

**2nd March, 2011**  
**Cancer Therapeutics: Small Molecule and Biological  
Strategies in the Molecular-Targeted Era**  
SATELLITE MEETING OF THE IACR – ROCHESTOWN PARK HOTEL, CORK

**ONCOLOGY DRUG DISCOVERY OVERVIEW AND SMALL MOLECULE DEVELOPMENT**

*Chair: Prof David Haigh, Queen's University Belfast*

- 10.30 – 11.00**      **Oncology Drugs of the Future - Trends and highlights from new molecularly targeted drugs / drug candidates in clinical evaluation**  
*Andrew Thomas (AstraZeneca)*
- 11:00 – 11:30**      **Fragment Based Hit Identification and Structure Based Approaches to Cancer Drug Discovery**  
*Martin Drysdale (Beatson Institute for Cancer Research, University of Glasgow)*
- 11.30- 12.00**      **Drugging the DNA Damage Response pathways**  
*Dr Niall Martin (ex-Kudos Pharma)*
- 12.00-12.30**      **Chemical Biology Research at the Broad**  
*Michael A. Foley, Director, Broad Institute, Boston*
- 12.30-13.30**      **LUNCH**

**KEYNOTE PRESENTATION**

*Chair: Prof Anita Maguire, University College Cork*

- 13:30 – 14:15**      **Cancer Drug Discovery Using Fragment-Based Methods**  
*Prof Steve Fesik (Vanderbilt University)*

**SHORT RESEARCH PRESENTATIONS**

- 14:15–14.35**      **Development of Novel and highly potent legumain Inhibitors for the treatment of Poor Prognosis Breast Cancer**  
*Dr Rich Williams (Queen's University Belfast)*
- 14.35-14.55**      **Design and synthesis of novel indolocarbazole derivatives as anti-cancer agents**  
*Dr. Florence McCarthy (University College Cork)*
- 14.55-15.15**      **Development of pyrrolo-1,5-benzoxazepines (PBOXs) as novel anti-cancer agents**  
*Dr Daniela Zisterer (Trinity College Dublin)*
- 15:15 – 15:45**      **TEA/COFFEE BREAK**

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**ANTIBODY AND BIOLOGICAL BASED-THERAPEUTICS**

Chair: to be confirmed

- 16:00 – 16.30**      **Strategies for biological targeting in head and neck cancer**  
*Dr Kevin Harrington (Institute of Cancer Research, London)*
- 16:30 – 17:00**      **A novel strategy for targeting metalloproteinases in cancer**  
*Prof Gillian Murphy (University of Cambridge)*
- 17:00 - 17:30**      **Targeting of Cathepsin S in Tumourigenesis**  
*Dr Chris Scott (Queen's University Belfast)*
- 17:30 - 18:00**      **The anti-tumour efficacy of the novel peptide inhibitor of angiogenesis ALM-201**  
*Dr Martin O'Rourke (Almac Discovery)*
- 18:00 - 18.15**      **A G Murphy, Education and Research Centre, St Vincent's University Hospital  
Development of novel anti-angiogenic compounds for colorectal cancer using  
a tumour explant model and zebrafish.**
- 18.15 - 18.30**      **M Mullooly, St. Vincent's University Hospital, St. Vincent's University Hospital  
Adams as new therapeutic targets for triple negative breast cancer**



*Supported by:  
The Department for Employment and Learning  
through its "Strengthening the all-Island Research Base" initiative*



## IRISH ASSOCIATION FOR CANCER RESEARCH – 3<sup>rd</sup> March 2011

ROCHESTOWN PARK HOTEL, CORK

- 08.30 – 08.45** *Welcome:* **Dr David Waugh, Honorary Secretary**
- 08.45 - 10.30** *Proffered Papers Session:*
- 08.45 - 09.00** **M Cronin**, Cork Cancer Research Centre, University College Cork, Cork, Ireland  
**Systemic Tumour Targeting With Orally Administered Non-Pathogenic Bacteria**
- 09.00 - 09.15** **J Lynch**, <sup>1</sup>Cancer Genetics, Royal College of Surgeons, Dublin  
**Mir-335 Suppresses The Migratory And Invasive Capacity Of Neuroblastoma Cells**
- 09.15 - 09.30** **A Redmond**, Nuclear Receptor Transcription, Cancer Research UK Cambridge Research Institute, Cambridge, UK  
**The role of the chromatin protein HMGB2 in estrogen driven breast cancer**
- 09.30 - 09.45** **S English**, UCD Conway Institute of Biomolecular and Biomedical Research, University College Dublin, Belfield, Dublin 4  
**Hypoxia in Epithelial Ovarian Cancer: Remodelling the Epigenome and Taxol® response.**
- 09.45 - 10.00** **A Michielsen**, Centre for Colorectal Disease, St. Vincent's University Hospital, Dublin  
**Bevacizumab Causes Inhibition Of Dendritic Cells And Is Associated With Patient Survival In Colorectal Cancer**
- 10.00 - 10.15** **NT Crawford**, CCRCB, Queens University Belfast, Belfast, N.Ireland  
**Identification Of The Transcriptional Complex Through Which Tbx2 Drives The Proliferation Of Breast Cancer Cells**
- 10.-15 - 10.30** **IS Babina**, Department of Surgery, Royal College of Surgeons in Ireland, Dublin  
**CD44 Affiliation With Lipid Rafts Is Associated With Decreased Motility Of Breast Cancer Cells**
- 10.30-11.00** **COFFEE/TEA/EXHIBITS**
- 11.00-12.30** **PLENARY SESSION I - CHROMATIN AND GENOMIC STABILITY**
- Chairpersons: Dr. Paul Mullan (CCRCB) and Dr. Leonie Young (RCSI)**
- 11.00-11.30** **Activation of the checkpoint kinase, Chk1, by cyclin-dependent kinase, CDK, and the Rad9 mediator protein**  
*Professor Noel F. Lowndes, Professor and Head of Department, National University of Ireland, Galway*
- 11.30-12.00** **Mechanisms of Estrogen Receptor transcription in breast cancer**  
*Dr. Jason Carroll, Nuclear Receptor Transcription Laboratory, Cancer Research UK Cambridge Research Institute, UK*



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**ROCHESTOWN PARK HOTEL, CORK**

**12.00-12.30 PLENARY SESSION I - CHROMATIN AND GENOMIC STABILITY Cont'd**

**Maintenance of Genomic Stability by Human Deubiquitinating Enzyme Complexes**

*Dr. Martin Cohn, Department of Biochemistry, University of Oxford, UK*

**12.30 - 13.40 Posters and Exhibits (Finger Buffet Lunch)**

**13.40 - 14.10 IACR AGM**

**14.10 - 15.00 EACR Young Scientists Presentations**

**14.10 – 14.30 SS McDade, Centre for Cancer Research and Cell Biology, QUB, Belfast, UK  
**ChIP-seq identifies p63 target genes involved in palatal fusion and EMT****

**14.30 – 14.50 A. Pickard, CCRCB, QUB, Belfast, United Kingdom  
**The Stromal Function Of The Retinoblastoma Protein In Controlling Differentiation And Cancer Cell Invasion****

**15.00-16.00 Oral Posters Presentations (8 talks x 7 mins)**

**AC Cichon**, Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, Northern Ireland

**The Cell Non-Autonomous Effects Of Pten**

**LC Oram**, Centre for Cancer Research and Cell Biology, Queens University Belfast, Belfast, UK

**BRCA1 is a master regulator of breast cell fate through co-ordinated activation of a Notch signalling program.**

**C Walsh**, Endocrine Oncology Research Group, Royal College of Surgeons in Ireland, Dublin 2

**The role of the developmental protein HOXC11 in breast cancer tumour adaptability**

**S Dasgupta**, Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, N. Ireland

**ADAM-17 is a key regulator of ErbB survival response in colorectal cancer.**

**P Dunne**, CCRCB, Queen's University Belfast, Belfast, Northern Ireland

**Oncogenic Kras Controls Chemotherapy-Induced Growth Factor Shedding By Inducing Mek And Erk-Mediated Activation Of Adam17 In Colorectal Cancer**

**M Cotter**, Breast Cancer Research Group, St. Vincent's University Hospital, Dublin  
**Poly (ADP-Ribose) Polymerase 1: A New Target for the Treatment of Triple Negative Breast Cancer**



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**15.00-16.00 Oral Posters Presentations (8 talks x 7 mins) Cont'd**

**J Lysaght**, Surgery, Trinity College Dublin, Dublin, Ireland  
**The human omentum is a rich source of activated inflammatory CD4<sup>+</sup> and CD8<sup>+</sup> T cells, with a potential pathological role in oesophageal adenocarcinoma development.**

**M Prencipe**, UCD School of Medicine and Medical Science, UCD Conway Institute of Biomolecular and Biomedical Research and Mater Misericordiae University Hospital, University College Dublin  
**Mechanisms of docetaxel resistance in prostate cancer: is NFkB involved?**

**16.00-16.30 COFFEE/TEA**

**16.30-18.00 PLENARY SESSION II**

**INFLAMMATION, CYTOKINES AND THE MICROENVIRONMENT**

**Chairpersons: Dr. Ann Hopkins (RCSI) and Prof Gerry O'Sullivan (Cork Cancer Research Centre)**

**16.30-17.00 TMEM: A new direction in the pathological assessment of metastatic risk in breast cancer**  
*Dr. Joan Jones, Weill College of Medicine, Cornell University, New York*

**17.00-17.30 'Macrophages without SOCS block inflammation but drive aggressive cancers**  
*Professor Jim Johnston, Centre for Infection and Immunity, Queen's University Belfast*

**17.30-18.00 EACR STATE OF THE ART LECTURE**

**"Drosophila models for tumour-related inflammation and Colorectal Cancer"**  
*Dr. Marcos Vidal, The Beatson Institute, University of Glasgow*

**18.05-19.30 Main Poster Session/Exhibits with Sponsored Wine/Canapé Reception**  
*(Kindly sponsored by Labplan)*

**20.00 Buffet Dinner**  
*(Kindly Sponsored by Irish Cancer Society)*



**IRISH ASSOCIATION FOR CANCER RESEARCH – 4<sup>th</sup> March 2011**  
**ROCHESTOWN PARK HOTEL, CORK**

**08.15-10.00 Proffered Papers Session**

**08.15-08.30** **N Lynam-Lennon**, Department of Surgery, Trinity College Dublin, Dublin, Ireland  
**MicroRNA-31 modulates tumour sensitivity to radiation in oesophageal cancer**

**08.30-08.45** **Donley C**, School of Pharmacy, Queen's University Belfast, 97 Lisburn Road, Belfast  
**The Role of FKBPL and RBCK1 in Oestrogen Receptor Signalling**

**08.45-09.00** **AJ Eustace**, Molecular Therapeutics for Cancer Ireland, National Institute for Cellular Biotechnology, Dublin 9  
**Dasatinib overcomes acquired temozolomide resistance in metastatic melanoma cell lines.**

**09.00-09.15** **J O'Keefe**, <sup>1</sup>Biochemistry Dept, University College Cork  
**HRG-1, a Heme-Binding Protein with Enhanced Expression in Colorectal adenocarcinoma and Essential for Endosomal Trafficking of Nutrient Transporters**

**09.15-09.30** **GM Kelly**, Department of Biochemistry, University College Cork, Cork, Ireland  
**Insulin-like Growth Factor I Receptor Tyrosine Kinase activation is regulated by GSK-3 $\beta$  mediated phosphorylation of serine 1248 in the C terminal tail.**

**09.30-09.45** **M McDermott**, National Institute for Cellular Biotechnology, Dublin City University, Glasnevin, Dublin 9, Ireland  
**Eukaryotic elongation factor 2 in acquired lapatinib resistance in HER2 positive breast cancer cells**

**09.45-10.00** **LR Barkley**, National Centre for Biomedical Engineering Science, National University of Ireland, Galway, Galway, Ireland  
**Direct Control Of CDC7 and DBF4 by MIR-29**

**10.00-10.30** *Coffee/Exhibits*

**10.30-12.30** **Plenary Session III**  
**SIGNALLING CUES AND THE REGULATION OF CELL FATE**

**Chairpersons: Dr. Sharon McKenna (UCC) and Dr Dan Longley (QUB)**

**10.30-11.00** **Molecular Insights into Mammalian Autophagy**  
*Dr. Sharon Tooze, Secretary Pathways Laboratory, Cancer Research UK London Research Institute, London, UK*

**11.00-11.30** **Lysosomal control of cancer cell invasion and survival**  
*Marja Jäättelä, Professor and Head of Department, Institute of Cancer Biology, Copenhagen, Denmark*

**11.30-12.00** **Many ways to TRAIL receptor signalling regulation by chemotherapeutic drugs**  
*Olivier Micheau, Oncology Research Group Leader, INSERM, Dijon, France*



**IRISH ASSOCIATION FOR CANCER RESEARCH – 4<sup>th</sup> March 2011**  
**ROCHESTOWN PARK HOTEL, CORK**

- 12.00-12.30**      **2 proffered papers (2 x 15 minutes)**
- 12.00-12.15**      **L O' Leary**, Department of Biochemistry, National University of Ireland, Galway,  
**Generation Of Decoy Receptor Insensitive Trail Variants**
- 12.15-12.30**      **F Furlong**, UCD School of Medicine and Medical Science, University College Dublin  
**Stabilisation of MAD2 Expression Through Inhibition Of MIR-433; A Novel Mechanism For Restoring Chemo-Responsiveness In Ovarian Tumours**
- 12.30-13.30**      **Posters/Exhibits & Finger Buffet Lunch**
- 13.30-15.30**      **Plenary Session IV**
- BIOMARKERS FOR CANCER DIAGNOSIS AND TARGETED THERAPY**
- Chairpersons: Grace Callagy (NUIG) and Lorraine O'Driscoll (TCD)**
- 13.30-14.00**      **“Genomic studies of drug resistance in ovarian cancer”**  
*Dr. James Brenton, Functional Genomics of Ovarian Cancer Laboratory, Cancer Research UK Cambridge Research Institute, University of Cambridge*
- 14.00-14.30**      **Aberrations of the miRNome in human cancer: Causes and Consequences**  
*Dr. Muller Fabbri, Department of Molecular Virology, Immunology and Medical Genetics, Comprehensive Cancer Center, Ohio State University, Columbus*
- 14.30-15.00**      **MicroRNAs and the DNA damage response: the relevance for cancer**  
*Professor Erik Wiemer, Department of Medical Oncology, Josephine Nefkens Institute, Erasmus University, Rotterdam, The Netherlands*
- 15.00-15.30**      **Biomarker Discovery and Validation for Prostate Cancer Grade and Stage: Addressing the Clinical Dilemma**  
*Professor William Watson, Conway Research Institute, University College Dublin*
- 15.30-16.00**      **TEA/COFFEE**
- 16.00-16.30**      **BIOMARKERS FOR CANCER DIAGNOSIS AND TARGETED THERAPY CONT'D**
- “Cancer Biomarkers: From Pilot Studies to Clinical Utility“**  
*Professor Joe Duffy, Department of Biochemistry, St Vincent's Hospital, Dublin*



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**16.30-17.30      PLENARY SESSION V**

**ENERGY, METABOLISM AND CANCER SESSION**

**Chairperson: Jacintha O’Sullivan (TCD)**

**16.30-17.00      Professor Giuseppe Matarese, Laboratorio di Immunologia, Istituto di Endocrinologia e Oncologia Sperimentale, Consiglio Nazionale delle Ricerche, Napoli, Italy**

**17.00-17.30      “Molecular factors linking obesity with cancer”**  
*Dr Graham Pidgeon, Institute of Molecular Medicine, Trinity College Dublin*

**17.35              IRISH CANCER SOCIETY LECTURE**

**Introduced by:      Mr John McCormick, Chief Executive Officer,  
Irish Cancer Society**

**Deconstructing Tumour Suppression and Oncogenesis to Find  
Effective Ways to Kill Cancer Cells**

*Professor Gerard Evan, Head of Department and Sir William Dunn  
Professor, Department of Biochemistry, University of Cambridge*

**20.00              Gala Dinner**

**Including Award Ceremony:**

**Presentation of Merck-Serono Graduate Travel Awards**

**EACR Young Scientist Awards and IACR Young Scientist Awards**

**Followed by Band and Late Bar**