sup> , Dara Meldrum <sup>1</sup> , Charlotte Hager <sup>2</sup> , Ryan Fagan <sup>3</sup> , Helen P. French <sup>1</sup> .  |
| UG P59 | Methods of Pressure Ulcer Risk Assessment  | Tan Hoong Yunn <sup>1</sup> , Declan Patton <sup>2</sup> , Jane Burns <sup>2</sup>  |
| UG P60 | Medical Student's Attitude towards Public Health and Epidemiology  | Michelle Tang <sup>2</sup> , Regien Biesma <sup>1</sup> , Siti Shuhada <sup>2</sup> , Natasha Rafter <sup>1</sup>   |
| UG P61 | Retrospective Record Review of Healthcare Associated Infections from the Irish National Adverse Events Study (INAES).  | Finn R, Conroy R <sup>1</sup> , Gerald JM, Hickey A <sup>2</sup> , Williams D <sup>1</sup> , Rafter N <sup>1</sup>  |
| UG P62 | Systematic review of barriers to provision of smoking cessation intervention in hospital in-patient setting  | Ali Alsahlane <sup>1</sup> , David Horan <sup>1</sup> , Tom Sharpe <sup>1</sup> , Frank Doyle <sup>2</sup>  |
| UG P63 | Accuracy of IV Infusions at Low Flow Rates in Preterm Neonates   | Etain Kelly <sup>1</sup> , Dr. Fiona O'Brien <sup>1</sup> , Prof Brian Cleary <sup>2</sup>  |
| UG P64 | An LGI1 mimetic as a therapeutic for breast cancer   | Shin Loong Soong <sup>1</sup> , Ben Doherty <sup>1</sup> , Prof. Leonie Young <sup>1</sup> .  |
| UG P65 | Abstract Withheld  | Ahmed Alsaffar <sup>1</sup> , James Barlow <sup>2</sup>   |
| UG P66 | Assessing the impact of complex multimorbidity on adverse health outcomes in older community-dwelling people   | Lisa Freyne <sup>1</sup> Professor Susan Smith <sup>2</sup> Dr Emma Wallace <sup>2</sup>  |
| UG P67 | The Effects on Pain and Function of a 6 week Stretching Programme for Children with Osgood Schlatter Disease.  | Lauren Fenton <sup>1</sup> Cliona Blake <sup>2</sup> Louise Keating <sup>1</sup>  |
| UG P68 | Silencing of IκB-kinase (IKK) signalosome and NF-κB proteins in neuronal cells suggest negative feedback regulation of ankyrin-G levels in the axon initial segment through NF-κB signalling | Mohammaed M. Ameen <sup>1</sup> & Hans-Georg Koenig <sup>1,2</sup>  |

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| UG P69 | The Natural History of Prenatally Diagnosed Fetal Aneuploidy; A Ten Year Retrospective Case Series in a Large Tertiary Referral Centre.                                 | Hannah Dunne <sup>1</sup> , Karen Flood <sup>2</sup> .  |
| UG P70 | Development of Validated HPLC method for Quantification of Misoprostol  | Haritha Jacob <sup>1</sup> , Dr. Fiona O'Brien <sup>1</sup>   |
| UG P71 | Evaluation of over-encapsulation and overfilling on the quality and drug release properties of a double-blinded clinical trial product for the treatment of cellulitis. | Gráinne O'Reilly <sup>1</sup> , John Hayden <sup>1</sup> , Zebunnissa Ramtoola <sup>1</sup>   |
| UG P72 | MLH1 methylation analysis in hereditary and sporadic colorectal cancer  | Tony Ogrady <sup>1</sup> , Robert Cummins <sup>2</sup> , Mohammed Farhan <sup>3</sup>   |
| UG P73 | Impact of Toxicology Testing on Patient Management  | Terry Jun Kai Tan <sup>1</sup> , Seamus Sreenan <sup>2</sup> , Joseph McKeever <sup>3</sup> , William Tormey <sup>4</sup> , John H McDermott <sup>2</sup>             |
| UG P74 | Enantioselective Phase Transfer Catalysed preparation of 4,5,6-trisubstituted Pyranones   | Nadeen Maloudi <sup>1</sup> , Carlo Bottinelli <sup>1</sup> , Dario Destro <sup>1</sup> , Mauro F.A Adamo <sup>1</sup>  |
| UG P75 | Examining regional variation in the prevalence of multi-morbidity in the Irish population   | Sarah Maloudi <sup>1</sup> , Kathleen Bennett <sup>1</sup> and Caitriona Cahir <sup>1</sup>   |
| UG P76 | New chemical entities (NCE) for the treatment of Systemic Lupus Erythematosus (SLE)   | Khalid Al-Aayed <sup>1</sup> , Ana A.Lopez <sup>1</sup> , Jay Chandanshive <sup>1</sup> , Caroline Jefferies <sup>1</sup> , Marian Brennan <sup>1</sup>               |
| UG P77 | The Efficacy of a Physiotherapy-led Musculoskeletal Shoulder Injection Therapy Clinic   | Brid O'Donoghue <sup>1</sup> , Sarah Pyper <sup>2</sup> , Jenny Ashton <sup>2</sup> , Clare Gilsenan <sup>2</sup> , Dr. Helen French <sup>1</sup> .                   |
| UG P78 | Assessing the anti-proliferative and anti-metastatic potential of Pt-Mal SAHA in colorectal cancer cell lines.  | Hannah Markey <sup>1</sup> , Lisa Dwane <sup>2</sup> , Brian Mooney <sup>2</sup> , Darran O'Connor <sup>2</sup> , Sudipto Das <sup>2</sup>                            |
| UG P79 | Enhanced Survival of Cardiac Stem Cells in Response to SUMulaUon by Insulin-Like Growth Factor-1  | Harumi Ramanayake <sup>1,2,3</sup> , Laura Gallagher <sup>1,2,3</sup> , Garry Duffy <sup>1,2,3</sup>  |
| UG P80 | Difficult airway devices (DAD) study: A prospective convenience sample study of the use of videos in imparting psychomotor skills in airway management.                 | Saleh Alhumaid <sup>1</sup> , Saeed Alzaabi <sup>1</sup> , Dr.Peadar Gilligan <sup>2</sup>  |
| UG P81 | Relationship between Exercise Capacity, Pulmonary Function and Demographics in Adults with Cystic Fibrosis: a cross-sectional study.                                    | Nadine Coptly <sup>1</sup> , Lydia Cullen <sup>2</sup> , Ryan Fagan <sup>2</sup> , Elanor Styles <sup>2</sup> , Ronan Conroy <sup>3</sup> , Marie Guidon <sup>4</sup> |
| UG P82 | Impact of Toxicology Testing on Patient Management  | Terry Jun Kai Tan <sup>1</sup> , Seamus Sreenan <sup>2</sup> , Joseph McKeever <sup>3</sup> , William Tormey <sup>4</sup> , John H McDermott <sup>2</sup>             |
| UG P83 | Development of controlled delivery systems to enhance the temporal and spatial specificity of DNA-origami.  | Syama S. Gollapalli <sup>1</sup> , Renuka Sitram <sup>1</sup> , Cathal J. Kearney <sup>1,2</sup>  |
| UG P84 | Evaluation of a microparticle-doped collagen-based scaffold designed for diabetic wound healing.  | Renuka Sitram <sup>1</sup> , Syama Sundar Gollapalli <sup>2</sup> , Dr. Cathal Kearney <sup>3</sup>   |
| UG P85 | Abstract Withheld   | Candice Fraser <sup>1</sup> , Triona Ni Chonghaile <sup>2</sup>   |
| UG P86 | Investigating the effect of cold air plasma on S. aureus biofilms   | Stephanie Cullan <sup>1</sup> , Stephen Daniels <sup>2</sup> , Hilary Humphreys <sup>3</sup> , Niall Stevens <sup>4</sup>   |
| UG P87 | Human Immunodeficiency Virus (HIV) Variability and Therapeutic Issues   | Ayebaekipreye Obed <sup>1</sup> , Evelyne Schvoerer <sup>2</sup> , Brice Malve <sup>3</sup> , Sam Maher <sup>1</sup>  |
| UG P88 | Delirium assessment in the Emergency Department using SQiD, MOCA and 4AT Study.   | Anna Bennett <sup>1</sup> , Sailesh Partheeban <sup>2</sup> , Peadar Gilligan <sup>3</sup>  |
| UG P89 | Glycemic control in elderly type 2 diabetes patients attending an Irish Diabetes clinic.  | Duane C <sup>1</sup> , Cheah SK <sup>1</sup> , Durak A <sup>2</sup> , McDermott J <sup>2</sup> , Kyaw Tun T <sup>2</sup> , Sreenan S <sup>1</sup>                     |
| UG P90 | Demographic Comparison of Surgical Patients in Malawi and Zambia Hospitals: Findings from the COST-Africa project   | Michael Strader <sup>1</sup> , Rachel Dharamshi <sup>1</sup> , Jakub Gajewski <sup>1</sup> , Tracey McCauley <sup>1</sup> , Ruairi Brugha <sup>1</sup>                |
| UG P91 | Abstract Withheld   | Soheil Afsharpour <sup>1</sup> , Pauline Aubert <sup>1</sup> , Reece Kenny <sup>1</sup> , Marian Brennan <sup>1</sup> , Celine J. Marmion <sup>1</sup>                |
| UG P92 | Real World Experience of Generic Substitution in Ireland – Perspectives of Pharmacists  | Oisín Judge <sup>1</sup> , Aisling O'Leary <sup>1,2</sup> , Cara Usher <sup>2</sup> , Matthew Lynch <sup>1</sup> , Paul Gallagher <sup>1</sup>                        |
| UG P93 | Investigation on the role of Bcl-2 family protein Bok in response to excitotoxic events and ER stress in primary neurons  | Julia Mateyka <sup>1</sup> , Beatrice D'Orsi <sup>1</sup> , Jochen Prehn <sup>1</sup> .   |
| UG P94 | Parvimonas micra, a biomarker for colorectal cancer?  | Thunayan Aldalmani <sup>1</sup> , David Hughes <sup>1</sup> , Jan Kral <sup>1</sup>   |

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| UG P95  | Abstract Withheld  | Muhammad Syahir Mustafa <sup>1</sup> , Prof Ruairí Brugha <sup>1</sup> , Dr Aisling Walsh <sup>1</sup> .  |
| UG P96  | Therapeutic Aerosol Bioengineering of Osteopontin siRNA nanoparticles for treatment of lung cancer   | Efeomo Ebomwonyi <sup>1</sup> , Nessa Walsh <sup>1</sup> , Joanne O'Dwyer <sup>1,2</sup> , SallyAnn Cryan <sup>1,2,3,4</sup> , Joanne M. Ramsey <sup>1,2,3,4</sup>  |
| UG P97  | Movement of drugs for cancer through the pharmacoeconomic evaluation process in Ireland: consideration given to the quality of clinical evidence | Elizabeth Dolan <sup>1</sup> , Laura McCullagh <sup>2,3</sup> , Michael Barry <sup>2,3</sup>  |
| UG P98  | A Systematic Review of Vitamin D Deficiency in Obese and Overweight Children   | Abhirami Ananth* <sup>1</sup> , Camille Tastenhoye* <sup>1</sup> , Regien Biesma <sup>2</sup>   |
| UG P99  | Passport or Not? Abdominal Aortic Aneurysm Surveillance.   | Jonavan Tan <sup>1</sup> , Daragh Moneley <sup>2</sup> , Austin Leahy <sup>2</sup> , Patricia Fitzgerald <sup>3</sup>   |
| UG P100 | Investigation of Linezolid and Daptomycin resistance among Clinical isolates of Vancomycin resistant Enterococci (VRE)                           | Diana Persad <sup>1</sup> , H el ene McDermott <sup>1</sup> , James O'Rourke <sup>1</sup> , Hilary Humphreys <sup>1</sup> , Deirdre Fitzgerald Hughes <sup>1</sup>  |
| UG P101 | Novel Ruthenium Complexes of Iron Chelators as Potential Antibacterial Agents  | Oloruntunmike O. Adetona <sup>1</sup> , Donal M. Keogan <sup>1</sup> , Darren M. Griffith <sup>1</sup>  |
| UG P102 | Quantifying Interprofessional Education Outcomes for Undergraduate Pharmacy Students   | Nessa Quinn <sup>1</sup> , Judith Strawbridge <sup>1</sup> , Crist n Ryan <sup>1</sup>  |
| UG P103 | Abstract Withheld  | Leonor Ferreira <sup>1</sup> , Mar a C. Alf rez <sup>1</sup> , Samira N. Granados <sup>1</sup> , Inmaculada P. Lopez <sup>1</sup> , Pilar F. Ib a nez <sup>1</sup>  |
| UG P104 | Green Campus baseline report- waste management   | Ahmed Zainy <sup>1</sup> , Leena Waqar Ahmad <sup>2</sup> , Jin Ji Lim <sup>3</sup> , Brendan Kavanagh <sup>4</sup> , Eric Clarke <sup>5</sup> .  |
| UG P105 | 3D Printing of Clinical Models from CT Data  | Moshira Mahran <sup>1</sup> , Ahmed Mahran <sup>1</sup> , Andy Ma <sup>1</sup> , Michael B. Keogh <sup>1</sup>  |
| UG P106 | Creating Virtual Models for Anatomy: The Development of a Novel Tool for 3D Visualization  | Ahmed Mahran <sup>1</sup> , Moshira Mahran <sup>1</sup> , Michael B. Keogh <sup>1</sup> , Andy Ma <sup>1</sup>  |
| UG P107 | Clinical and Genetic Analysis of Vigabatrin Induced Visual Field loss  | Ailbhe O'Driscoll-Collins <sup>1</sup> , Caragh Stapleton <sup>2</sup> , Mark McCormack <sup>3</sup> , Lisa Slattery <sup>4</sup> , Julia Button <sup>5</sup> , Shiv Saidha <sup>6,1</sup> , Omar Allouz <sup>7</sup> , Emily Hughes <sup>8</sup> , Lisa Clayton <sup>9,1</sup> , Ian Dooley <sup>10,1</sup> , Norman Delanty <sup>11,1</sup> , Sanjay Sisodiya <sup>12,1</sup> and Gianpiero Cavalleri <sup>13,1</sup> |



## Health Professions Education

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| <b>Academic Staff</b>                             |  |   |
| AS P1   | Medical Student Intervention to Promote Effective Nicotine Dependence and Tobacco HEalthcare (MIND-THE-GAP): Results from a single-centre feasibility randomised trial (NCT02601599) | Anusha Kumar <sup>1</sup> , Kenneth D Ward <sup>2</sup> , Lisa Mellon <sup>3</sup> , Miriam Gunning <sup>4</sup> , Sinead Stynes <sup>4</sup> , Anne Hickey <sup>3</sup> , Ronán Conroy <sup>3</sup> , Shane MacSweeney <sup>3</sup> , David Horan <sup>5</sup> , Graduate Entry Programme 2014-19 <sup>5</sup> , Liam Cormican <sup>1,6</sup> , Seamus Sreenan <sup>5,6</sup> , Frank Doyle <sup>3</sup> |
| AS P2   | Driving Quality in Healthcare Simulation – Applying Lean Management Principles to Learning   | Clare Sullivan <sup>1</sup> , Prof James Murray <sup>1</sup>  |
| AS P3   | Mission and Strategic objectives for the RCSI's Academic & Educational Building  | Prof James Murray <sup>1</sup> , Clare Sullivan <sup>1</sup>  |
| AS P4   | Transitions in Health Professions Education: A Phenomenological Analysis of Acclimatisation to the First Year of Study   | Dr Martina Crehan <sup>1</sup>  |
| AS P5   | Intentions of medical students to treat tobacco dependence post-graduation   | Kenneth Ward <sup>1</sup> , Lisa Mellon <sup>2</sup> , Frank Doyle <sup>2</sup>   |
| AS P6   | Development of a Process Oriented Guided Inquiry Learning (POGIL) Method for the Teaching of Pharmaceutics in a Novel Integrated Pharmacy Curriculum                                 | Zebunnissa Ramtoola <sup>1</sup> , Martina Crehan <sup>2</sup> , Teresa Pawlikowska <sup>2</sup>  |
| AS P7   | A BEME Review of the Psychometric and Edumetric Properties of Assessment Instruments for the Medical Consultation for Undergraduates   | Teresa Pawlikowska <sup>1</sup> , Angelique Timmerman <sup>4</sup> , Katrien Bombeke <sup>3</sup> , Paul Van Royen <sup>3</sup> , Paul de Cates <sup>2</sup> , Michael Davies <sup>5</sup> , Samantha Johnson <sup>2</sup> , Kathleen Van Royen <sup>3</sup> , Frank Doyle <sup>1</sup> , Jane Burns <sup>1</sup> , Paul Ram <sup>4</sup>   |
| AS P8   | Virtual Patient Simulations do improve knowledge of communication skills for early medical students  | Catherine Bruen <sup>1</sup> , Clarence Kreiter <sup>2</sup> , Vincent Wade <sup>3</sup> & Teresa Pawlikowska <sup>1</sup> .  |
| AS P9   | A cross sectional study of students attitudes to professionalism in a healthcare professions institution.  | Marié T. O'Shea <sup>1</sup> , Aisling Kerr <sup>1,2</sup> , Judith Strawbridge <sup>2</sup> , Fiona Boland <sup>3</sup> , Teresa Pawlikowska <sup>1</sup>  |
| AS P10  | The Strategic Implementation and Augmentation of Technology Enhanced Learning (TEL) in Third Level Education: A Critical Lens.   | Laura Widger <sup>1</sup> , Margaret Denny <sup>1</sup> , Meg Benke <sup>2</sup> , Madja Pajnikihar <sup>3</sup> , Catherine Madden <sup>1</sup> & Catherine Bruen <sup>4</sup>   |
| AS P11  | The National Alpha-1 Antitrypsin Deficiency Targeted Detection Programme   | Tomás P. Carroll <sup>1</sup> , Laura T. Fee <sup>1</sup> , Catherine O'Connor <sup>1</sup> , Margaret Molloy <sup>1</sup> , Emma Pentony <sup>2</sup> , Ilaria Ferrarotti <sup>3</sup> , Maurizio Luisetti <sup>3</sup> , William Tormey <sup>2</sup> , and Noel G. McElvaney <sup>1</sup> .   |
| AS P12  | Where next for Open Educational Resources in higher education in Ireland?  | Angelica Riskey <sup>1</sup> , Claire McAvinia <sup>2</sup> , Yvonne Desmond <sup>2</sup> , Catherine Bruen <sup>3</sup> , Sharon Flynn <sup>4</sup> , Pauline Rooney <sup>2</sup> , Deirdre Ryan <sup>5</sup> , Anne O'Keeffe <sup>1</sup>   |
| AS P15  | Evaluating machine learning models to predict the polarity of student feedback comments.   | Richard Arnett <sup>1</sup> , Catriona Keane <sup>1</sup> , Joanna Zawadzka <sup>1</sup>  |
| AS P19  | Detecting signals within the noise - methodologies for finding meaning in large data sets. Case Study: 150 years of RCSI PubMed publications   | Richard Arnett  |
| AS P28  | Screening for Group B Streptococcus at Labour Onset: The effectiveness of Polymerase chain reaction (PCR) analysis in comparison to microbial culture - A Pilot Study                | McDermott R <sup>1,3</sup> , Babu S <sup>1,3</sup> , Farooq I <sup>1,3</sup> , Le Blanc D <sup>1,3</sup> , Eogan M <sup>1,3</sup> , Drew RJ <sup>1,2,3</sup> .  |
| <b>Post-Graduate Scholars (PG): 1st Year Only</b> |  |   |
| PG1 P7  | Increased Rac2 activation leads to BPI autoantibodies in individuals with cystic fibrosis.   | Fatma S. Gargoum <sup>1</sup> , Sarah A. Landers <sup>1</sup> , Michelle M. White <sup>1</sup> , Niall R. Browne <sup>1</sup> , Pdraig E. Hawkins <sup>1</sup> , Emer P. Reeves <sup>1</sup> , Noel G McElvaney <sup>1</sup>  |
| <b>Post-Graduate Scholars (PG): 2nd Year +</b>    |  |   |
| PG2+ P25  | Pressure ulcer risk assessment: risk factors and risk screening in older persons - a pilot study   | Aglecia M. V. Budri <sup>1</sup> , Zena Moore <sup>2</sup> , Declan Patton <sup>2</sup> , Tom O'Connor <sup>2</sup> .   |
| <b>Undergraduate Research</b>                     |  |   |

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| UG P42  | How does culture impact trust in the patient-doctor relationship?  | Malak Al Qubaisi <sup>1</sup> , Marie O'Shea <sup>1</sup> , Ludmila Marcinowicz <sup>2</sup> , Jane Uygur <sup>3</sup> , Lorna Flannery <sup>4</sup> , Teresa Pawlikowska <sup>1</sup> . |
| UG P58  | A Systematic Review of the Measurement Properties of Tests of Postural Control in Knee Osteoarthritis (OA) | Venencie Anne <sup>1</sup> , Dara Meldrum <sup>1</sup> , Charlotte Hager <sup>2</sup> , Ryan Fagan <sup>3</sup> , Helen P. French <sup>1</sup> .   |
| UG P101 | Novel Ruthenium Complexes of Iron Chelators as Potential Antibacterial Agents                              | Oloruntunmike O. Adetona <sup>1</sup> , Donal M. Keogan <sup>1</sup> , Darren M. Griffith <sup>1</sup>   |