

## PROGRAMME:

# Trinity St. James's Cancer Institute: 11<sup>th</sup> International Cancer Conference 2019

## “Advances and Future Directions in Personalised Medicine”

**24<sup>th</sup>-25<sup>th</sup> September 2019**

*Trinity Translational Medicine Institute*

*St. James's Hospital*

### **DAY 1 – 24<sup>th</sup> September**

8.30 – 9.00am REGISTRATION plus Tea/Coffee

9.00 – 9.20am Welcome address and official opening

**SESSION 1:** ***Molecular classification of tumours: its importance in the cancer care pathway of patients***

**Chairs:** **Maeve Lowery, Stephen Finn**

9.20 **Dr. Janessa Laskin** Medical Oncologist, BC Cancer Agency *‘Personalized Oncogenomics: Integrating State of the Art Genomic Technology into Cancer Care’*

9.45 **Dr. Daniel Renouf** Medical Oncologist, BC Cancer Agency *‘Precision Medicine in Pancreatic Cancer: The New Standard of Care?’*

10.10 **Prof. David Gallagher** Medical Oncologist, TSJCI *‘Clinical Cancer Genetics and colorectal cancer’*

10.35 Proffered paper: **Dr. Gerard Brien**, Research Fellow Smurfit Institute of Genetics, Trinity College Dublin *‘Developing personalised approaches to cancer treatment in the genomics era’*

10.50 Proffered paper: **Dr. Simon Furney**, Royal College of Surgeons, Ireland. *‘Personalised tracking of response to neoadjuvant chemoradiotherapy in locally advanced rectal cancer patients’*

11.05 – 11.35 Coffee Break and Poster Viewing

**SESSION 2: *Cancer Risk Factors and Prevention***

**Chairs: John O'Leary, Barry O'Connell**

11.35 **Dr. Brid Ryan**, Stadtman Investigator, Laboratory of Human Carcinogenesis, Centre for Cancer Research, NCI, USA. *Dopamine Signaling in Lung Cancer: Implications for Cancer Prevention and Therapy*

12.05 **Prof. Richard Sullivan**, Kings Health Partners Institute of Cancer Policy and Global Health

12.35 **Dr. Amanda Cross**, Reader in Cancer Epidemiology and Prevention, School of Public Health and the Department of Surgery and Cancer, Imperial College London. *Colorectal cancer: prevention requires shared responsibility*

13.05 Proffered paper: **Dr. Maeve Mullooly**, Royal College of Surgeons, Ireland.

13.20 Proffered paper: **Dr. Marie McIlroy**, Royal College of Surgeons, Ireland. 'Association of serum androgens with recurrence in an endocrine treated breast cancer patient cohort'

13.35 – 14.20 Lunch and Poster Viewing

**SESSION 3: *Tumour Microenvironment***

**Chairs: Jacintha O'Sullivan, Elisabeth Vandenberghe**

14.20 **Prof. Adrian Harris**. CRUK Prof of Medical Oncology, University Department of Oncology, Weatherall Institute of Molecular Medicine, John Radcliffe Hospital. *Breast cancer and new aspects of glutamine metabolism: metformin, exosomes, hormone resistance*

14.50 **Prof. Johanna Joyce**. Ludwig Institute for Cancer Research, Lausanne. *Exploring and Exploiting the Tumour Microenvironment*

15.20 **Dr. Ingo Ringhausen**, Consultant Haematologist and Principal Investigator, Cambridge Stem Cell Institute. *Targeting tumour-stroma cells to improve therapies in B cell malignancies*

15.50 Proffered paper: **Dr. Rachel Bleach**, Royal College of Surgeons Ireland. 'Androstenedione mediated metabolic alterations in aromatase inhibitor resistant breast cancer'

16.05 Proffered paper **Dr. Mark Ward**, Trinity College Dublin. 'Influence of platelets and neutrophils on Circulating Tumour Cells (CTCs)'

16.20 – 16.40 Coffee break and poster viewing

- 16.40 Introduction to Burkitt awardee
- 16.50 Burkitt Lecture: **Prof. Mina J. Bissell**, Distinguished Scientist, Biological Systems and Engineering Division, Lawrence Berkeley National Laboratory, California.
- Why Don't We Get More Cancer: The critical role of extracellular matrix and microenvironment in malignancy and dormancy*
- 19.00 Conference dinner/presentation of 2019 Burkitt Medal: Dining Hall, Trinity College Dublin Front Square [additional to registration fee]

**DAY 2 – 25<sup>th</sup> September**

**SESSION 4: *Advances in Immunotherapy***

**Chairs: Michael McCarthy, Cliona O'Farrelly**

- 9.00 **Dr. Seth Coffelt**, Snr Research Fellows, Cancer Research UK Beatson Institute, Glasgow. *Uncovering targets on gd T cells to mitigate metastasis*
- 9.30 **Prof. Lorenzo Galluzzi**, Assistant Professor of Cell Biology in Radiation Oncology, Weill Cornell Medical College, NY. *Autophagy modulation as an example of precision cancer (immuno)therapy*
- 10.00 **Prof. Guillem Argilés**, Clinical Investigator, Vall d'Hebron University Hospital, Barcelona, Spain. *New Immunotherapy strategies in mCRC*
- 10.30 Proffered paper: **Dr. Roisin Loftus**, Trinity College Dublin 'Dietary choices influence natural killer cell responses in obesity'.
- 10.40 Proffered paper: **Dr. Maria Davern**, Trinity College Dublin 'A potential role for immune checkpoint inhibitors in combination with chemotherapy for treating oesophageal adenocarcinoma patients'
- 10.50 – 11:20 Coffee break and Poster viewing

**SESSION 5: *Molecular agents in Radiation Oncology; Future Directions***

**Chairs: Lorraine O'Driscoll, Frances Duane**

- 11.20 **Dr. Jonathan Coulter**, Senior Lecturer in Nanotherapeutics, School of Pharmacy, Queen's University Belfast. *Development and pre-clinical validation of dual-function radiation modulating nanoparticles – successes and challenges*
- 11.50 **Dr. Conchita Vens**, Clinical Radiobiologist, Netherlands Cancer Institute. *Towards radiotherapy and DNA repair inhibitor combinations: challenges and opportunities*

- 12.20 **Prof Gerry Hanna**, Associate Professor and Director of Radiation Oncology, Peter MacCallum Cancer Centre/University of Melbourne. *Novel and Drug and Radiotherapy Combinations – Back to the Future?*
- 12.40 Proffered paper: **Dr. Adriele Prina-Mello**, Usher Assistant Professor in Translational Nanomedicine, Trinity College Dublin ‘Development for physically triggered nanotechnology-based medicines as radiosensitisers: the golden era!’
- 12.55 Proffered paper: **Dr. Aisling Heeran**, Trinity College Dublin. ‘Radiation induced bystander effect (RIBE) induction using human *ex vivo* explants induces significant changes in the tissue secretome, immune cell function and bystander cellular metabolism”
- 13.10 – 14.30 Lunch and poster viewing/judging
- SESSION 6: Academic Cancer Centres**
- Panel: John Kennedy, Lorcan Birthistle, Linda Doyle, Susan O’Reilly**
- 14.30 **Prof. Rene Medema**, Director of Research, Chairman Board of Directors, Netherlands Cancer Institute, Amsterdam. *Challenges for a Comprehensive Cancer Center; bridging basic and clinical research*
- 15.00 **Dr. Jerome Coffey**, Director of National Cancer Control Programme. *Academic Cancer Centres: The NCCP Perspective*
- 15.30 **Prof. Paul Browne**, Director of Trinity St. James’s Cancer Institute. *Trinity St. James’s Cancer Institute: Update and Future Plans*
- 16.00 Panel Discussion
- 16.30 Concluding session followed by awards ceremony
- 17.00 – 18.00 Reception