

# 4<sup>th</sup> International Conference on Oncological Engineering

15-16 March 2015

Weetwood Hall · Leeds

## Sunday 15 March

15:00-15:45 Registration and coffee

15:45-16:30 **Keynote Speaker Prof Nadrian Seeman : University of New York**

*DNA: Not Merely the Secret of Life*

16:30-16:45 Coffee Break

16:45-17:15 **Dr Paul Beales : University of Leeds**

*The Application of DNA-lipid Conjugates for the Design of Multi-compartment Drug Carriers for Nanomedicine*

17:15-18:15 'Flash' poster presentations

18:15-19:30 CRUK poster competition and drinks reception

19:30-21:30 Conference dinner

## Monday 16 March

08:30-08:45 Arrival and coffee

08:45-10:15 **ULTRASOUND**

**Dr James McLaughlan** : University of Leeds

*Combining Light and Sound for Early Cancer Detection and Therapy*

**Prof Sandy Cochran** : University of Dundee

*PDT and PCI (Photochemical Internalisation)*

**Prof Adrian Podoleanu** : University of Kent

*Optical Coherence Tomography (OCT) Technology*

10:15-10:30 Coffee Break

10:30-11:30 **DNA NANOTECHNOLOGY AND BIOCHEMISTRY**

**Prof NguyenThanh** : University College London

*Nanoparticles for Cancer Therapy and Diagnosis*

**Prof Michael Hannon** : University of Birmingham

*Nanocylinders and Nanoparticles as Anti-tumour Drugs and Imaging Agents*

11:30-12:15 **Keynote speaker Assoc Prof Tze Wah : University of Leeds**

*Interventional Oncology: Past, Present And Future*

12:15-13:15 Lunch

13:15-14:15 **RADIOLOGICAL INTERVENTIONS**

**Prof Vicky Goh** : Kings College London

*Functional Imaging Assessment of Oncological Treatment*

**Dr Peter Littler** : University of Newcastle upon Tyne

*Image Guided Oncological Treatment with Irreversible Electroporation (IRE)*

14:15-15:00 **Keynote speaker Prof Brian Wilson : University of Toronto**

*Photo Oncology: Optics-enabled Cancer Theranostics*

15:00-15:15 Coffee Break

15:15-16:45 **PHOTODYNAMIC DIAGNOSTICS AND THERAPIES**

**Prof Sandy MacRobert** : University College London

*PDT and its Combination with Chemotherapy*

**Dr Melissa Bovis** : University College London

*Photochemical Internalisation (PCI) for the Treatment of Pancreatic Cancer*

**Prof Ross Boyle** : University of Hull

*Antibody-Porphyrin Conjugates for use In Targeted PDT*

16:45-17:00 Summary and Close

enquiries to Sarah King [s.king@leeds.ac.uk](mailto:s.king@leeds.ac.uk)