

DAY ONE – THURSDAY 26 FEBRUARY 2015

07.45 - 08.30	REGISTRATION – TEA/COFFEE AND MEET THE SPONSORS
08.30 – 08.40	Welcome Address: William Watson, President
08.40 - 10.10	Proffered Papers – Session 1 Chairs: Dr Simon McDade (QUB) and Dr Mark Tangney (UCC)
Time	Talk Title
08.40 – 08.55	PRE-CLINICAL EFFICACY OF A NOVEL ANTI-INVASION NANOPARTICLE THERAPEUTIC IN COMBINATION WITH THE ANGIOGENESIS INHIBITOR BEVACIZUMAB FOR THE TREATMENT OF GLIOBLASTOMA David Murray¹ , P O'Halloran ^{1,2} , M Jarzabek ¹ , B MacCarthy ¹ , J.N. Sarkaria ³ , R.M. Schifflers ⁴ , M Symons ⁵ , A.T. Byrne ¹ ¹ Department of Physiology and Medical Physics, Royal College of Surgeons in Ireland, Dublin 2, ² National Neurosurgical Department, Beaumont Hospital, Dublin 9, ³ Department of Radiation Oncology, Mayo Clinic, Rochester, MN 55905, USA, ⁴ Department of Clinical Chemistry and Haematology, University Medical Center Utrecht, Utrecht, The Netherlands, ⁵ Department of Oncology and Cell Biology, Feinstein Institute for Medical Research at North Shore-LIJ, Manhasset, NY 11030, USA
08.55 – 09.10	THE DEVELOPMENT OF ADAM22 AS A PREDICTIVE MARKER FOR ENDOCRINE RESISTANT BREAST CANCER AND AN LGI1 MIMETIC AS A COMPANION THERAPEUTIC Ben Doherty¹ , J Bolger ¹ , D McCartan ¹ , C Byrne ¹ , D Vareslija ¹ , S Cocchiglia ¹ , A Hill ² , L Young ¹ ¹ Endocrine Oncology Lab, RCSI, Dublin, ² Surgery, Beaumont Hospital, Dublin
09.10 – 09.25	CDK7: A MARKER OF POOR PROGNOSIS AND TRACTABLE THERAPEUTIC TARGET IN TRIPLE-NEGATIVE BREAST CANCER Bo Li¹ , T Ni Chonghaile ¹ , Y Fan ¹ , R Kinger ¹ , AE O'Connor ¹ , DP O'Connor ¹ , WM Gallagher ¹ ¹ Cancer Biology and Therapeutics Laboratory, Conway Institute, University College Dublin, Dublin
09.25 – 09.40	SYNERGISTIC COMBINATION OF ONCOLYTIC REOVIRUS TYPE 3 (DEARING) AND RADIOTHERAPY IN MELANOMA IS MEDIATED THROUGH ENHANCED VIRAL REPLICATION AND MITOCHONDRIAL APOPTOTIC SIGNALLING Grainne McEntee¹ , J Kyula ¹ , V Roulstone ¹ , C Gregory ¹ , M Coffey ² , KJ Harrington ¹ ¹ Targeted Therapy Team, Institute Cancer Research, London UK, ² , Oncolytics Biotech. Inc, Calgary Canada
09.40 - 09.55	EphA2 is an essential driver of invasion and associated with the poor prognostic stem-like subgroup in early stage colorectal cancer. Philip Dunne¹ , D McArt ¹ , J Blayney ¹ , M Salto-Tellez ¹ , P Johnston ¹ , S Van Schaeuybroeck ¹ ¹ CCRCB, Queens University Belfast, Belfast
09.55 – 10.10	ERYTHROPOIETIN RECEPTOR PROMOTES C-Myc DRIVEN BREAST TUMOURIGENESIS Kyle B Matchett¹ , KK Chan ¹ , JA Coulter ¹ , MA Davidson ¹ , HF Yuen ² , CM McCrudden ¹ , P Maxwell ¹ , M El-Tanani ¹ , TR Lappin ¹ ¹ Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, ² Institute of Molecular and Cell Biology, A*STAR, Singapore
10.10 - 10.30	Gold Sponsor Platform – Fannin - Dr. Stephen Hague, European Droplet Digital PCR Applications Specialist for Biorad
10.30 – 11.00	TEA/COFFEE/POSTERS AND MEET THE SPONSORS
11.00 – 12.30	Plenary Session 1: Epigenetics and Disease States Chairs: Dr Olga Piskareva (RCSI) and Dr Ken Nally (UCC)
11.00 – 11.30	“Epigenetic Drugs: Exploring New Pathways For Manipulating Tumour Cell Death” Nick LaThangue (University of Oxford)
11.30 – 12.00	“Decoding Long non-coding RNAs in Cancer” Jo Vandesompele, Ghent University, Belgium
12.00 – 12.30	“Polycomb Group Proteins in Cancer” Adrian Bracken, Trinity College Dublin
12.30 – 12.50	Gold Sponsor Presentation – Kevin Francis, Perkin Elmer
12.50 – 14.00	LUNCH

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14.00 – 15.30	Plenary Session 2: From Mouse To Man; Imaging And Cancer Chairs: Prof. William Gallagher (UCD) and Dr Norma O'Donovan (DCU)
14.00 – 14.30	“Advances in Cancer Imaging Using Multispectral Optoacoustic Tomography” Dr Christoph Hinzen (Technische Universitat Muchen, Germany)
14.30 – 15.00	“Improving the Predictive Value of Preclinical Models Through the Co-Clinical Trial Paradigm” Andrew L. Kung M.D., Ph.D., Chief, Division of Pediatric Hematology/ Oncology/Stem Cell Transplantation, Robert and Ellen Kapito Professor of Pediatrics, Columbia University Medical Center, New York, USA
15.00 – 15.30	“Exploring New Frontiers in the Diagnostic and Therapeutic Applications of Microwaves” Martin O'Halloran, National University of Ireland, Galway
15.30 – 16.00	TEA/COFFEE/POSTERS AND MEET THE SPONSORS
16.00 – 17.00	ORAL POSTER PRESENTATIONS (Best Oral Poster Presentation will receive the <i>Prof. John Fitzpatrick Award</i>) Chairs: Dr Robert O'Connor (ICS) and Dr Emer Bourke (NUIG)
16.00 – 16.06	INFLUENCE OF BACTERIA ON CHEMOTHERAPEUTIC DRUGS Panos Lehouritis¹, J Cummins¹, M Stanton¹, C Murphy¹, F McCarthy¹, G Reid², C Urbaniak², W Byrne¹, M Tangney¹,¹Cork Cancer Research Centre, University College Cork, , Cork Ireland ²Lawson Health Research Institute, Lawson Health Research Institute, London Ontario
16.06 – 16.12	PERSONALISED MODELLING OF THE JNK ACTIVATION DYNAMICS CAN PREDICT NEUROBLASTOMA SURVIVAL Dirk Fey¹, M Halasz¹, D Dreidax², SP Kennedy¹, J Hastings³, N Rauch¹, AG Munoz¹, R Pilkington¹, M Fischer⁴, F Westermann², W Kolch¹, BN Kholodenko¹, DR Croucher^{1,3} ¹Systems Biology Ireland, University College Dublin, Dublin, ²Department of Neuroblastoma Genomics (B087), German Cancer Research Center (DKFZ), Heidelberg, ³The Kinghorn Cancer Centre, Garvan Institute of Medical Research, Sydney, ⁴Department of Pediatric Hematology and Oncology, University Hospital Cologne, Cologne
16.12 – 16.18	THE ROLE OF C-MET/HGF SIGNALLING AS A CRITICAL MEDIATOR OF AN INVASIVE AND RESISTANT PHENOTYPE IN COLORECTAL CANCER Conor A Bradley¹, P Dunne, D McArt, S McQuaid, M Salto-Tellez, PG Johnston, S Van Schaeeybroeck, ¹CCRCB, QUB, Belfast
16.18 – 16.24	TOPOISOMERASE 2-α IS A NOVEL CDC7/DBF4 INTERACTING PROTEIN Kevin ZL Wu^{1,2}, G O'Brien^{1,2}, MD Rainey^{1,2}, C Santocanale^{1,2} ¹Centre for Chromosome Biology, NUI Galway, Galway, ²National Centre for Biomedical Engineering Science, NUI Galway, Galway
16.24 – 16.30	BRCA1 DEFICIENCY EXACERBATES ESTROGEN-INDUCED DNA DAMAGE AND GENOMIC INSTABILITY Kyle B Matchett¹, KI Savage¹, EM Barros¹, KM Cooper², GW Irwin¹, JJ Gorski¹, KS Orr¹, J Vohhodina¹, JN Kavanagh¹, AF Madden¹, A Powell^{1,2}, L Manti³, SS McDade¹, BH Park⁴, KM Prise¹, SA McIntosh¹, M Salto-Tellez¹, DJ Richard⁵, CT Elliott², DP Harkin¹ ¹Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, ²Institute for Global Food Security, Queen's University Belfast, Belfast, ³Department of Physics, University of Naples Federico II, Naples, ⁴The Sidney Kimmel Comprehensive Cancer Centre, The Johns Hopkins University School of Medicine, Baltimore, ⁵Institute of Health and Biomedical Innovation, Queensland University of Technology, Brisbane
16.30 – 16.36	RATIONAL TARGETING OF INHIBITOR OF APOPTOSIS PROTEINS (IAPS) FOR EFFECTIVE THERAPY OF COLORECTAL CANCER Nyree T Crawford, C McCann, DJJ Waugh, PG Johnston, DB Longley ¹Centre for Cancer Research Biology, Queen's University , Belfast

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16.36 – 16.42	<p>HIGH-THROUGHPUT SCREEN IDENTIFIES A NOVEL SPECIFIC HISTONE DEACETYLASE 6 INHIBITOR THAT KILLS CHEMORESISTANT BREAST CANCER CELLS.</p> <p>Triona Ní Chonghaile¹, B Smith², M Hemann³, JE Bradner², W Gallagher¹, A Letai³</p> <p>¹The Conway Institute of Biomolecular and Biomedical Science, University College Dublin, Dublin ²The Department of Hematology and Oncology, Dana Farber Cancer Institute, Boston ³The Department of Biology, Massachusetts Institute of Technology, Boston</p>
16.42 – 16.48	<p>THE EDUCATION OF MSCs BY PROSTATE CANCER CELL LINE CONDITIONED MEDIA</p> <p>Sarah Ridge¹, Ms. Shaw², Prof. Sullivan³, Prof. Giles¹, Dr. Glynn¹</p> <p>¹Prostate Cancer Institute (PCI), NUI Galway, Galway, ²Regenerative Medicine Institute (REMEDI), NUI Galway, Galway, ³Radiation Oncology, Galway University Hospital, Galway</p>
17.00 – 18.00	<p>IRISH CANCER SOCIETY SCHOLAR AND FELLOW PRESENTATIONS</p> <p>Chairs: Dr Aisling O'Connor (ICS) and Dr Jacintha O'Sullivan (TCD)</p>
17.00 – 17.15	<p>TAILORING APPROACHES FOR GLOBAL EPIGENOME ANALYSIS FROM ARCHIVAL FORMALIN-FIXED PARAFFIN-EMBEDDED TISSUE SAMPLES</p> <p>Sudipto Das¹, B Moran¹, R Klinger¹, B Fender², G Peutman³, D Smeets³, A Byrne⁴, M Ebert⁵, D Lambrechts³, WM Gallagher¹, DP O'Connor¹</p> <p>¹Cancer Biology & therapeutics, Conway Institute, University College Dublin, Dublin, ²Oncomark Ltd., Nova UCD, Dublin, ³Department of Translational genetics, VIB, K.U., Leuven, Belgium, ⁴Department of Physiology, Royal College of Surgeons in Irealnd, Dublin, ⁵University of Heidelberg, University of Heidelberg, Manheim, Germany</p>
17.15 – 17.30	<p>MicroRNA-10a IS SIGNIFICANTLY DOWN-REGULATED IN BREAST CANCER AND REGULATED AT LEAST IN PART THROUGH RETINOIC ACID</p> <p>Sonja Khan, D Wall, C Curran, J Newell, MJ Kerin, RM Dwyer, ¹Surgery, School of Medicine, National University of Ireland, Galway, ²Clinical Research Facility and School of Mathematics, Statistics and Appli, National University of Ireland, Galway, ³Surgery, School of Medicine, National University of Ireland, Galway, ⁴Clinical Research Facility and School of Mathematics, Statistics and Appli, National University of Ireland, Galway, ⁵Surgery, School of Medicine, National University of Ireland, Galway, ⁶Surgery, School of Medicine, National University of Ireland, Galway</p>
17.30 - 17.45	<p>Investigation of the role of STAT3 signalling in obesity-associated adenocarcinoma of the oesophagus</p> <p>Katie O' Sullivan¹, MC Cathcart¹, E O' Regan¹, J Michaelson¹, N Gilmartin¹, A Cannon¹, G Moore¹, W Gao², U Fearon², J Lysaght¹, J O' Sullivan¹, JV Reynolds¹</p> <p>¹Department of Surgery, Institute of Molecular Medicine, Dublin ²Education and Research Centre, Conway Institute of Bimolecular and Biomedical Research, Elm Park, Dublin</p>
17.45 – 18.00	<p>FUNCTIONAL GENOMIC SCREENING IDENTIFIES USP11 AS A NOVEL THERAPEUTIC TARGET IN BREAST CANCER</p> <p>Lisa Dwane¹, AE O'Connor¹, L Mulrane¹, AM Dirac², K Jirstrom³, JP Crown⁴, R Bernards², WM Gallagher¹, DP O'Connor¹</p> <p>¹UCD School of Biomolecular and Biomedical Science, UCD Conway Institute, University College Dublin, Dublin 4, ²Division of Molecular Carcinogenesis, Netherlands Cancer Institute, Amsterdam, Netherlands, ³Department of Laboratory Medicine, Malmö University Hospital, Lund University, Malmö, Sweden</p>
18.00 – 18.30	TEA/COFFEE & MEET THE SPONSORS
18.30 – 19.30	<p>IRISH CANCER SOCIETY LECTURE – <i>Introduced by: John McCormack</i></p> <p><i>“GENETIC PREDISPOSITION TO PROSTATE CANCER AND ITS CLINICAL APPLICATIONS”</i></p> <p>Prof. Ros Eeles, The Royal Marsden & The Institute of Cancer Research, London</p>
19.30 – 22.30	FORMAL POSTER SESSION, TRADE EXHIBITION/WINE RECEPTION AND BUFFET DINNER

DAY TWO – FRIDAY 27 FEBRUARY 2015

TIME	TALK TITLE
08.40 – 10.10	Proffered Paper 2 Session Chairs: Dr Graham Pidgeon (TCD) and Dr Niamh Buckley (QUB)
08.40 – 08.55	IDENTIFICATION OF A NOVEL UBIQUITIN SPECIFIC PEPTIDASE INVOLVED IN MAINTAINING GENOMIC STABILITY Edel McGarry¹ , David Gaboriau ¹ , Umberto Restuccia ² , Michael D. Rainey ¹ , Angela Bachi ² and Corrado Santocanale ^{1,1} Centre for Chromosome Biology and National Centre for Biomedical Engineering Science, National University of Ireland, Galway, ² Functional Proteomics Unit, IFOM, FIRC Institute of Molecular Oncology, Milan, Italy
08.55 – 09.10	INVESTIGATING THE ROLE OF POLYMORPHISMS IN mir146a AND mir196a2 IN MODIFYING BREAST CANCER RISK AND PHENOTYPE Robert J Mulligan¹ , TP McVeigh ¹ , KJ Sweeney ² , JB Weidhaas ³ , N Miller ¹ , MJ Kerin ¹ ¹ Discipline of Surgery, NUI Galway, Galway, ³ School of Medicine, Yale University, New Haven
09.10 – 09.25	ELUCIDATING THE IMMUNOTHERAPEUTIC POTENTIAL OF GAMMA DELTA T CELL SUBSETS AND MAIT CELLS Margaret Dunne¹ , R Dunne ¹ , N Clarke ¹ , N Gilmartin ¹ , D O'Toole ² , F MacCarthy ² , N Ravi ² , JV Reynolds ¹ , JN O'Sullivan ^{1,1} Department of Surgery, Trinity College Dublin, Dublin, ² Department of Clinical Medicine, St James's Hospital, Dublin
09.25 – 09.40	DEVELOPMENT OF AN EX-VIVO PRIMARY ACUTE MYELOID LEUKEMIA (AML) ASSAY TO PREDICT EFFICACY OF CHEMOTHERAPY Denis Baev¹ , J Krawczyk ² , M O'Dwyer ^{1,2} , E Szegezdi ¹ , ¹ Apoptosis Research Center, National University of Ireland, Galway, ² Haematology, Galway University Hospital, Galway
09.40 – 09.55	THE ROLE OF ZEB1/ZEB2 AND βIII-TUBULIN IN MEDIATING DOCETAXEL-RESISTANT PROSTATE CANCER Karen Hanrahan¹ , M Prencipe ¹ , J Bugler ¹ , L Murphy ¹ , A O'Neill ¹ , RW Watson ¹ ¹ UCD School of Medicine and Medical Science, Conway Institute of Biomolecular and Biomedical Research, University College Dublin
09.55 – 10.10	DELINEATING AN EPIGENOMIC ROADMAP OF PROSTATE TUMORIGENESIS Presented by: Antoinette Perry CJ O'Rourke ¹ , AL Walsh ^{1,2} , B Hayes ³ , J Hansen ⁴ , S O'Meachair ⁵ , D Golden ⁶ , R Anney ¹ , S Madden ⁷ , C Morrissey ⁸ , R Vessella ⁸ , M Emmert-Buck ⁴ , SP Finn ³ , D Hollywood ¹ , T Lynch ² , RWG Watson ⁹ , Antoinette Perry^{1,1} Institute of Molecular Medicine, Trinity College Dublin, Dublin 8, ² Department of Urology, St. James's Hospital, Dublin 8, ³ Department of Histopathology, St. James's Hospital, Dublin 8, ⁴ Pathogenetics Unit, National Cancer Institute, NIH, Bethesda, MD, USA, ⁵ Dublin Centre for Clinical Research and Centre for Health Decision Science, Trinity College Dublin, Dublin 2, ⁶ Trinity Centre for High Performance Computing, Trinity College Dublin, Dublin 2, ⁷ National Institute for Cellular Biotechnology, Dublin City University, Dublin 9, ⁸ Department of Urology, University of Washington, Seattle, USA, ⁹ Conway Institute of Biomolecular and Biomedical Research, University College Dublin, Dublin 4
10.10 – 10.30	Gold Sponsor Platform – GenCell Bio “Powering Genomic Cancer Research using High Throughput Library Preparation for Next Generation Sequencing”
10.30 – 10.55	TEA/COFFEE/POSTERS AND MEET THE SPONSORS
10.55 – 12.25	Plenary Session 3: Growth Factor & Adhesion Signalling Chairs: Dr Pat Kiely (UL) and Dr Ann Hopkins (RCSI)
10.55 – 11.25	“Rnai Screen Identifies New Regulators of Epithelial Cell-Cell Adhesion” Vania Braga, Faculty of Medicine – Imperial College, London
11.25 – 11.55	“Forcing Tumor Progression and Metastasis” Valerie Weaver, University of California, San Francisco
11.55 – 12.25	“IGF and Adhesion Signalling in Cancer Cell Stemness, EMT and Therapy Resistance” Rosemary O'Connor, University College Cork
12.25 – 12.45	Gold Sponsor Platform – Kile Green, NanoString Technologies
12.45 – 14.00	LUNCH

DAY TWO – FRIDAY 27 FEBRUARY 2015

TIME	TALK TITLE
14.00 – 15.30	Plenary Session 4: Longitudinal Monitoring of Acquired Resistance to Therapy Chairs: Dr Darran O'Connor, UCD and Prof. Afshin Samali, NUI, Galway
14.00 – 14.30	<i>“Therapy Resistance in Human Prostate Cancer”</i> Norman Maitland, University of York
14.30 – 15.00	<i>“Non-Invasive Cancer Genomics”</i> Dr Dana Tsui, University of Cambridge
15.00 – 15.20	IACR AGM
15.20 – 15.50	TEA/COFFEE/POSTERS & MEET THE SPONSORS
15.50 – 17.40	Plenary Session 5: Lessons from Research Centres: Translating Academic Research into Innovative Tools Chairs: Prof. William Watson, UCD and Dr Tara Dalton, UL
15.50 – 16.20	<i>“ CRC-Associated Microbiota Profiles Are Linked With Distinct Mucosal Gene Expression Profiles ”</i> Burkhardt Flemer, PhD, Alimentary Pharmabiotic Centre & Dept., Microbiology, University College Cork
16.20 – 16.50	Professor Brian Caulfield (INSIGHT) Lead Investigator ARCH Centre, Dean of Physiotherapy, University College Dublin
16.50 – 17.20	BREAST-PREDICT, the Irish Cancer Society’s First Collaborative Cancer Research Centre William Gallagher (BREAST-PREDICT)
17.20 – 18.20	EACR Young Scientist Awards Chairs: Dr Ann Hopkins and Dr Jacintha O’Sullivan
17.20 – 17.50 Presented by: James Brown	RATIONAL DESIGN AND VALIDATION OF A TIP60 HISTONE ACETYLTRANSFERASE INHIBITOR FOR THE TREATMENT OF BREAST CANCER SUBTYPES C Gao ^{1,2} , E Bourke ³ , M Scobie ⁴ , MC Casey ⁶ , A McGuire ⁶ , A Shalaby ³ , M Webber ³ , C Curran ⁶ , MA Famme ⁴ , T Koolmeister ⁴ , M Kerin ⁶ , T Helleday ⁴ , LA Eriksson ^{1,2} , NF Lowndes ⁵ , James Brown^{5,6} ¹ School of Chemistry, National University of Ireland Galway, Galway, ² Department of Chemistry and Molecular Biology, University of Gothenburg, Go'teborg, Sweden, ³ Discipline of Pathology, National University of Ireland Galway, Galway, ⁴ Division of Translational Medicine and Chemical Biology, Department of Medi, Karolinska Institute, Stockholm, Sweden, ⁵ Centre for Chromosome Biology, School of Natural Sciences, National University of Ireland Galway, Galway, ⁶ Department of Surgery, School of Medicine, , National University of Ireland Galway, Galway, Ireland
17.50 – 18.20	TARGETING COLON CANCER CELL NF-kappaB PROMOTES AN ANTI-TUMOR M1-LIKE MACROPHAGE PHENOTYPE AND INHIBITS PERITONEAL METASTASIS AE Ryan^{1,2}, A Colleran¹, A O’Gorman¹, L O’Flynn², J Pindjakova², P Lohan², G O’Malley^{1,2}, M Nosov², C Mureau¹, LJ Egan¹ ¹ Discipline of Pharmacology and Therapeutics, NUIG, Galway, ² Regenerative Medicine Institute, NUIG, Galway
18.20 - 18.30	AWARDING OF PRIZES
19.30 – Bus departs for Bunratty Castle	GALA DINNER BUNRATTY CASTLE WITH ENTERTAINMENT TRANSPORT TO AND FROM VENUE PROVIDED – BUS DEPARTS AT 19.30!!!!