

DAY ONE – THURSDAY 27 FEBRUARY 2014

07.45	REGISTRATION AND MEET THE SPONSORS
08.45 – 09.00	Welcome Address: Professor Elaine Kay, IACR President
09.00 - 10.30	Proffered Papers – Session 1 Chairpersons: Amanda McCann (UCD) and Pat Kiely (UL)
Time	Talk Title
09.00 – 09.15	MIR-433 PREDICTS POOR RESPONSE TO CHEMOTHERAPY IN OVARIAN CANCER PATIENTS BY THE INDUCTION OF CELLULAR SENESCENCE K Weiner-Gorzel¹, D Sharpe², M Milewska³, C Beggan⁴, N Faheem⁵, A McGoldrick¹, V Toh¹, S Madden⁶, P Fitzpatrick⁷, M Murphy¹, J McCaffrey^{1,8}, M Harrison⁹, E Kay⁵, MR Kell¹⁰, A McCann¹, F Furlong² ¹ UCD School of Medicine and Medical Science, University College Dublin, Dublin 4, ² School of Pharmacy, Queen's University of Belfast, Belfast, ³ Systems Biology Ireland, University College Dublin, Dublin 4, ⁴ Department of Pathology, Royal College of Surgeons in Ireland (RCSI), Beaumont Hospital, Dublin 2, ⁵ Departments of Histopathology, Obstetrics and Gynaecology, Trinity College Dublin, Dublin 2, ⁶ Molecular Therapeutics for Cancer Ireland, National Institute for Cellular Biotechnology, Dublin City University, Dublin 9, ⁷ UCD School of Public Health, Physiotherapy and Population Science, University College Dublin, Dublin 4, ⁸ Department of Oncology, Mater Misericordiae Hospital, Dublin 7, ⁹ Department of Pathology, Mater Misericordiae Hospital, Dublin 7, Ireland ¹⁰ Department of Surgery, Mater Misericordiae Hospital, Dublin 7, Ireland
09.15 – 09.30	EARLY ADAPTIVE MECHANISMS OF ESTROGEN RECEPTOR SIGNALLING IN RESPONSE TO AI TREATMENT Damir Vareslija, Jean McBryan, Ailis Fagan, Arnold Hill, Leonie Young Endocrine Oncology Research, Department of Surgery, RCSI
09.30 – 09.45	TARGETING TREATMENT RESISTANT CANCER STEM CELLS WITH FKBPL AND ITS PEPTIDE THERAPEUTICS L McClements¹, A Yakkundi¹, A Papaspyropoulos², E O'Neill², A Kissenpfennig³, H Harrison⁴, MP Ablett⁴, RB Clarke⁴, T Robson¹ ¹ School of Pharmacy, Queen's University, Belfast, UK, ² Gray Institute for Radiation Oncology & Biology, University of Oxford, Oxford, UK, ³ Centre for Infection and Immunity, Queen's University, Belfast, UK, ⁴ Institute of Cancer Sciences, University of Manchester, Manchester, UK
09.45 – 10.00	THE ROLE OF IGF-1 RECEPTOR, INSULIN RECEPTOR AND PTEN TISSUE EXPRESSION IN PREDICTING BIOCHEMICAL RECURRENCE IN PROSTATE CANCER PATIENTS FOLLOWING SURGERY KJ Breen, NM Fitzgerald, S Boyce, A O'Neill, JM Fitzpatrick, RW Watson Conway Institute of Biomolecular and Biomedical Science, University College Dublin, Dublin
10.00 – 10.15	UTX REGULATES SYNERGISTIC ACTIVATION OF INFLAMMATORY CHEMOKINE AND ANTIVIRAL GENES BY TH1 CYTOKINES IN COLON CANCER CELLS JA Woznicki^{1, 2}, A Fagan¹, I Uings⁴, R Prinjha⁴, L Kruidenier⁴, S Melgar¹, F Shanahan^{1, 2}, K Nally^{1, 3} ¹ Alimentary Pharmabiotic Centre, University College Cork, Cork, ² Department of Medicine, University College Cork, Cork, ³ School of Biochemistry and Cell Biology, University College Cork, Cork, ⁴ Epinova DPU, GlaxoSmithKline, Stevenage, UK

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10.15 – 10.45	TEA/COFFEE AND MEET THE SPONSORS
10.45 – 12.45	Plenary Session 1: Obesity, Lifestyle and Cancer Chairpersons: Jacintha O’Sullivan (TCD) and Graham Pidgeon (TCD)
10.45 - 11.15	OBESEITY AND CANCER RISK: SEEKING MECHANISTIC INSIGHTS FROM EPIDEMIOLOGY Andrew Renehan (University of Manchester, UK)
11.15 – 11.45	ADIPOSE TISSUE AND BREAST CANCER : A DANGEROUS RELATIONSHIP Catherine Muller (University of Toulouse, France)
11.45 – 12.15	EXERCISE IN CANCER Juliette Hussey (Trinity College Dublin)
12.15 – 12.35	Gold Sponsor Presentation – Cambridge BioScience
12.35 – 13.00	AGM
13.00 – 14.00	LUNCH – TRADE EXHIBITIONS AND POSTERS
14.00 – 15.30	PLENARY SESSION 2: NOVEL CELL DEATH PATHWAYS IN CANCER Chairpersons: Dan Longley (QUB) and Afshin Samali (NUIG)
14.00 – 14.30	AUTOPHAGY IN CELL DEATH AND CANCER Kevin Ryan (Beatson, Glasgow, UK)
14.30 – 15.00	REGULATION OF CELL DEATH AND INFLAMMATION IN CANCER Pascal Meier (Institute for Cancer Research, UK)
15.00 – 15.30	INFLAMMATORY IMPLICATIONS OF ‘DEATH RECEPTOR’ SIGNALING IN CANCER Seamus J. Martin, Molecular Cell Biology Laboratory, Dept. of Genetics, The Smurfit Institute, Trinity College, Dublin 2
15.30 – 15.50	Platinum Sponsor Presentation Cancer Care West, National Breast Cancer Research Institute and the Prostate Cancer Institute, NUI Galway, supported by Galway University Foundation"
15.50 – 16.20	TEA/COFFEE – MEET THE SPONSORS AND POSTERS
16.20 – 17.15	Oral Poster Presentations Chairpersons: Sinead Walsh (ICS) and John Fitzpatrick (ICS)
16.20 – 16.26	Cigarette Smoke Extract influences the inflammatory tissue microenvironment, independent of NF-kB activity, in human and murine models of colitis A Cannon ¹ , R Horan ² , N Mahmud ³ , N Ullah ³ , F MacCarthy ³ , J Lysaght ¹ , P Fallon ³ , P Walsh ² , J O’Sullivan ¹ ¹ Dept. of Surgery, St. James's Hospital, Trinity College Dublin, Dublin, ² Dept. of Clinical Medicine, Our Lady's Children's Hospital, Trinity College Dublin, Dublin, ³ Dept. of Clinical Medicine, St. James's Hospital, Trinity College Dublin, Dublin
16.26 – 16.32	ZC3H11A; A novel player in the DNA Damage Response D Hamilton ¹ , NF Lowndes ¹ ¹ Centre for Chromosome Biology, National University of Ireland Galway, Galway

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16.32 – 16.38	<p>Crosstalk between the death inducing signalling complex and mitochondria is the major determinant of TRAIL-mediated apoptosis G Gernon¹, P O'Reilly¹, T Sessler¹, A Natoni¹, A Samali¹, E Szegezdi¹ ¹Apoptosis Research Group, NUI Galway, Galway</p>
16.38 – 16.44	<p>The functional characterisation of an immune signalling profile which defines a DNA repair deficient group in breast cancer EE Parkes¹, S McDade¹, RD Kennedy¹ ¹CCRCB, Queens University Belfast, Belfast, Northern Ireland</p>
16.44 – 16.50	<p>PROSPECTIVE EVALUATION OF THE POTENTIAL TO REDUCE BREAST CANCER RISK, THROUGH LIFESTYLE MODIFICATIONS IN BRCA-MUTATION CARRIERS. SA McGarrigle¹, EM Guinan², J Hussey², JN O'Sullivan¹, DJ Gallagher³, EM Connolly¹ ¹Dept. of Surgery, Trinity College Dublin, Dublin, Ireland ²Discipline of Physiotherapy, Trinity College Dublin, Dublin, Ireland ³Cancer Genetics Dept., Mater Misericordiae University Hospital, Dublin</p>
16.50 – 16.56	<p>MECHANISMS OF RESISTANCE TO THE SRC INHIBITOR SARACATINIB IN EPITHELIAL OVARIAN CANCERN M McGivern¹, N McCabe¹, P Mullan¹, R Kennedy¹ ¹Centre for Cancer Research and Cell Biology, QUB, Belfast, Northern Ireland</p>
16.56 – 17.02	<p>TH1 CYTOKINES SYNERGISE TO DOWNREGULATE MULTIPLE RTK PATHWAYS IN COLON CANCER CELLS JA Woznicki^{1,2}, A Fagan¹, N O'Donovan⁴, R O'Connor³, S Melgar¹, F Shanahan^{1,2}, K Nally^{1,3} ¹Alimentary Pharmabiotic Centre, University College Cork, Cork, ²Department of Medicine, University College Cork, Cork, ³School of Biochemistry and Cell Biology, University College Cork, Cork, ⁴National Institute for Cellular Biotechnology, Dublin City University, Dublin</p>
17.15 – 18.15	<p>IRISH CANCER SOCIETY SESSION Chairperson: Sinead Walsh (ICS) and Prof. John Fitzpatrick (ICS)</p>
17.15 – 17.30	<p>Identification of Metadherin in a complex with RACK1/PP2A in mammary epithelial cells. M Kiely¹, R O'Connor², PA Kiely^{1,3} ¹Department of Life Sciences and Maternal and Surface Science Institute, University of Limerick, Limerick, ²Department of Biochemistry, Biosciences Institute, National University of Ireland, Cork, Cork, ³Stokes Institute, University of Limerick, Limerick</p>
17.30 – 17.45	<p>PI3K targeted inhibition as a first line therapy in NSCLC: an in vitro evaluation and mutation prevalence in an Irish patient cohort. S Heavey¹, M Barr¹, B Hennessy², S Toomey², A Carr², J Crown³, A Davies¹, K O'Byrne⁴, K Gately¹ ¹Department of Clinical Medicine, Trinity College Dublin, Dublin, ²Department of Medical Oncology, Royal College of Surgeons in Ireland, Dublin, ³Director MTCl, Dublin City University, Dublin, ⁴Cancer & Ageing Research Program, Queensland University of Technology, Brisbane, Australia</p>

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<p>17.45 – 18.00</p>	<p>THROMBOXANE PATHWAY TARGETING AS A NOVEL ANTI-ANGIOGENIC APPROACH FOR THE TREATMENT OF COLORECTAL CANCER. MC Cathcart¹, BN Kennedy², B Mehigan¹, P Mc Cormick¹, JV Reynolds¹, EW Kay³, JN O' Sullivan¹, GP Pidgeon¹ ¹Department of Surgery, Trinity College Dublin/St. James's Hospital, Dublin 8, ²Department of Biomolecular and Biomedical Sciences, University College Dublin, Dublin 2, ³Department of Pathology, Royal College of Surgeons in Ireland/Beaumont Hospital, Dublin 9</p>
<p>18.00 – 18.15</p>	<p>A NEW MOLECULAR TARGET FOR CASTRATE-RESISTANT PROSTATE CANCER: NEGATIVE FEEDBACK LOOP BETWEEN SRF AND AR M Prencipe¹, G O'Hurley^{2,3}, A O'Neill¹, D London¹, LK Nguyen⁴, S Boyce^{1,5}, C Morrissey⁶, H Klocker⁷, EW Kay⁸, WM Gallagher^{2,3}, RW Watson¹ ¹School of Medicine and Medical Science, Conway Institute, UCD, Dublin, ²OncoMark Limited, Nova UCD, Dublin, ³UCD School of Biomolecular and Biomedical Science, Conway Institute, UCD, Dublin, ⁴Systems Biology Ireland, UCD, Dublin, ⁵UCD School of Mathematical Sciences, UCD, Dublin, ⁶Department of Urology, University of Washington, Seattle, USA, ⁷Department of Urology, Innsbruck Medical University, Innsbruck, Austria, ⁸Department of Pathology, RCSI Education and Research Centre Beaumont Hospital, Dublin</p>
<p>18.15 – 18.35</p>	<p>SHORT TEA/COFFEE – EXHIBITION AND POSTERS</p>
<p>18.35 – 19.35</p>	<p>Irish Cancer Society Lecture <i>Introduced by John McCormack</i></p> <p>"TOPOISOMERASES CLEAVAGE COMPLEXES: GENOMIC DR JEKYLL AND MR HYDE". Yves Pommier, M.D., Ph.D., Chief, Developmental Therapeutics Branch and Laboratory of Molecular Pharmacology, Center for Cancer Research, National Cancer Institute, National Institutes of Health, Bethesda, Maryland</p>
<p>19.35 – 22.30</p>	<p>FORMAL POSTER SESSION/TRADE EXHIBITION/WINE RECEPTION/BUFFET</p>

DAY TWO – FRIDAY 28 FEBRUARY 2014

08.45 – 10.45	PROFFERED PAPER 2 SESSION Chairpersons: Elaine Kay (RCSI) and Niamh Buckley (QUB)
08.45 – 09.00	A NOVEL ROLE FOR THE ADHESION PROTEIN JUNCTIONAL ADHESION MOLECULE-A (JAM-A) IN HER2-MEDIATED BREAST CANCER CELL SIGNALLING EA McSherry^{1,2}, AM Hopkins², SK Muthuswamy^{1,1} Ontario Cancer Institute, University of Toronto, Toronto, Canada, ² Department of Surgery, Royal College of Surgeons in Ireland, Dublin, Ireland
09.00 – 09.15	FAS MODULATES INTESTINAL TLR-MEDIATED INFLAMMATION AND SUPPRESSION OF FAS IN COLON CANCER CELLS REDUCES TUMOUR GROWTH IN VIVO P Fernandes¹, C Lyons², E Brint^{2,3}, A Houston^{1,3,1} Department of Medicine, University College Cork, Cork, ² Department of Pathology, University College Cork, Cork, ³ Alimentary Pharmabiotic Centre, University College Cork, Cork
09.15 – 09.30	DIFFERENTIAL LOCALIZATION OF A-RAF KINASE REGULATES MST2-MEDIATED APOPTOSIS IN CANCER AND DIFFERENTIATION. J Rauch¹, D Vandamme¹, N Volinski¹, B Mack², O Gires², W Kolch^{1,1} Systems Biology Ireland, University College Dublin, Dublin, ² Clinical Cooperation Group Molecular Oncology, Ludwig-Maximilians-Universität, Munich, Germany
09.30 – 09.45	PRE-CLINICAL INVESTIGATION OF THE ANDROGEN RECEPTOR AS A THERAPEUTIC TARGET IN TRIPLE-NEGATIVE BREAST CANCER F Caiazza¹, SF Madden², J Crown³, MJ Duffy^{1,4,1} Conway Institute of Biomolecular and Biomedical Research, University College Dublin, Dublin, ² National Institute for Cellular Biotechnology, Dublin City University, Dublin, ³ Department of Medical Oncology, Saint Vincents University Hospital, Dublin, ⁴ UCD Clinical Research Center, Saint Vincents University Hospital, Dublin
09.45 – 10.00	NOVEL EX-VIVO PRIMARY ACUTE MYELOID LEUKEMIA (AML) MODEL SYSTEM TO PREDICT DRUG RESPONSE D Baev¹, P MacEoin¹, J Krawczyk², M O'Dwyer^{1,2}, E Szegezdi¹ ¹ Apoptosis Research Center, NUIG, Galway, ² , Galway University Hospital, Galway
10.00 – 10.15	THE ROLE OF JAK1/2-STAT3 AS ACUTE RESISTANCE MECHANISM TO MEK INHIBITION IN BRAF MUTANT COLORECTAL CANCER CELL LINES B Celtikci¹, R Carson¹, SV Schaeybroeck¹, P Johnston¹ ¹ Faculty of Medicine, Centre for Cancer Research and Cell Biology, Queen's University, Belfast, UK
10.15– 10.45	TEA/COFFEE/POSTERS & MEET THE SPONSORS
10.45 – 12.15	Plenary Session 3: Chromosome Dynamics and DNA Damage Response Chairpersons: Corrado Santocanale (NUIG) and Emer Bourke (NUIG)
10.45 – 11.15	STRUCTURAL AND MOLECULAR INVESTIGATIONS ON DNA REPLICATION STRESS IN CANCER ONSET AND THERAPY Massimo Lopes (Institute of Molecular Cancer Research, University of Zurich, Switzerland)
11.15 – 11.45	CHROMOSOME SEGREGATION AND ITS FEEDBACK CONTROL Andrea Musacchio (Max Planck Institute, Dortmund)
11.45 – 12.15	ORGANISATION AND DNA DAMAGE INDUCED MOVEMENT OF THE CHROMOSOMES THAT DRIVE NUCLEOLAR FORMATION Prof. Brian McStay, NUIG, Galway
12.15 – 12.45	DEVELOPMENT AND VALIDATION OF A GENE EXPRESSION-BASED BIOMARKER THAT PREDICTS RESPONSE TO DNA-DAMAGING CHEMOTHERAPY Richard Kennedy (Queens University Belfast)
12.45 – 13.05	Gold Sponsor Presentation – Amgen Prof. Kevin Harrington - Institute of Cancer Research in London “The Development of Oncolytic Virus as Cancer Therapeutics”
13.05 – 14.00	LUNCH

DAY TWO – FRIDAY 28 FEBRUARY 2014	
14.00 – 15.30	Plenary Session 4: Patient-Derived Xenografts Chairpersons: Darran O'Connor (UCD) and Liam Gallagher (UCD)
14.00 – 14.30	<i>PRECISION MEDICINE IN METASTATIC COLORECTAL CANCER: OPPORTUNITIES AND CHALLENGES</i> Livio Trusolino, Department of Oncology, University of Torino School of Medicine, and IRCC, Institute for Cancer Research and Treatment, Candiolo, Torino, Italy
14.30 – 15.00	<i>MODELLING OF RESPONSE TO TREATMENT IN PATIENT-DERIVED XENOGRAPTS OF BREAST CANCER</i> Elisabetta Marangoni, Institut Curie in Paris
15.00 – 15.30	<i>PATIENT-DERIVED XENOGRAPTS AS IMPROVED MODELS OF HUMAN BREAST CANCER</i> Alana Welm (Hunstman Cancer Institute, Utah) <i>sponsored by Breast Cancer Ireland</i>
15.30 – 16.00	TEA/COFFEE/POSTERS & MEET THE SPONSORS
16.00 – 17.00	Indigenous Industry Plenary Session: Translating Academic Cancer Research into Start-Up Companies Chairs: Dr. Olga Piskareva (RCSI) and Mark Tangney (UCC)
16.00 – 16.15	Liam Gallagher (University College Dublin OncoMark)
16.15 – 16.30	Leonie Young (Royal College of Surgeons in Ireland EndoAdapt)
16.30 – 16.45	Brian Keogh (Trinity College Dublin, Opsona Therapeutics)
16.45 – 17.00	Neil Frankish (Trinity College Dublin; Trino Therapeutics)
17.00 - 18.00	EACR Young Scientist Awards Chairpersons: Elaine Kay (RCSI) and Jacintha O'Sullivan (TCD)
17.00 - 17.30	DYSFUNCTIONAL MITOCHONDRIA AND ALTERED ENERGY METABOLISM IS ASSOCIATED WITH A RADIORESISTANT PHENOTYPE IN OESOPHAGEAL ADENOCARCINOMA N Lynam-Lennon¹, SG Maher^{1,2}, A Maguire³, J Phelan¹, C Muldoon³, JV Reynolds¹, JN O'Sullivan¹ ¹ Department of Surgery, Trinity College Dublin, Dublin, ² Cancer Biology and Therapeutics Lab, University of Hull, Hull, United Kingdom, ³ Department of Pathology, St James's Hospital, Dublin
17.30 – 18.00	BCL-2 VERSUS BCL-XL DEPENDENCE IN T-ALL IS DEFINED BY THE MATURATION STAGE OF THE INITIATING CLONE T Ni Chonghaile¹, C Glenfield², M Harris³, A Gutierrez³, A Letai¹ ¹ Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, USA, ² Department of Genetics, Trinity College Dublin, Dublin, ³ Department of Pediatric Hematology/Oncology, Children's Hospital/Dana-Farber Cancer Institute, Boston, USA
20.00	Gala Dinner and Awarding of Prizes <i>Preferred paper, oral poster and poster prizes kindly sponsored by SFI Conference & Workshop Award 13/CW/B2838</i>