

**Irish Radiation Research Society Conference**  
**Institute of Technology, Sligo**  
**Friday 30<sup>th</sup> September 2011**

10.30 – 10.55 Registration/ Reception, Main Foyer, Administration Building, IT Sligo

10.55 – 11.00 Welcome from Dr John Bartlett, Head of Research, IT Sligo

**11.00 – 12.35 *Session 1 - Room A0008 (Chair: Dr James Brennan)***

11.00 – 11.45 *Guest speaker*

Professor Philip Walton, Emeritus Professor of Applied Physics, NUI Galway  
**Nuclear Power for Ireland: Facts and Fiction**

11.45 – 12.20 A Research Strategy for RPII, 2011-2013

Lorraine Currivan, Radiological Protection Institute of Ireland

12.20 – 12.35 Targeting Breast Cancer Stem Cells with FKBPL and Its Therapeutic Peptide Derivative, AD-01.

Lana McClements, Queens University Belfast

**12.35 – 13.45 Lunch - Administration Building**

**(13.00 – 13.45 Irish Radiation Research Society AGM 2011)**

**13.45 – 15.15 *Session 2 - Room A0008 (Chair: Dr John Bartlett)***

13.45 – 14.30 *Guest speaker*

Professor Mark Birch-Machin, Newcastle University, UK  
**Stressed out mitochondria- implications for photo-ageing and skin cancer**

14.30 – 14.45 Induction of DNA damage response pathways in primary normal human epidermal melanocytes exposed to long-wavelength UVA radiation

Sarah Conmy, NUI Galway

14.45 – 15.00 Investigating the involvement of p54nrb, a multi-functional RNA-splicing factor, in the UV DNA damage response pathway

Aoife Corduff, NUI Galway

15.00 – 15.15 Is the Target Dose Distribution Conserved with the Use of IGRT in Prostate Cancer?  
Rajasekar David, University Hospital Galway

**15.15 – 15.35 *Coffee Break- Administration Building***

**15.35 – 16.50 *Session 3 - Room A0008 (Chair: Dr Jerry Bird)***

15.35 – 16.20 *Guest speaker*

Professor Carmel Mothersill, McMaster University, Canada

**Emerging issues in radiobiology – the impact of non-targeted effects**

16.20 – 16.35 Genes Expressed in a Radiation Induced Bystander Effect  
Hayley Furlong, Dublin Institute of Technology

16.35 – 16.50 Investigation of intercellular signaling cascades in cells treated with irradiated cell conditioned medium  
Kishore Kumar Jella, Dublin Institute of Technology

**16.50 – 17.00 Close of meeting and awarding of student prizes**