

4th International Conference on



ncological ngineering

15 -16 March 2015

**Bringing together engineers, scientists and clinicians
to explore novel ideas in the field of oncology**



Colorectal Therapies

Healthcare Technology Co-operative

in association with

UNIVERSITY OF LEEDS

Keynote speakers

Prof. Nadrian Seeman

New York University

Prof. Brian Wilson

University of Toronto

Assoc. Prof. Tze Wah

University of Leeds

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<http://www.eventbrite.co.uk/e/4th-oncological-engineering-conference-tickets-14598812441>



www.engineering.leeds.ac.uk/surgical-technologies

Research Themes

DNA Nanotechnology and Biochemistry

DNA nanotechnology promises to translate advances in nanotechnology, nanoparticles and nanorobots to bring improvements in oncological treatments. This theme will consider new technologies which exploit advances in DNA nanotech/biochemistry.

Photodynamic Diagnostics and Therapies

Photodynamic diagnostics and therapies promise exciting opportunities for real-time intra-operative identification of tumours and targeted treatments. This theme will consider the technology used to deliver PDD/T and their clinical evaluation.

Radiological Interventions

Interventional radiology uses minimally invasive techniques to diagnose and treat patients which were once only possible through surgical interventions. This theme focuses on the technology, methods and outcomes of modern radiological interventions for cancer.

Ultrasound

Ultrasound is instrumental in cancer treatment. Current clinical practice uses ultrasound extensively for imaging to aid assessment and diagnosis. This is complemented by new technology to use US for interventions. We welcome contributions across this range, from early stage research to reports on established clinical applications of US.

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