

4th 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

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