

Academic Staff

Number	Title	Author
Poster Presentations:		
AS P1	The National Alpha-1 Antitrypsin Deficiency Targeted Detection Programme	Laura T. Fee ^{1,4} , Tomás P. Carroll ^{1,4} , Margaret Molloy ¹ , Geraldine Kelly ¹ , Emma Pentony ² , Anna Gardiner ² , Ilaria Ferrarotti ³ , William Torney ² , and Gerry McElvaney ⁴ .
AS P2	<i>In Vivo</i> Taste Assessment of Four Commonly Used Anti-Tuberculosis Drugs for Paediatric Formulation Development	Alison Keating ^{1,2} , Jessica Soto ^{1,3} , Yucheng Sheng ¹ , Claire Forbes ⁴ , Min Zhao ¹ , Duncan Q.M. Craig ¹ , Catherine Tuleu ¹
AS P3	A Comparative Study of Quantitative Sensory Testing Profiles in Adults with Acute or Sub-acute Cervical Radiculopathy and Pain-Free Controls	Niamh Roche ¹ , Louise Keating ¹ , and Catherine Doody ²
AS P4	An exploration of how a simulated adherence exercise may increase empathy in undergraduate pharmacy students	John C. Hayden ¹ , Sam Maher ¹ , Paul J. Gallagher ¹ , Annie Ó Breacháin ² , Patricia Cummins ³ , Michelle Flood ¹
AS P5	Does the shoe really fit? Characterising ill-fitting footwear among community dwelling elderly.	Brian O'Rourke ¹ , Rachael Brophy ¹ , Shanice Vallely ¹ , Niamh Murphy ² , Bronagh Conroy ² , Conor Stout ² , Conal Cunningham ³ , Mary E. Walsh ¹ , Frances Horgan ¹
AS P6	Emergent Motor Speed Deficits in Young Adults with Psychotic Experiences: A Longitudinal Study.	Eleanor Carey ¹ , Diane Gillan ² , Niamh Dooley ¹ , Colm Healy ¹ , Ian Kelleher ¹ , Mary Cannon ^{1,2} .
AS P7	Identifying factors influencing Patient Experience Time (PET) targets in the ED using Regression analysis.	Fareeda Borhan ¹ , Nafisah Borhan ¹ , Sarfraz Ahmed ¹ , Ligimol Varghese ¹ , Emily O'Conor ¹ .
AS P8	Incorporation of cell-penetrating peptide gene delivery vector into collagen hydroxyapatite scaffold significantly accelerates bone healing in critical-sized defects.	Rosanne M. Raftery ^{1, 2} , David P. Walsh ¹⁻³ , Gang Chen ⁴ , Kevin M. Shakesheff ⁵ , James E. Dixon ⁵ and Fergal J. O'Brien ^{1, 2} .
AS P9	Modelling Alpha-1 Antitrypsin Deficiency Lung Disease Using Alveolar Epithelial Cells Derived from Gene-Edited iPSC	Killian Hurley ¹ , Anjali Jacob ² , Joseph Kaserman ² , Dylan C Thomas ² , Finn Hawkins ² , Andrew Wilson ² , Darrell Kotton ² .
AS P10	PiSCES: Understanding what People with Epilepsy and their Care-Partners value about an Electronic Patient Portal.	Kevin Power ¹ , Katherine Benson ¹ , Nicholas Allen ³ , Gianpiero Cavalleri ¹ , Elizabeth Comerford ^{1,4} , Brendan Dunleavy ¹¹ , Richard Corbridge ⁴ , Danny Costello ⁶ , Norman Delanty ^{1,5} , Colin Doherty ⁷ , Mary Fitzsimons ⁴ , John Lynch ⁹ , Maire White ^{1,4,5} , David Webb ¹⁰ .
AS P11	The Bactericidal Permeability Increasing Protein is unable to clear Pseudomonas Aeruginosa Infection from the Cystic Fibrosis Lung due to complexation with Autoantibodies.	Karen V McQuillan ¹ , Fatima S Gargoum ¹ , Oliver J McElvaney ¹ , Noel G McElvaney ¹ , Emer P Reeves ¹
AS P12	The Pathway to Hearing Voices: Arcuate Fasciculus Diffusivity & Psychotic Experiences in Adolescence.	Niamh Dooley ^{1,2} , Erik O'Hanlon ^{1,2} , Conor McCandless ¹ , David Coppinger ¹ , Amy Adair ^{1,2} , Colm Healy ¹ , Ian Kelleher ¹ , Sarah Roddy ¹ , Michelle Harley ¹ , Mary Clarke ¹ , Helen Coughlan ¹ , Mary Cannon ¹ .
AS P13	The WATERSPOUTT Project: Solar technologies for water treatment in Sub-Saharan Africa.	Kevin McGuigan
AS P14	Using the Inhaler Compliance Assessment (INCA™) device to provide individualised inhaler education is more effective than standard inhaler education: a case study.	Joanne Walsh ¹ , Lorna Lombard ¹ , Matshediso Constantia Mokoka ¹ , Elaine Mac Hale ¹ , Chloe Carpenter ¹ , Breda Cushen ¹ and Richard W. Costello ¹
AS P15	What web sites are shared via twitter in the conversation about the Human Papillomavirus Virus (HPV) and the HPV vaccine?	Aoife Delany ¹ , Eric Clarke ² , Richard Arnett ³
AS P16	3D printing of non-assembled ball-and-socket joints as single objects for postured models	Andy K. Ma ¹ , Maram Al-Aghbari ¹ , Noor Kazrooni ¹ .

Early Career Investigator (ECI)

Number	Title	Author
Oral Presentations:		
ECI O1	Biopolymer-based nanoparticles for cystic fibrosis lung gene therapy studies	Elena Fernández Fernández ¹ , Beatriz Santos-Carballal ² , Chiara de Santi ¹ , Joanne M. Ramsey ³ , Ronan MacLoughlin ^{3,4,5} , Sally-Ann Cryan ³ , Catherine Greene ¹
ECI O2	Locked Nucleic Acid Antagomirs as disease-modifying treatment for epilepsy	Cristina R. Reschke ¹ , Luiz Fernando Almeida Silva ¹ , Amaya Sanz-Rodríguez ¹ , Massimo Rosso ¹ , Vamshidhar R. Vangoor ² , Gary P. Brennan ¹ , Aasia Batool ¹ , Matthew Campbell ³ , Jeroen Pasterkamp ² , David C. Henshall ¹
ECI O3	PDGF-BB stabilises vessels in collagen-glycosaminoglycan scaffolds	Ronaldo J.F.C. do Amaral ^{1,2} , Brenton Cavanagh ³ , Fergal J. O'Brien ^{1,4,5} , Cathal J. Kearney ^{1,4,5}
ECI O4	The role of FKBPL in LPS induced endothelial barrier dysfunction	Stephanie Annett ¹ , Shaun Spence ² , Adrien. Kissenpfennig ² , Tracy Robson ¹
ECI O5	Those mitochondria have got rhythms! Mitochondrial activity and antigen processing in dendritic cells is dependent on the molecular clock protein BMAL1	Mariana Patricia Cervantes-Silva ^{1,2,3} , James O Early ² , George A Timmons ¹ , Luke O'Neill ² , *Francisco Javier Sánchez-García ³ , *Annie Curtis ¹
ECI O6	TRAIL promotes entosis through Caspase-8	Emir Bozkurt, Heiko Dussmann, Jochen H. M. Prehn
Poster Presentations:		
ECI P1	Abstract Withheld	Tania Kawasaki de Araujo ¹ , Nisha Ganghadaran ¹ , Michael Farrell ² , Colin Doherty ^{3,4} , Mark McCormack ⁵ , Gianpiero L. Cavalleri ^{1,4} , Norman Delanty ^{1,2,4}
ECI P2	Bromodomain Protein 3 is a Novel Therapeutic Target in Invasive Lobular Carcinoma	Kathryn Haley ¹ , Louise Walsh ² , Bruce Moran ³ , Sudipto Das ² , Finbar Tarrant ³ , Carlos Caldas ⁴ , Rene Bernards ⁵ , William Gallagher ³ , Darran O'Connor ^{2*} , Triona Ní Chonghaile ^{1*}
ECI P3	A comparison of methodological approaches on the association between de novo vitamin D supplement use post-diagnosis and breast cancer mortality	Jamie Madden ¹ , Lina Zgaga ² , Finbarr Leacy ³ and Kathleen Bennett ¹
ECI P4	Acute Care utilisation patterns post-stroke: An analysis from Ireland	Nora-Ann Donnelly ¹ , Niamh A Merriman ² , Eithne Sexton ² , Kathleen Bennett ² , Anne Hickey ² and Maev-Ann Wren ¹
ECI P5	An antibiotic-eluting scaffold with responsive dual-release kinetics for the treatment of osteomyelitis	Eamon J. Sheehy ^{1,2,3} , Amro Widaa ^{1,2} , Peter O' Donnell ^{1,2} , Emily Ryan ^{1,2} , Alan Ryan ^{1,2,3} , Gang Chen ⁴ , Robert Brady ¹ , Steven Kerrigan ¹ , Fergal J. O' Brien ^{1,2,3} .
ECI P6	Abstract Withheld	Aoife Kearney ^{1,2} , Anna Shore ¹ , Peter Kinnevey ¹ , Megan Earls ¹ , Toney Thomas Poovelikunnel ^{2,4} , Gráinne Brennan ³ , Hilary Humphreys ^{2,4} , David Coleman ¹
ECI P7	Arginase-2 is essential for mitochondria-associated functions in M2-polarised macrophages	Jennifer K. Dowling ^{1,2} , Jonathan Ferrand ¹ , Fiddiny Hamid ¹ , Daniel Gough ¹ and Claire McCoy ^{1,2}
ECI P8	Bioenergetic characterization of colorectal cells harbouring TP53 and KRAS mutations	Irene Llorente-Folch ¹ , Manuela Salvucci ¹ ; Robert O'Byrne ¹ ; Natalia Niewidok ¹ ; James Kealey ¹ ; Steven Carberry ¹ ; Séan Kilbride ¹ ; Caoimhín G. Concannon ¹ ; Heiko Dussmann ¹ ; Heinrich J. Huber ^{1,2} ; Jochen H. M. Prehn ^{1*}
ECI P9	Abstract Withheld	Edward Beamer ¹ , Hany El-Naggar ² , Mariana Alves ¹ , Nicholas Dale ³ , Eva Jimenez-Mateos ¹ , Sean Quinlan ¹ , Geraldine Boylan ⁴ , Aisling Garvey ⁴ , Andrea Mona Pava ⁴ , Norman Delanty ² , Mary Isobel O'Dea ⁵ , Eleanor Molloy ⁵ , David Henshall ¹ , Tobias Engel ¹
ECI P10	Abstract Withheld	Mattia Cremona ¹ , Angela M. Farrelly ¹ , Stephen F. Madden ² , Clare Morgan ¹ , Roshni Kalachand ¹ , Britta Stordal ³ , Jessica N. McAlpine ⁴ , Sinead Toomey ¹ , Alex J. Eustace ¹ , David G. Huntsman ⁵ , Liam Grogan ⁶ , Oscar Breathnach ⁶ , Patrick Morris ⁶ , Mark S. Carey ⁴ , Brian T. Hennessy ¹

Number	Title	Author
ECI P11	CHARACTERISATION OF ER-STRESS RESPONSES TO NUTRIENT DEPRIVATION IN A 3-D MODEL OF COLORECTAL CANCER	Franziska Walter, Aisling O'Brien, Heiko Düssmann, Jochen HM Prehn
ECI P12	Characterisation of the role of exosomes as inflammatory mediators in Cystic Fibrosis	Mark P. Ward ^{1,2*} , Zivile Useckaite ^{1,2*} , Rebecca Reilly ² , Hilary Cassidy ³ , Eugene Dempsey ³ , Seamus Donnelly ⁵ , Jennifer Lynch ² , David Gomez ³ , Kieran Wynne ³ , Suzanne Cotter ⁴ , Amanda McCann ³ , Paul McNally ^{1,2} and Judith A. Coppinger ^{1,2}
ECI P13	Childhood psychotic experiences are associated with persistently poorer global functioning throughout adolescence and into young adulthood: 9 year follow up study.	Dónal Campbell ¹ , Colm Healy ¹ and Mary Cannon ² .
ECI P14	Colonic bile acids regulate epithelial wound healing	Natalia K. Lajczak ¹ , Magdalena S. Mroz ¹ , Bridie Goggins ² , Simon Keely ² , Stephen J. Keely ¹
ECI P15	Development of A Novel Gene Therapeutic Platform By Functionalisation of Collagen/GAG Scaffolds with RALA-siMMP-9 Complexes for Advanced Diabetic Foot Ulcer Healing	Leping Yan ¹⁻³ , Irene Mencia Castano ¹⁻³ , Nicholas J. Dunne ⁴ , Helen O. McCarthy ⁵ , Rosanne Raftery ¹⁻³ , Fergal J. O'Brien ¹⁻³
ECI P16	Development of computational tools to aid the clinical translation of network-based apoptotic signatures in colorectal cancer	Manuela Salvucci ¹ , A Rahman ² , A Resler ¹ , G Mallya Udupi ² , D McNamara ³ , E Kay ^{1,4} , P Laurent-Puig ⁵ , D Longley ⁶ , M Lawler ⁶ , R Wilson ⁶ , M Salto-Tellez ⁶ , S Van Schaebroeck ⁶ , M Rafferty ² , W Gallagher ² , M Rehm ¹ , Jochen Prehn ¹
ECI P17	Discovery of a novel histone deacetylase 6 inhibitor that kills drug-resistant breast cancer	Catriona M. Dowling ¹ , Micheal Hemann ² , James Bradner ³ , Anthony Letai ⁴ , Triona Ni Chonghaile ¹
ECI P18	Enhanced RHBDL2 proteolysis of the thrombomodulin Cys519Stop variant is required for thrombomodulin-associated coagulopathy	Erin Soule ^{1,2} , Louise Quinn ³ , Orla Willis Fox ^{1,2} , Roger J.S. Preston ^{1,2}
ECI P19	Evaluating the economic impact of potentially inappropriate prescribing in older people in Ireland using a Markov modelling approach	Frank Moriarty ¹ , Kathleen Bennett ² , Caitriona Cahir ² and Tom Fahey ¹ .
ECI P20	Expression of the Cocaine- and Amphetamine-Regulated Transcript (CART) recruits BAF-chromatin remodelling complexes to the Estrogen Receptor	Brian Mooney ¹ , Sudipto Das ¹ , Rut Klinger ² , Bruce Moran ² , Eric Conway ³ , Ben Doyle ² , Kieran Wynne ² , William M. Gallagher ² , Triona Ni Chonghaile ⁴ , Gerard Cagney ² , Adrian P. Bracken ³ , Darran O'Connor ¹
ECI P21	FKBPL as a Biomarker of High Grade Serous Ovarian Cancer	Gillian Moore ¹ , Stephanie Annett ¹ , Khalid Kurdi ¹ , Sharon O'Toole ² , Fiona Furlong ³ , Stephen McQuaid ⁴ , Glenn McCluggage ⁵ , Andrea Marshall ⁶ , Aaron Cranston ⁷ , Tim Harrison ⁷ , Graham Cotton ⁷ , Tracy Robson ¹
ECI P22	Gender-related differences in expression of microRNAs in cystic fibrosis	Arlene Glasgow, Chiara De Santi, Catherine Greene
ECI P23	Inhibition of CFTR-specific miRNAs in CF bronchial epithelial cells	Chiara De Santi ¹ , Elena Fernandez Fernandez ¹ , Catherine M. Greene ¹
ECI P24	Inhibition of integrin alphaVbeta3 prevents endothelial injury induced by neutrophil extracellular traps in a 3D ex vivo model of sepsis	Carolina Garciaarena ¹ , Andrew Wong ² , Peter Searson ² , Steve Kerrigan ¹ .
ECI P25	Junctional Adhesion Molecule-A (JAM-A) as a novel future drug target in ductal carcinoma <i>in situ</i> (DCIS)	Yvonne E Smith ¹ , Kieran Brennan ¹ , Lance Hudson ¹ , Astrid O Leech ¹ , Sinéad Cochiglia ² and Ann M Hopkins ¹
ECI P26	Management of Temporal Bone Malignancy	Robbie Woods ¹ , Anel Naude ¹ , Barry O'Sullivan ² , Daniel Rawluk ³ , Mohsen Javadpour ³ , Peter Walshe ¹ , Peter D. Lacy ¹ , James Paul O'Neill ¹ , Rory McConn-Walsh ¹
ECI P27	Molecular subtype-specific responses to treatment with the IAP antagonist Birinapant in colorectal cancer cells	Michael Fichtner ¹ , Anna Matveeva ^{1,2} , Emir Bozkurt ¹ , Katherine McAllister ³ , Christopher McCann ³ , Daniel Longley ³ , Jochen Prehn ^{1,2}
ECI P28	Neutrophils from Alpha One deficient individuals have increased cell adhesion which is corrected by Augmentation therapy.	Michelle M. White ¹ , Bakr Jundi ¹ , Noel G. McElvaney ¹ , Emer P. Reeves ¹
ECI P29	PERSPECTIVES OF HEALTHCARE PROFESSIONALS INVOLVED IN PROVIDING STROKE CARE ON IMPACT OF POST-STROKE COGNITIVE IMPAIRMENT	Niamh A. Merriman ¹ , Eithne Sexton ¹ , Nora-Ann Donnelly ² , Niall Pender ³ , Frances Horgan ⁴ , David Williams ^{3,5} , Maev-Ann Wren ² , Kathleen E. Bennett ¹ , Anne Hickey ¹

Number	Title	Author
ECI P30	POST-STROKE COGNITIVE IMPAIRMENT: A SYSTEMATIC REVIEW OF DISEASE PROGRESSION MODELS	Eithne Sexton ¹ , Nora Donnelly ² , Niamh Merriman ¹ , Anne Hickey ¹ , Maev-Ann Wren ² and Kathleen Bennett ¹
ECI P31	Processing Speed Performance and Functioning in Young Adolescents Experiencing Auditory Hallucinations	Joanne P.M. Kenney ¹ , Ian Kelleher ¹ , Colm Healy ¹ , Niamh Dooley ¹ , Eleanor Carey ¹ , Amy Adair ¹ , Donal Campbell ¹ , Helen Coughlan ¹ , Erik O' Hanlon ¹ , Mary Cannon ¹
ECI P32	Abstract Withheld	Ahmed Hassanin ¹ , Raef Saad ² , Sayed Aly ³
ECI P33	Sexually transmitted infection (STI) and HIV behavioural surveillance in Ireland: future-proofing public health prevention efforts though consensus-building.	Sarah Tecklenborg ¹ , Caroline Kelleher ¹
ECI P34	Spray-Dried Alginate Microparticles Encapsulating Berberine Chloride as a Potential Means of Treating Lung Fibrosis	Cheng Xu ^{1, 2} , Fergal O'Brien ^{2, 3, 4} Alan Hibbitts ^{2, 3, 4}
ECI P35	Stochastic Modelling of RIPoptosome Function	Anna Matveeva ^{1,2} , Michael Fichtner ^{1,2} , Katherine McAllister ³ , Christopher McCann ³ , Markus Rehm ^{1,2,4} , Daniel B. Longley ³ , Jochen H.M. Prehn ^{1,2} .
ECI P36	Supporting prescribing in Irish primary care: a non-randomised pilot study of a General Practice Pharmacist (GPP) intervention to optimise prescribing in primary care	Karen Cardwell ¹ , Barbara Clyne ¹ , Frank Moriarty ¹ , Emma Wallace ¹ , Tom Fahey ¹ , Fiona Boland ¹ , Laura McCullagh ² , Sarah Clarke ³ , Karen Finnegan ³ , Maria Daly ³ , Michael Barry ^{2,3} , Susan Smith ¹ on behalf of the General Practice Pharmacist (GPP) Study Group.
ECI P37	Targeting the PI3K pathway in HER2-positive gastric cancer	Angela M. Farrelly ¹ , M. Janusz Mezynski ¹ , Paul Armstrong ¹ , Jennifer McAuley ¹ , Ciara Holohan ² , Niamh M. Keegan ¹ , Yasir Elamin ¹ , Shereen Raffee ² , Bryan T. Hennessy ¹ , Sinead Toomey ¹
ECI P38	The effects of antiepileptic drugs on miRNA expression in the intra-amygdala kainic acid model of epilepsy	Thomas D. M. Hill ¹ , Gary P. Brennan ¹ , Cristina R. Reschke ¹ , David C. Henshall ¹
ECI P39	The effects of local energetic stress on mitochondrial mobility in primary cortical axons.	Orla Watters ¹ , Niamh M. C. Connolly ^{1,2} , Hans-Georg König ^{1,2} , Heiko Düssmann ^{1,2} and Jochen H. M. Prehn ^{1,2} .
ECI P40	The loss of SATB2 promotes ulcerative colitis-related colon cancer progression through altered localized inflammatory response	Sudipto Das ^{1,2*} , Kirsha Naicker ^{1*} , Rut Klinger ¹ , Elton Rexhepaj ³ Yue Fan ¹ , Rory Casey ⁴ , Fredrick Ponten ³ , Karen Jirstrom ⁵ , Jacintha O' Sullivan ⁴ , William M Gallagher ² , Donal J Brennan ^{6§} , Darran P O'Connor ^{1,2§}
ECI P41	The relationship between first year post-stroke healthcare costs and fall-status among those discharged to the community	Mary E Walsh ^{1,2} , Jan Sorensen ³ , Rose Galvin ⁴ , David JP Williams ⁵ , Joseph A Harbison ⁶ , Sean Murphy ⁷ , Ronan Collins ⁸ , Dominick JH McCabe ⁸ , Morgan Crowe ⁹ and Frances Horgan ² .
ECI P42	Tissue-engineered 3D model of neuroblastoma exhibits chemosensitivity similar to orthotopic xenograft models	Olga Piskareva ^{1,2} , Caroline Curtin ³ , John C. Nolan ^{1,2} , Ross Conlon ¹ , Larissa Deneweth ¹ , Ciara Gallagher ¹ , Brenton Cavanagh ⁴ , Zaki Asraf ¹ , Harry Harvey ¹ , Suzane Miller-Delaney ¹ , Jason Shohet ⁵ , Isabella Bray ¹ , Fergal J. O'Brien ³ , Raymon L. Stallings ^{1,2} ,
ECI P43	Tumour dormancy in breast cancer cells: identification of Junctional Adhesion Molecule-A as a novel regulator	Sri HariKrishna Vellanki ¹ , Katherine Sheehan ² , Elaine Kay ² and Ann M. Hopkins ¹ .
ECI P44	Utilising digital pathology to understand breast epithelial characteristics of benign breast disease among women undergoing diagnostic image-guided breast biopsy	Maeve Mulooly ^{1,2} , Samantha Puvanesarajah ³ , Shaoqi Fan ² , Ruth Pfeiffer ² , Linnea Olsson ³ , Manila Hada ² , Donald Weaver ⁴ , John Shepherd ⁵ , Jeff Wang ⁶ , Stephen Hewitt ² , Sally Herschorn ⁴ , Mark E. Sherman ⁷ , Melissa A. Troester ³ , Gretchen L. Gierach ²

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

Number	Title	Author
Oral Presentations:		
PG1 O1	Identifying new drug targets to treat breast cancer brain metastasis	Siobhan Purcell ¹ , Damir Varešlija ¹ , Nolan Priedigkeit ³ , Philip J O'Halloran ³ , Michael Farrell ³ , Arnold DK Hill ² , Steffi Oesterreich, A ³ , Adrian V. Lee ³ and Leonie S. Young ¹ .
Poster Presentations:		
PG1 P1	A bioreactor for conditioning tissue engineered heart valves	Francisco Almeida-Gonzalez ^{1, 2} , Fergal J. O'Brien ^{2, 3} , Claire M. Brougham ^{1,2}
PG1 P2	A pharmacogenomic assessment of adverse drug reactions to the anti-epileptic drug levetiracetam.	Ciaran Campbell ^{1,2} , Mark McCormack ¹ , Caragh Stapleton ¹ , the EpiPGX Consortium, Colin P. Doherty ^{2,3} , Norman Delanty ^{2,4} , Gianpiero L. Cavalleri ^{1,2}
PG1 P3	An analysis of the relative contribution of different mutational processes to tumorigenesis based on the mutational signatures apparent in cancer tumor genomes	Peter O'Donovan ¹ , Valentina Thomas ¹ , Simon Furney ¹
PG1 P4	Cognitive Effects of Stimulation Pulse Rate in Older Cochlear Implant Users	Cecilia Di Nardi ^{1,2} , Cristina Simoes-Franklin ² , Laura Viani ^{2,3}
PG1 P5	COMPATIBILITY OF SILDENAFIL CITRATE WITH PAEDIATRIC ICU DRUGS DURING SIMULATED Y-SITE ADMINISTRATION	Fatemah Alsaman ¹ , Moninne M.Howlett ² , Cormac V.Breatnach ² , Helena Kelly ¹ , Fiona O'Brien ¹
PG1 P6	Cost of tertiary care in Irish children who are obese	Louise Tully ¹ , Jan Sorensen ² , Grace O'Malley ^{1,3}
PG1 P7	Decoding exosomal proteome in drug-resistant neuroblastoma	Thomas Frawley ^{1,2} , John C. Nolan ^{1,2} , Paula Meleady ³ , Michael Henry ³ , Raymond L. Stallings ^{1,2} , Marco Monopoli ⁴ , Olga Piskareva ^{1,2}
PG1 P8	Defining the molecular requirements for extracellular histone proteolysis by vitamin K-dependent coagulation proteases	Aisling M Rehill ^{1,2,3} , Mark Little ³ , Roger J.S. Preston ^{1,2}
PG1 P9	Determining the Impact of Salbutamol Metered Dose Inhaler Errors on Drug Delivery	Aoife Sartini-Bhreathnach ¹ , Maeve Cahill ² , Jansen Seheult ³ , Breda Cushen ² , Elaine MacHale ² and Richard Costello ²
PG1 P10	Development and optimization of murine chondrocyte isolation protocol, for studies of bone-cartilage crosstalk	Paige Hinton ¹ , Cathy Wyse ² , Claire Shortt ³ , Oran Kennedy ¹
PG1 P11	DEVELOPMENT OF A POLYMERIC NANOPARTICLE FORMULATION TO ENABLE DELIVERY OF HYDROPHILIC DRUGS (VANCOMYCIN HCL) TO THE VASCULAR ENDOTHELIUM- A POTENTIAL NEW APPROACH FOR TREATMENT OF RECURRENT INFECTION	Fajer Yousef ^{1,2} , Steve W. Kerrigan ^{1,2,3} , Ben Ryan ^{1,2} .
PG1 P12	Development of advanced scaffold-based delivery systems for RNA therapeutics to promote enhanced tissue repair	Domhnall Kelly ¹ , Rosanne M. Raftery ¹ , Caroline M. Curtin ¹ , Caitriona M. O'Driscoll ⁴ , Fergal J. O'Brien ^{1,2,3}
PG1 P13	Evaluating the potential of a thermoresponsive hydrogel as a drug delivery platform for the loco-regional delivery of chemotherapeutics in pancreatic tumours.	Niall G. Cronin ^{1,2} , Seóna M. Rossi ^{1,2} , Kevin C. Behan ^{1,2} , Helena M. Kelly ^{1,2}
PG1 P14	Evaluation of the effect of insulin sensitivity-enhancing lifestyle- and dietary-related adjuncts on antidepressant treatment response: Protocol for a systematic review and meta-analysis.	Olaitan J. Jeremiah ¹ , Gráinne Cousins ¹ , Finbarr P. Leacy ² , Brian P. Kirby ¹ and Benedict K. Ryan ¹
PG1 P15	Examining the relationship between pH and Wound Healing	¹ Rosemarie Derwin, ¹ Zena Moore and ¹ Dr. Declan Patton.
PG1 P16	Factors associated with failure to attend for outpatient endoscopy: A single centre retrospective audit	Sinead Cremen, Enda Hannan and Muiyiwa Aremu.
PG1 P17	Foreign Object Retention – Reduction and Mitigation	Katie O'Byrne ¹ , Samuel Cromie ² , Dubhfeasa Slattery ³ , Siobhan Corrigan ⁴ , Alison Kay ⁵ .
PG1 P18	How does the polyamine pathway contribute to the metabolic reprogramming in macrophages?	Remsha Afzal ¹ , Claire McCoy ¹
PG1 P19	KRAS, BRAF, MSI and CIMP Status in Mucinous Tumours of the Colon and Rectum: A Systematic Review and Meta-Analysis	Ian S. Reynolds ^{1, 2} , Ameera Balhareth ¹ , Simon Furney ² , Elaine Kay ^{3, 4} , D.A McNamara ¹ , Jochen H.M Prehn ² , John P. Burke ¹ .

Number	Title	Author
PG1 P20	MSC-Monocyte Interactions in Sepsis	Aoife Keogh ¹ , Grace Hogan ¹ , Allen Volchuk ² , Mirjana Jerkic ² , Razieh Rabani ² , Stephane Gagnon ² , Gerard Curley ^{1,2}
PG1 P21	Neutrophil Membrane Proteomics in Alpha-1 Antitrypsin Deficiency	Tom McEnergy ¹ , Orla Coleman ² , Padraig Hawkins ¹ , Michelle White ¹ , Paula Meleady ² , Emer P. Reeves ¹ , Noel G. McElvaney ¹
PG1 P22	On-demand delivery of nucleic acid therapeutics for temporally controlled treatment of diabetic foot ulcers	Catherine Sirafim ^{1,2,3} , Tauseef Ahmad ¹ , Rosanne Raftery ² , Fionnuala O'Gorman ^{1,2} , Caroline Curtin ² , Fergal O'Brien ² , Niamh Connolly ³ , Cathal Kearney ^{1,2}
PG1 P23	Platinum-Based Anticancer Compounds Targeting Bulk Tumour and Cancer Stem Cells	¹ Aisling Ryan, ¹ Aoife McKeon and ¹ Darren Griffith.
PG1 P24	Psychotic experiences and risk of suicide ideation, suicide attempts and suicide deaths: a systematic review and meta-analysis of longitudinal population studies	Kathryn Yates ¹ , Ulla Pulkkinen ¹ and Ian Kelleher ¹
PG1 P25	Quality improvement plan to reduce patient waiting times in a private emergency department.	Ciara Melia ¹ and Pauline Joyce ¹
PG1 P26	Rational Design and Development of Novel Metal – Based Chemotherapeutic Agents as a Treatment for Estrogen-Positive Breast Cancer	Muhammad Haris ^{1, 2} Andrew Kellet, ¹ Celine J. Marmion
PG1 P27	Sleep Disturbance in End-stage Renal Disease	Claire Kennedy ^{1,2} , Thomas Kane ³ , Richard Costello ^{1,3} , Peter J Conlon ^{1,2}
PG1 P28	The association between psychotic experiences in childhood and mental disorder: a systematic review and meta-analysis.	Colm Healy ¹ , Ross Brannigan ¹ , Mary Clarke ¹ , Ian Kelleher ¹ and Mary Cannon ¹ .
PG1 P29	The development of a novel 3D bioprinted smart responsive dressing to treat skin scars.	Rita Ibanez ¹ , Alexandra P. Marques ² , Rui L. Reis ² , Fergal J. O'Brien ^{1,3,4}
PG1 P30	What is an Integrated Curriculum?	Aisling Kerr ¹ , Hannah O'Connor ¹ , Paul Gallagher ¹ , Teresa Pawlikowska ² , Judith Strawbridge ¹
PG1 P31	Whole genome sequencing analysis of synchronous colorectal cancers	Valentina Thomas ¹ , Elizabeth Ryan ² , Miriam Tosetto ² , Robert Geraghty ² , Yi Ling Khaw ² , Maura Cotter ² , Louise Elliott ² , Fiona Hand ² , Zaid Heetun ² , Kieran Sheahan ² , Simon J. Furney ¹

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

Number	Title	Author
Oral Presentations:		
PG2+ O1	<i>S. aureus</i> induced miR330-3p expression triggers abnormal permeability in an ex-vivo 2D model of sepsis.	Rebecca L. Watkin ^{1,2} , Olga Piskareva ^{2,3} , Sudipto Das ² , Stephen Madden ⁴ , Ray Stallings ³ , Steven W. Kerrigan ^{1,2}
PG2+ O2	Development of a gene-activated nerve guidance conduit for peripheral nerve repair	William Lackington ^{1,2} , Rosanne Raftery ^{1,2} and Fergal O'Brien ^{1,2}
PG2+ O3	Direct UV-triggered thiol-ene cross-linking of electrospun polyester fibers from unsaturated poly(macrolactone)s and their drug loading by solvent swelling.	Fernando C. S. de Oliveira ¹ , Sally Ann Cryan ¹ , Scott D. Kimmins ¹ , Tatiane Eufrazio da Silva ² , Cathal Kearney ² and Andreas Heise ¹
PG2+ O4	Evaluation of the Shanley Pressure Ulcer Prevention Programme, (SPUPP), for older persons at risk of pressure ulceration, living in the community setting	Emer Shanley ¹ , Professor Zena Moore ¹ and Dr Declan Patton ¹
PG2+ O5	Formulation of a functionalised biomaterial to support cell viability for the treatment of diabetes mellitus.	Liam McDonough ^{1,2} , Eimear B. Dolan ^{1,2} , Liam Burke ^{1,2} , Garry P. Duffy ^{2,3,4} , Helena Kelly ^{1,2}
PG2+ O6	The Impact of Dysregulated Complement Activation in Alpha-1 Antitrypsin Deficiency	Laura T. Fee ¹ , Michael E. O'Brien ² , Margaret Molloy ¹ , Tomás P. Carroll ¹ , Emer Reeves ² and Noel G. McElvaney ²
PG2+ O7	The Irish DNA Atlas: Revealing Fine-Scale Population Structure and History within Ireland.	Edmund Gilbert ¹ , Seamus O'Reilly ² , Michael Merrigan ² , Darren McGettigan ² , Anne M Molloy ³ , Lawrence C Brody ⁴ , Walter Bodmer ⁵ , Katarzyna Hutnik ⁵ , Sean Ennis ⁶ , Daniel J Lawson ⁷ , James F Wilson ⁸ , Gianpiero L Cavalleri ¹ .
PG2+ O8	The novel detection of the T790M mutation in exhaled breath condensate	Robert Smyth ¹ , Sinead Toomey ¹ , Alexander Sartori ² , Emer O' Hanrahan ³ , Sinead Cuffe ⁴ , Oscar Breathnach ⁵ , Ross Morgan ^{5*} and Bryan T Hennessy ^{1*}
PG2+ O9	Uncoupling Activated Protein C Functions by Inhibition of Post-Translational Beta-Hydroxylation	Orla Willis Fox ¹ , Eimear M. Gleeson ² , Roger J.S. Preston ^{1,2}
Poster Presentations:		
PG2+ P1	Ex-Vivo Colorectal Cancer Explant Cultures are sensitized to IAP Antagonist Birinapant Treatment when combined with 5FU-based Chemotherapy and TNF-alpha.	Mariangela Meyer ¹ , Joanna Fay ² , Rebecca Monaghan ¹ , Orna Bacon ¹ , Elaine W. Kay ² , Deborah A. McNamara ³ , Daniel B. Longley ⁴ , Markus Rehm ^{1,5} and Jochen H.M. Prehn ¹
PG2+ P2	Finding a novel treatment for neonatal brain injury: Could neuro-inflammation be a novel target for drug-therapy in neonates?	Sean Quinlan ¹ , David Henshall ¹ and Eva Jimenez ¹
PG2+ P3	A novel role for Junctional Adhesion Molecule-A (JAM-A) in HER2-positive gastro-oesophageal cancers	Cathy E. Richards ¹ , Yvonne E. Smith ¹ , Kathy Sheehan ² , Elaine W. Kay ² , Joanna Fay ² and Ann M. Hopkins ¹ .
PG2+ P4	A NOVEL ROLE FOR VON WILLEBRAND FACTOR IN MEDIATING PRO-INFLAMMATORY SIGNALLING IN MACROPHAGES	Clive Drakeford ^{1,2,3} , Sonia Aguila ^{2,3} , Alain Chan ^{2,3} , Jamie O'Sullivan ^{2,3} , Soracha Ward ^{1,2,3} , Michelle Lavin ^{2,3} and James O'Donnell ^{1,2,3} .
PG2+ P5	A Qualitative Process Evaluation of the Implementation of a Quit Smoking Programme in Adult Community Mental Health Day Services	Annette Burns ¹ , Margaret Webb ² , Greg Stynes ² , Tom O'Brien ² , Judith D Strawbridge ³ , Luke Clancy ⁴ and Frank Doyle ¹ .
PG2+ P6	Altered abundance of Hydrogen Voltage-gated Channel 1 (HVCN1) in neutrophils of alpha-one antitrypsin deficient patients.	Padraig Hawkins ¹ , Thomas McEneaney ¹ , Oliver J McElvaney ¹ , Alessandro Franciosi ¹ , Michelle M White ¹ , Emer P Reeves ¹ and Noel G McElvane ¹ .
PG2+ P7	Altered glycosylation of alpha-1 antitrypsin aids in resolution of community acquired pneumonia	Danielle Dunlea ¹ , Oliver McElvaney ¹ , Michelle White ¹ , Noreen Lacey ¹ , Emer Reeves ¹ and Prof. McElvaney ¹
PG2+ P8	An investigation into the association between exposure to pre-natal stress and risk of psychopathology in offspring.	Ross Brannigan ¹ , Antti Tanskanen ² , Matti Huttunen ² , Finbarr Leacy ⁴ , Mary Cannon ³ , Mary Clarke ³
PG2+ P9	Anticonvulsive effects of P2Y ₁ receptor antagonist in experimental models of epilepsy	Mariana Alves ¹ , David C. Henshall ^{1,2} and Tobias Engel ¹

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PG2+ P10	Associations between cognitive impairment, vulnerability and mortality post-stroke: Findings from a five-year follow-up of the ASPIRE-S cohort	Eva Gaynor ^{1*} , Daniela Rohde ^{2*} , Margaret Large ³ , Lisa Mellon ² , Patricia Hall ³ , Linda Brewer ⁴ , Orla Conway ² , Anne Hickey ² , Kathleen Bennett ² , Eamon Dolan ⁵ , Elizabeth Callaly ⁶ and David Williams ⁴ . *denotes joint first authorship
PG2+ P11	Design and Development of Novel Dual-Threat Metal Chemotherapeutics	Reece G. Kenny ¹ , Celine J. Marmion ¹
PG2+ P12	Determining how distinct microenvironments alter BCL-2 family dependence in T-cell acute lymphoblastic leukaemia	Alessandra Di Grande ¹ , Sofie Piers ³ , Jochen Prehn ¹ , Pieter Van Vlierberghe ² , Triona Ni Chonghaile ¹ .
PG2+ P13	Development of a Novel Cytoplasmic Trackable NIR Platinum-Fluorophore Conjugate	Eolann Kitteringham ¹ , Dan Wu ¹ , Brendan Twamley ² , Shane Cheung ¹ , Donal F. O'Shea ¹ , and Darren M. Griffith ¹
PG2+ P14	Development of an inhalable, RNAi-star polypeptide delivery system with therapeutic applications in cystic fibrosis	Rachel Gaul ^{1,2,3,4,6} , Robert Murphy ^{3,5} , Alice McCloskey ^{1,2,4} , Chiara De Santi ⁶ , Joanne M. Ramsey ^{1,2,3,4} , Andreas Heise ^{3,4,5} , Catherine M. Greene ⁶ , Sally-Ann Cryan ^{1,2,3,4}
PG2+ P15	Developmental expression of microRNA-134 and determination of chemoconvulsant parameters to model paediatric epilepsy in mice	Aoife Campbell ¹ , Amaya Sanz Rodriguez ¹ , Meghan Thorne Miller ² , Cristina R Reschke ¹ and David C Henshall ¹ .
PG2+ P16	Does cognitive impairment impact adherence? A systematic review and meta-analysis of the association between cognitive impairment and medication non-adherence in stroke	Daniela Rohde ¹ , Niamh A. Merriman ¹ , Frank Doyle ¹ , Kathleen Bennett ¹ , David Williams ² and Anne Hickey ¹ .
PG2+ P17	Exacerbated epileptic phenotype in miR-22 knockout mice	Luiz Fernando Almeida Silva ¹ , Cristina R. Reschke ¹ , Tobias Engel ¹ , David C. Henshall ¹
PG2+ P18	Exosomal microRNA as a novel mechanism of intercellular communication in Epilepsy	Aasia Batool ¹ , Thomas Hill ¹ , Mairead Diviney ¹ , Gary Brennan ¹ , Elena Langa ¹ , Amaya Sanz-Rodriguez ¹ , Brenton Cavanagh ¹ , Catherine Mooney ² , David Henshall ¹ .
PG2+ P19	Finding Alzheimer's Early: Blood-based MicroRNA biomarkers in Prodromal stages of Alzheimer's Disease.	Aidan Kenny ¹ , Miguel Medina ² , Miguel Calero ² , Eva Jimenez-Mateos ¹ and Tobias Engel ¹
PG2+ P20	Generation of brain cell type specific flag-tagged Ago2 transgenic lines to investigate cellular origin of miRNAs in experimental epilepsy	Elizabeth Brindley ¹ , Gary P Brennan ¹ , Mairead Diviney ¹ , Thomas Hill ¹ , Cristina Ruedell Reschke ¹ , Aasia Batool ¹ , Caroline Sheedy ¹ , Karen Conboy ¹ , David C Henshall ¹
PG2+ P21	Inhaled corticosteroid and Long Acting Beta-adrenoceptor Agonist therapy adherence reporting and monitoring in clinical trials of severe adult asthma drug treatments: a systematic review	Matshediso C. Mokoka ¹ , Melissa J. Mc Donnell ² , Sarah Cormican ² , Fiona Boland ³ , Frank Doyle ³ , Richard W. Costello ^{1,4}
PG2+ P23	Junctional Adhesion Molecule-A is a novel upstream regulator of Human Epidermal Growth Factor Receptor-3 signalling in breast cancer	Rodrigo GB Cruz ¹ , Stephen F Madden ² and Ann M Hopkins ¹
PG2+ P24	Life course transitions and changes in alcohol consumption among middle aged and older Irish adults: a prospective cohort study using the Irish Longitudinal Study on Ageing (TILDA)	Alice Holton ¹ , Paul Gallagher ¹ , Tom Fahey ² , Fiona Boland ² , Frank Moriarty ² and Gráinne Cousins ¹
PG2+ P25	Macrophage polarization and their cross-talk with Mesenchymal Stem Cells can be modulated by substrate stiffness	Rukmani Sridharan ^{1,2,3} , Brenton Cavanagh ⁴ , Andrew Cameron ^{1,2,3} , Daniel J. Kelly ^{1,2,3} , Fergal J. O'Brien ^{1,2,3}
PG2+ P26	Medication-related financial burden resulting from prescription co-payments in an older publically insured population and its impact on antihypertensive medication adherence	Paul Dillon ¹ , Susan Smith ² , Paul Gallagher ¹ , Gráinne Cousins ¹
PG2+ P27	Methodological Approaches for Assessing the Cost of Diabetic Foot Ulcers: A Systematic Literature Review	Maisoon Mairghani ¹ , Khalifa Elmushara ² , Declan Patton ¹ , Omer Eltahir ¹ , Ghufuran Jassim ³ , Zena Moore ¹ and Jan Sorensen ⁴ .
PG2+ P28	Mutations in ERBB3 and BARD1 result in a worse relapse free survival for HER2+ breast cancer patients treated with adjuvant Taxotere, Carboplatin and Herceptin (TCH)	Damien Cote ¹ ; Alex Eustace ² ; Sinead Toomey ³ ; Mattia Cremona ³ ; Malgorzata Milewska ³ ; Simon Furney ⁴ ; Aoife Carr ³ ; Joanna Fay ⁵ ; Elaine Kay ⁵ ; Susan Kennedy ⁶ ; John Crown ⁶ ; Bryan Hennessy ⁷ ; Stephen Madden ¹
PG2+ P29	Non-genomic effects induced by androstenedione may potentiate resistance in aromatase inhibitor resistant breast cancer	Rachel Bleach ¹ , Laura Creevey ¹ , Arnold D.K. Hill ² , Stephen Madden ³ , Leonie Young ¹ , Stephen Pennington ⁴ , Marie McIlroy ¹
PG2+ P30	Open Source 3D Printing for the Fabrication of Magnetically Addressable Hydrogels	Patricia Monks ^{1,2} , Dermot Brougham ² and Andreas Heise ¹

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PG2+ P31	Optimisation of PLGA-PEG nanoparticles for targeted drug delivery in inflammatory bowel disease	Lauren J Mohan ¹ , Jacqueline S Daly ¹ , Zebunnissa Ramtoola ²
PG2+ P32	PIK3CA MUTATION IN HER2 THERAPY RESISTANT BREAST CANCER: A POSSIBLE DYNAMIC INFLUENCE	Niamh Keegan ^{1,2} , Keith Egan ² , Kyran Bulger ³ , Janice Walshe ⁴ , Giuseppe Gullo ⁴ , John Crown ⁴ , Catherine M Kelly ⁵ , John McCaffrey ⁵ , John Kennedy ⁶ , Oscar S Breathnach ² , Liam Grogan ² , Patrick G Morris ² , Sinead Toomey ^{1*} , Bryan T Hennessy ^{1,2}
PG2+ P33	Polygenic risk score as a determinant of risk of non-melanoma skin cancer post-renal transplantation	Caragh P. Stapleton ¹ , Kelly A. Birdwell ² , Amy Jayne McKnight ³ , Alexander P. Maxwell ³ , Patrick B. Mark ⁴ , M. Lee Sanders ⁵ , Fiona A. Chapman ⁴ , Jessica van Setten ⁶ , Paul J. Phelan ⁷ , Claire Kennedy ⁸ , Alan Jardine ⁴ , Jamie P. Traynor ⁴ , Brendan Keating ⁹ , Peter J. Conlon ^{8,10} and Gianpiero L. Cavalleri ¹
PG2+ P34	Predictors of adverse outcomes and factors associated with the risk-stratification model through a community virtual ward for older persons with complex health and social care needs.	Clare C. Lewis ¹ , Declan Patton ¹ , Zena Moore ¹ , Tom O'Connor ¹ , Sherly George ¹ and Linda E. Nugent ¹ .
PG2+ P35	Pressure ulcer risk assessment: risk factors and risk screening in older persons	Aglécia M. V. Budri ^{1,2} , Zena Moore ¹ , Declan Patton ¹ and Tom O'Connor ¹
PG2+ P36	Reinforcement of Collagen Hyaluronic Acid Scaffolds using 3D printed Polymers for Cartilage Tissue Engineering	Mark Lemoine ^{1,2,3} , John M. O'Byrne ^{1,4} , Daniel J. Kelly ^{1,2,3} , Fergal J. O'Brien ^{1,2,3}
PG2+ P37	Responsive triblock copolymer particles with tuneable size and shape	Elena Bobbi ¹ , Andreas Heise ¹
PG2+ P38	Retention of patients in opioid treatment: Protocol for a systematic review	Aisling O' Connor ¹ , Fiona Boland ² , Joe Barry ³ , Dr. Grainne Cousins ⁴ .
PG2+ P39	RNA Sequencing identifies BRD3 as a novel therapeutic target in invasive lobular carcinoma breast cancer	Louise Walsh ¹ , Finbarr Tarrant ² , Bruce Moran ² , Sudipto Das ¹ , Damir Vareslija ³ , Catriona Dowling ⁸ , Philip Schouten ⁴ , Suet-Feung Chin ⁵ , Rene Bernards ⁶ , Carlos Caldas ⁷ , Leonie Young ³ , William M. Gallagher ² , Triona Ní Chonghaile ^{8*} & Darran P. O'Connor ^{1*} .
PG2+ P40	Scaffolds for Cartilage Tissue Engineering.	Shona O'Brien ¹ and Andreas Heise ¹
PG2+ P41	Sustained release of an angiogenic growth factor from a nanoparticle-loaded Hyaluronic Acid based hydrogel suitable for minimally invasive delivery to the ischaemic myocardium	Joanne O'Dwyer ^{1, 2, 3} , Robert Murphy ⁴ , Andreas Heise ⁴ , Garry P. Duffy ^{2, 3, 5} and Sally Ann Cryan ^{1, 2, 3} .
PG2+ P42	Abstract Withheld	Viviane Chiaradia, ^{1,2} Débora de Oliveira, ² Pedro H. H. Araújo, ² Claudia Sayer, ² Andreas Heise ¹
PG2+ P43	The association between medication adherence and health outcomes in older people: a systematic review and meta-analysis protocol	Caroline Walsh ¹ , Caitriona Cahir ¹ , Kathleen E. Bennett ¹
PG2+ P44	The damaging effect of Neutrophil Extracellular Traps on the vascular endothelium during sepsis	Tony M. McHale ^{1,2,3} , Stephanie Leahy ¹ Carolina D. Garcarena ^{1,2,3} , Steve W. Kerrigan ^{1,2,3}
PG2+ P45	The Macrophage Galactose-type Lectin represents a novel binding partner for von Willebrand Factor and modulates <i>in vivo</i> clearance.	Soracha E Ward ¹ , Jamie M O'Sullivan ¹ , Sonia Aguila ¹ , Padraic Fallon ² , Teresa M Brophy ¹ , Roger JS Preston ¹ , Paul Smyth ³ , Orla Sheils ³ , Alain Chion ¹ , James S O'Donnell ¹
PG2+ P46	The molecular clock controls mitochondrial respiration and affects the innate immune response in macrophages	George A. Timmons ¹ , Mariana P. Cervantes-Silva ¹ , Cathy A. Wyse ¹ , James O. Early ^{1,2} , Annie M. Curtis ^{1,2}
PG2+ P47	The prevalence of insulin pump use by adults with Type 1 diabetes in Ireland in 2013-2015. Is insulin pump therapy underutilized?	Katarzyna Gajewska ¹ , Kathleen E. Bennett ¹ , Seamus Sreenan ² , Regien Biesma ¹
PG2+ P48	The role of exosomal derived miRNAs in driving a host's response to infection in sepsis.	Glenn G. Fitzpatrick ^{1,2,3} , Rebecca L. Watkin ^{1,2,3} , Phil Cummins ⁴ , Steve W. Kerrigan ^{1, 2, 3} .
PG2+ P49	The role of the deubiquitinase USP11 in endocrine-driven breast cancer	Lisa Dwane ¹ , Sudipto Das ¹ , Bruce Moran ² , Aisling E. O'Connor ² , Laoighse Mulrane ² , Annette M. Dirac ³ , Karin Jirstrom ⁴ , John P. Crown ⁵ , Rene Bernards ³ , William M. Gallagher ² , Triona Ní Chonghaile ⁶ and Darran P. O'Connor ¹
PG2+ P50	Uncovering the role of luminal progenitors in endocrine resistant breast cancer	Karen Crowley ¹ , Sara Charmsaz ¹ , Damir Vareslija ¹ , Sinead Cocchiglia ¹ , Arnold Hill ² , Leonie Young ¹

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PG2+ P51	What impact does cold air atmospheric plasma have on bacterial biofilms formed on hospital surfaces?	Muireann Fallon ¹ , Sarah Kennedy ¹ , Stephen Daniels ² and Hilary Humphreys ^{1,3} .

Undergraduate Research

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Oral Presentations:		
UG O1	A qualitative study of the patient journey through the healthcare system and information sources used by parents in Attention-Deficit-Hyperactivity-Disorder (ADHD)	Ciarán FitzGerald ¹ , Aaron Whelan ¹ , Blánaid Gavin ² , John Hayden ¹ , Fiona McNicholas ² , Michelle Flood ¹
UG O2	Assessing role of SATB2 and SATB2-AS1 genes in colorectal cancer	Zi Yan Chiah ¹ , Camille Hurley ² , Ian Miller ³ , Annette Byrne ³ , Sudipto Das ² and Darran O'Connor ²
UG O3	Impact of Universal Newborn Hearing Screening (UNHS) on Cochlear Implanted Children in Ireland	Melissa M. Gabriel ¹ , Christine McHugh ² , Cristina Simoes-Franklin ² , Jyoti Thapa ² , Fergal Glynn ² , Peter Walshe ² , Laura Viani ^{1,2}
UG O4	Investigating protease activated receptor 1 (PAR-1) in platelet activation in alpha-1 antitrypsin deficiency (AATD)	Melvin C.S. Hoo ¹ , Noreen Lacey ² , Padraig Hawkins ² , Thomas McEnergy ² , Noel G. McElvaney ^{1,2} and Emer P. Reeves ^{1,2}
UG O5	Investigating the Role of Carbonic Anhydrase 1 in Post Traumatic Stress Disorder.	Matthew Ramesar ¹ , Magdalena Hryniewiecka ² , David R. Cotter ² and Melanie Föcking ² .
UG O6	The qualitative evaluation of an interprofessional education day aimed at improving adherence in patients with Chronic Respiratory Diseases.	Emmet Farrington ¹ , Cristin Ryan ² , Fiona Daly ³ , Michelle Flood ¹ , John Hayden ¹ , Judith Strawbridge ¹
Poster Presentations:		
UG P1	Change and Variation in Prescribing in General Practices in England Following a Safety Warning about Mirabegron	Sheguftha Razzaque ¹ , Frank Moriarty ¹ , Ronald McDowell ¹ , Tom Fahey ¹
UG P2	AN INVESTIGATION OF DISEASE VARIANT FREQUENCIES WITHIN THE IRISH TRAVELLER POPULATION COMPARED TO THE SETTLED IRISH POPULATION.	Syama Gollapalli ¹ , Edmund Gilbert ² and Gianpiero Cavalleri ³ .
UG P3	Analysis of novel cancer immunotherapy compounds discovered for the inhibition of indoleamine 2,3-dioxygenase (IDO) enzyme activity.	Claire Conlon ¹ , Qiao Chunhua ² , Xu Lumei ²
UG P4	Approaches to lower limb progressive resistance strength training in the elderly: what are stakeholders' views?	Shanice Valley ¹ , Sinead Coleman ² , Niamh Murphy ² , Frances Horgan ¹
UG P5	Assessing the quality of online information for patients with arteriovenous fistulas	Richard Bresler ¹ , Louis Richter ¹ , Noel Lynch ² , Peter Naughton ²
UG P6	Audit to Assess the compliance of referral criteria to the Intensive Support Team at Oxford Health NHS Foundation Trust from 1st August 2015 – 1st August 2017	Sara Tierney ¹ , Noel Burke ²
UG P7	Balance, Gait and Dizziness in Adult Patients post Cochlear Implant	James Garvan ¹ , Deirdre Murray ² , Dara Meldrum ³ , Alexandra Murphy ² , Roisin Vance ² , Dr. Cristina Simoes Franklin ⁴ , Dr. Jaclyn Smith ⁴ , Laura Viani ⁴
UG P8	Can Criteria Associated with Centrally Mediated Pain Independently Predict Outcomes of Lumbar Epidural and Facet Joint Injections in Adults with Persistent Low Back Pain? A Prospective, Cohort Study	Fiona Callan ¹ , Niall Halliday ² and Louise Keating ¹
UG P9	Characterisation of the quality of Penicillin V Tablets from Double Blind Capsules	Josephine Takyi, Eoin Cotter, Zeibunnissa Ramtoola.
UG P10	Characterization of patients with low glucometer readings attending the emergency department of a level 3 hospital.	Sultan Fathi ¹ , Niamh Collins ² , Joseph McKeever ² , Emily O'Connor ² , Rachel Gilmore ² , Tommy Kyaw Tun ³ , John McDermott ³ , Seamus Sreenan ³ .
UG P11	Characterization of the interaction of Nanoparticles with Human Platelets using confocal imaging and flow cytometry.	Sian Won Tan ¹ , Dermot Cox ² , Tatyana Devine ² , Sheila Zaros ² , Brenton Cavanagh ³ , Lauren Mohan ⁴ , Zebunnissa Ramtoola ⁴
UG P12	Clinical prediction rules to aid treatment selection in musculoskeletal conditions: A systematic review	¹ Rose Galvin, ¹ Emma Wallace, ³ Kate Kerse, ² Patricia King, ² Sarah Madden, ² Helen French, ¹ Tom Fahey

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UG P13	CLOT OR NOT? A RETROSPECTIVE STUDY OF THE POTENTIAL USE OF THE PULMONARY EMBOLISM RULE OUT CRITERIA IN AN IRISH ADULT EMERGENCY DEPARTMENT.	Muath Abahussain ¹ , Advait Kothare ¹ , Nikita Svirkov-Vainberg ² , Galamoyo Nfila ² , Patrick O'Kelly ² , Peadar Gilligan ² .
UG P14	Co-morbidities, Co-medications, and Concordance in Breast Cancer Survivors: A Prospective Cohort Study	Weng Kit Chan ¹ , Amelia Smith ² , Kathleen Bennett on behalf of the BREAST-PREDICT group ²
UG P15	Determining the most effective exercise for gluteal muscle activation in children with Cerebral Palsy using surface electromyography	Emer Lafferty ¹ , Colm Daly ² , Marie Joyce ² , Ailish Malone ^{1,2}
UG P16	Development of a sustained release system for delivery of the chemotactic factor SDF-1 to the heart following myocardial infarction	Megan Cullen ¹ , Joanne O'Dwyer ^{2, 3, 4} , Robert Murphy ^{5,6} , Andreas Heise ^{5,6} , Sally-Ann Cryan ^{2, 3, 4, 5}
UG P17	Diabetes type I and Middle Ear Pathology	Ahmed Alaradi ¹ , Ahmed Alekri ¹ , Ammar Kheyam ¹ , Ali Alaysreen ¹ , Susan Amin ¹ , Ebrahim Rajab ¹ , Hasan Hameed ² , Omar Ali ² , Khaled Nazzal ² , Abdullah Altamimi ² , and Amer Al-Ansari ² .
UG P18	Do features of Central Sensitisation exist in Greater Trochanter Pain Syndrome (GTPS)? a case control study.	Chie Jong ¹ , Mary McCallan ² and Helen P French ¹
UG P19	Effect of over-encapsulation on disintegration and dissolution of finished drug products	Stephen J. Walsh ¹ , Sam Maher ¹
UG P20	Exploring The Prevalence of Rare F and Null SERPINA1 Mutations In Alpha-1 Antitrypsin Deficiency	Kim C Kok, Tomás P Carroll and Noel G McElvaney
UG P21	Expression profiling of the cytoplasmic polyadenylation protein family, specifically CPEB1 in epilepsy	Devendra Jagai ¹ , Marianna Alves ¹ , Edward Beamer ¹ , James Morgan ¹ , Antonella Poggianni ¹ , Tobias Engel ¹
UG P22	Healthy user bias: Vitamin D use among a breast cancer cohort.	Sneha Singh ¹ , Jamie Madden ¹ , Amelia Smith ¹ , Kathleen Bennett ¹
UG P23	Impact of an Electronic Health Record on task time distribution: a time and motion study (Phase 1: Pre-introduction)	Joyce Costello ¹ , Brian Cleary ² , Eavan Higgins ³ , Brian Kehoe ⁴ , Anu Garg ⁵ , Naomi McCallion ⁶ , Shane Cullinan ⁷
UG P24	Implementation of stratified care for low back pain patients in secondary care: a prospective, observational, feasibility study	Chloe Murnaghan ¹ , Caroline Treanor ² , Mary McCallan ³ , Helen French ¹
UG P25	Influenza Vaccination Uptake in an Irish Obstetric Cohort	Tina Barrett ¹ , Richard Drew ² , Dr Fiona O'Reilly ³ , Dr. Austin O'Carroll ³ , Dr Aisling O'Shea ³ , Dr. Edel McEntee ³ , Prof. Brian Cleary ²
UG P26	Inhaler technique errors among healthcare professionals: a systematic review	Cliona Sheehy ¹ and Cathal Cadogan ¹ .
UG P27	Investigating impact of enhancer methylation on gene expression in metastatic colorectal cancer	Joshua Ramjohn ¹ , Camille Hurley ² , Ian Miller ³ , Annette Byrne ³ , Darran O'Connor ² , Sudipto Das ²
UG P28	Investigating platelet induced neutrophil inflammation in individuals with alpha-1 antitrypsin deficiency	Melvin Q. Lee ¹ , Noreen Lacey ¹ , Michelle M. White ¹ , Noel G. McElvaney ¹ and Emer P. Reeves ¹ .
UG P29	Investigating the potential for using online datasets for preliminary validation of prognostic bioinformatics tools across glioma classifications.	Liam Mulcahy, Manuela Salvucci ¹ , Jochen H. M. Prehn ¹
UG P30	Investigation into the physical compatibility of sildenafil during simulated Y-site administration with adrenaline and noradrenaline	James Walsh ¹ , Fatemah Als Salman ² , Dr Fiona O'Brien ² .
UG P31	Investigation into the Y-site compatibility of Sildenafil in combination with Noradrenaline, for use in the paediatric population with pulmonary arterial hypertension	Sophie Jones ¹ , Fatemah Als Salman ¹ and Fiona O'Brien ¹ .
UG P32	Investigation of the effects of the bone marrow, splenic and thymic microenvironments on T-ALL migration and invasion	Luke Kelly ¹ , Alessandra Di Grande ¹ , Triona Ni Chonghaile ¹
UG P33	Investigation of the recovery and stability of PLGA-PEG nanoparticles for drug delivery in inflammatory bowel disease	Fayez Aldhufairi ¹ , Lauren J Mohan ² , Jacqueline S Daly ² , Zebunnissa Ramtoola ³

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UG P34	Neuroprotective effects of gum arabic in the ageing brain of type 2 diabetic rats: interim analysis	Fatema Al Madhoob ¹ , Bassam AlHamer ¹ , Samar Ghazzal ¹ , Abdulla Dawaishan ¹ , Sadiq Rasool ² , Abdulrahman Qareeballa ² , Sayed Hashim ² , Faisal Falamarzi ² , Michael Keogh ¹ , Brenton Cavanagh ³ , Amer Al-Ansari ² and Ebrahim Rajab ¹ .
UG P35	NOVEL CLARITY METHOD FOR CHONDROCYTE ANALYSIS IN OSTEOARTHRITIC MOUSE MODELS	Bohneje A. Ogon ¹ , Xu Chensi ¹ , Brenton Cavanagh ¹ , Dr Oran Kennedy ¹
UG P36	Patient Willingness To Be Seen By A Physician Associate	Theivanai Saroja Ramaiah ¹ , Arnold Hill ² , Eric Clarke ³ , Steven McMaster ⁴ , Pauline Joyce ⁵ .
UG P37	Patterns of Pain- Persistence and Pain-Avoidance in people with Chronic Low Back Pain	Ruth Loughlin ¹ , Nuala Murphy ¹ , Caroline Treanor ³ , Ciaran Bolger ² , Helen P French ¹
UG P38	Population substructure and associated ancestry in Irish Travellers.	Sophie Mulcahy Symmons ¹ , Edmund Gilbert ² , Gianpiero Cavalleri ² .
UG P39	Prevalence of Hip and/or Groin Pain in Adolescents: A Systematic Review	Rebecca Gallagher ¹ , Aisling O'Grady ¹ , Frank Doyle ² and Helen French ¹
UG P40	Profiling miRNA Expression in Patients with Primary Sjogren's Syndrome	Ameera Khan ³ , Joan Ni Gabhann ^{1,3} and Conor C. Murphy ^{1,2}
UG P41	Abstract Withheld	Niamh Dhondt ¹ , Sophie Sabherwal ² , David Cotter ²
UG P42	Realistic modeling and simulation of the human knee joint movement incorporating the realistic axes of rotations	Anas Zeidan ¹ and Andy K. Ma ¹
UG P43	Relationships between features of central sensitisation and neuropathic pain in lower limb osteoarthritis? a cross-sectional study	Aisling O'Grady ¹ , Criona O'Donohue ² , Ciaran Brennan ³ , Helen P French ¹
UG P44	Return to Physical Activity after Non-Disabling Stroke – A profile of attitudes, barriers and preferences.	Rachael Brophy ¹ , Ruth Madigan ² , Dr Mary Walsh ¹ , Nuala Murphy ¹ , Prof Joseph Harbison ³ , Dr. David Bradley ³ , Frances Horgan ¹
UG P45	Role of Runx2 in Microcalcification Associated with Breast Cancer	Nadine Coptly ¹ , Shane O'Grady ² , Maria Morgan ²
UG P46	Scaffold Composition and Crosslinking Influence Cancer Cell Activity in a 3D In Vitro Model of Pancreatic Cancer	Ranya Buhamad ^{1, 2} , Yousef Husain ^{1, 2} , Alan Hibbitts ² , Irina Pascu ² , Niall Cronin ^{1, 2} , Helena Kelly ^{1, 2} , Cian O'Leary ^{1, 2} .
UG P47	Star Shaped Nano-engineered Antimicrobial Polypeptide Polymers (SNAPP) as novel agents against Carbapenem-Resistant Klebsiella pneumoniae	Anam Shah ¹ , Andreas Heise ² , Mary Pryce ³ , Deridre Fitzgerald-Hughes ¹
UG P48	The association between burnout and depression in medical students	Orla Fitzpatrick ¹ , Regien Biesma ² , Ronan Conroy ² , Alice McGarvey ³
UG P49	The Effect of Ataluren Treatment on the Rare Nullbolton Alpha-1 Antitrypsin Mutation	Mohammad Alfares ¹ , Danielle Dunlea ² , Prithvi Akepati ³ , Andrew Wilson ⁴ , Emer Reeves ⁵ , Noel McElvaney ⁶ .
UG P50	The efficacy of cognitive expectation cues as an augmentation to Corticosteroid injection for the treatment of shoulder pain: A randomized controlled trial	Anna Kern ¹ , Clare Gilsean ² , Vanessa Cuddy ² , Hannan Mullett ³ , Helen P French ¹
UG P51	The Impact of Smoking in SZ Alpha-1 Antitrypsin Deficiency (AATD)	Jing Er Low, Tomás P. Carroll, Margaret Molloy, Noel G. McElvaney
UG P52	The role of 'Trust' in the patient doctor relationship – Barriers and enablers in patient engagement in their sexual health	Mahab Al-Zadjali ¹ , Raymond Zhen Hui Kong ¹ , Marié T. O'Shea ² , Teresa Pawlikowska ² .
UG P53	The role of anatomical dissection in Physician Associate Studies	Roisin Ni Dhonaill ¹ , Maeve Clarke ¹ , Alice McGarvey ^{1,2} , Paulice Joyce ³ , Jane Holland ² .
UG P54	The role of FKBPL in vascular dysfunction and inflammatory disease	Bharti Kewlani ¹ , Stephanie Annett ² and Tracy Robson ²
UG P55	TRAIL-blazing: Elucidating the effectiveness of soluble TRAIL in different Glioblastoma cell lines	Aoife Doolan, Brona Murphy, Frank Lincoln
UG P56	Abstract Withheld	Feargal Donaghy ¹ , Caitriona Murphy ²
UG P57	Using a health economic model to estimate the cost of managing pressure ulcers (grade 2-4) within an acute care setting in Ireland – A Feasibility Study	Aoife Reilly ¹ , Helen Strapp ² , Jan Sorensen ³ , Zena Moore ¹ , Declan Patton ¹ , Jane Burns ¹
UG P58	Developing SDF1 pre-vascularised Gene-Activated Scaffolds for soft tissue repair	Ashang L. Laiva ¹ , Rosanne M. Raftery ^{1,2,3} , Fergal J. O'Brien ^{1,2,3} , Michael B. Keogh ^{1,4} .