

INSTITUTE OF MOLECULAR MEDICINE

DRAFT Programme



17TH IMM ANNUAL MEETING

CANCER

FRIDAY NOVEMBER 7TH 2014
THE DURKAN LECTURE THEATRE
TRINITY CENTRE ST JAMES'S HOSPITAL

INSTITUTE OF MOLECULAR MEDICINE

DRAFT Programme

8.15 am

REGISTRATION

SESSION 01

CANCER

Chairs:

*Professor John O'Leary, Professor of Histopathology, Trinity College Dublin;
Professor John Kennedy, Clinical Professor of Medicine, Trinity College Dublin,
Consultant Oncologist, St. James's Hospital Dublin*

9.00 am

OPENING of MEETING

Professor Padraic Fallon

**Stokes Professor of Translational Immunology,
Interim Director, Institute of Molecular Medicine, Trinity College Dublin**

9.15 am

11th INSTITUTE of MOLECULAR MEDICINE LECTURE

Professor John Reynolds

**Professor John Reynolds, Professor of Surgery, Trinity College Dublin and St James's
Hospital, Principal Investigator, Institute of Molecular Medicine, Trinity College Dublin**

"Tending the Bridges between Surgery and Science"

10.00 am

the Donal Hollywood Memorial Lecture

Professor Michael Baumann

**Professor of Radiation Oncology, Director University Cancer Centre and Chairman
OncoRay-Centre for Radiation Research in Oncology, Medical Faculty and University Hospital Carl
Gustav Carus, University of Technology Dresden**

"Perspectives of biological individualized high precision radiation oncology"

11.00 am

COFFEE

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SESSION 02

INFECTION and CANCER

Chairs: *Professor Orla Sheils, Professor in Molecular Pathology and Director of Medical Ethics, Dept. Histopathology, Director of Postgraduate Research, Trinity College Dublin; Professor Deirdre McNamara, Associate Professor and interim Head, Dept. Clinical Medicine, AMNCH, Consultant Gastroenterologist, AMNCH, Trinity College Dublin*

11.30am

Professor Colm Bergin

Clinical Professor of Medicine, Trinity College Dublin, Consultant Physician in Infectious Diseases, St. James's Hospital Dublin, Associate Director of Clinical Research, Wellcome/HRB Research Facility (SJH and TCD)

"Infection, Immunology and Cancer: Investigating the interface"

12.00 pm

Dr Cara Martin

Associate Professor in Molecular Pathology and Tumour Biology, Molecular Pathology research Group, Dept. Pathology, The Coombe Women and Infants University Hospital and Trinity College Dublin

"Cervix and head & neck HPV associated cancers - comparative insights"

Oral Presentations - Ph.D Category

12.30 pm

1. Jamie O'Sullivan, Haemostasis Research Group

N-Linked Glycans within Von Willebrand Factor A1A2A3 domains play a critical role in modulating VWF clearance via macrophages

2. Andrea Petrasca, Immunology Group

Human V δ ²⁺ γ δ T cells promote differentiation of B cells into effector cells that release antibody and IL-4 and stimulate alloreactive T cell proliferation

3. James Phelan, Dept. Surgery

Elucidating the link between metabolism, hypoxia, inflammation, p53 and obesity in Barrett's Oesophagus

4. Kieran Crosbie-Staunton, Nanomedicine Group

Screening of Multifunctional Magnetic Iron Oxide Nanoparticles for Theranostic Applications

13.00 hrs

**LUNCH
Poster Session**

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SESSION 03

INNOVATIONS and TECHNOLOGIES

Chairs: *Dr Jacintha O'Sullivan, Associate Professor, Dept. Surgery, Principal Investigator, Surgery Research Group, Trinity College Dublin; Dr Adriele Prina-Mello, Senior Research Fellow, School of Medicine, Principal Investigator, AMBER/CRANN, Trinity College Dublin*

14.00 hrs

Professor Ian Cree

Yvonne Carter Professor of Pathology, Warwick Medical School, Hon. Consultant Pathologist, University Hospital, Coventry and Warwickshire NHS Trust

“Progress in early cancer detection”

14.30 hrs

Professor Stephen Finn

Associate Professor and Consultant Pathologist, Dept. Histopathology, Trinity College Dublin, and St James's Hospital Dublin

“Next generation sequencing for clinical applications: Hopes and Hurdles”

Oral Presentations - Research Fellow Category

15.00 pm 1. **Melissa J Conroy, Dept. Surgery**

Specific recruitment of Th1 and Th17 cells to the liver and viscera adipose tissue of obesity associated cancer patients

2. **Frederick Sheedy, TB Immunology Group**

The Mal/TRAP S180L polymorphism affects susceptibility to tuberculosis through regulation of host IFN γ -dependent responses

3. **Alice M Coughlan, renal Inflammation Group**

Comparison of human myeloid engraftment in three immunodeficient strains of mice

SESSION 04

TUMOUR INFLAMMATION and IMMUNOLOGY

Chairs: *Dr Derek Doherty, Associate Professor of Immunology, Head, Dept. Immunology, Trinity College Dublin; Dr Joanne Lysaght, Ussher Lecturer, Assistant Professor, Dept. Surgery, Trinity College Dublin*

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15.30 hrs

Professor Paul Browne

**Professor Paul Browne, Head, School of Medicine, Professor of Haematology,
Trinity College Dublin, Consultant Physician, St. James's Hospital Dublin**

“Therapeutic innovation in myeloma: a model for the cancer-immunology interface”

16.00 hrs

Dr Claire Gardiner

Associate Professor of Biochemistry, Trinity College

“Metabolic reprogramming of Natural Killer immune cells – how can we exploit this”

16.30 hrs

COFFEE (Poster Viewing)

SESSION 05

State-of-the-art Lecture

Chairs: Professor Shaun McCann, Professor Emeritus of Haematology and Academic Medicine, St James's Hospital and Trinity College Dublin; Professor Aideen Long, Principal Investigator, Institute of Molecular Medicine, Dean of Graduate Studies, Trinity College Dublin.

17.00pm

Speaker

Professor Richard Kennedy

**Centre for Cancer Research and Cell Biology
Queen's University Belfast**

“Development of gene expression based biomarkers for cancer patient care”

18.00 hrs

POSTER COMPETITION Prizes and Photographs

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19.00 hrs

RECEPTION

Stone Building