

## Image Guided Therapies Network+ Triannual Meeting

Hosted by University of Dundee  
31 October – 1 November 2018

### 31 October

#### Facility Tours

- 12:00 – 14:00 School of Science & Engineering Campus  
*Fulton Building, University of Dundee, DD1 4HN*  
Tour led by Dr Nikola Krstajic ([n.krstajic@dundee.ac.uk](mailto:n.krstajic@dundee.ac.uk))
- 14:00 – 15:00 Clinical Research Centre – *Ninewells Hospital Dundee*  
Tour led by Mrs Baljit Jagpal ([b.jagpal@dundee.ac.uk](mailto:b.jagpal@dundee.ac.uk))
- 15:00 – 16:00 Image Guided Therapy Research Facility  
*Institute for Medical Science and Technology (IMSaT)*  
*Wilson House, 1 Wurzburg Loan, Dundee DD2 1FD*  
Tour led by Mr Andrew Dennison ([a.p.dennison@dundee.ac.uk](mailto:a.p.dennison@dundee.ac.uk))

#### Ian Donald Lecture

- 16:00 – 17:00 Professor Sebastien Ourselin, King's College London  
*Advances in Image Guided Technology for Fetal Therapy*  
*Gannochy Lecture Theatre, level 7 Ninewells*  
[open Invitation]
- Evening Ian Donald Dinner [by invitation only]

## 01 November

### Tri-Annual IGT Network+ Meeting, University of Dundee

*Gannochy Lecture Theatre, Level 7 Ninewells Hospital Dundee*

- 10:00      **Registration opens** (Hang Posters, Displays)  
*Promenade area Level 7 Ninewells*
- 10:00 – 11:00      **Network Management Group Meeting**  
[closed session – invitation only]  
*Teaching Room 4, Level 7 Ninewells Hospital, Dundee*
- 11:00 – 11:05      **Welcome from Professor Andreas Melzer**, *University of Dundee*
- 11:05 – 11:15      **Update from Professor Sebastien Ourselin**, *King's College London*
- 11:15 – 12.00      **Early Career Research Session** (8 min talk + 2 min Q&A)  
Chair: Ms K Ehrlich
- Mr Alexandru Moldovan, *University of Strathclyde*  
Exploration in miniature ultrasound devices for therapy with sonoporation
- Ms Helen Parker, *University of Edinburgh*  
Spectral Fibre Endoscope Imaging System for Enhanced Visualisation of Smartprobes
- Dr Roger Domingo-Roca, *University of Glasgow*  
The importance of bubble-wall interaction for physiologically relevant simulations of ultrasound-mediated targeted drug delivery
- Mr Calum Ross, *Heriot-Watt University*  
Development and fabrication of confocal fibre-optic Raman probes using ultrafast laser assisted etching

- 12.00 – 12.30 **Research Talks** (10 min talk + 5 min Q&A)  
Chair: Professor A Melzer
- Prof Tracey Wilkinson, *University of Dundee*  
Thiel embalmed cadavers – “changing the simulation landscape”
- Dr Nikola Krstajic, *University of Dundee*  
Endoscopic microscopy and image guidance
- 12:30 – 14:00 **Lunch & Poster Session**  
*Promenade area Level 7 Ninewells*
- 14:00 – 14:50 **Industry & Translational Research** (20 min talk + 5 min Q&A)  
Chair: Professor S Ourselin
- Dr Christophe Portal, *Head of Chemistry and c-Met Portfolio Project  
Leader at Edinburgh Molecular Imaging*  
EMI-137 Colorectal Cancer Optical Agent: From Unmet Clinical Need  
to Clinical Studies
- Professor Kev Dhaliwal, *PROTEUS Hub Team Leader*  
Translational Biophotonics – Pathways, Opportunities and Challenges
- 14:50 – 15:20 **Research Talks** (10 min talk + 5 min Q&A)  
Chair: Professor A Melzer
- Dr Michael MacDonald, *University of Dundee*  
How to make a tractor beam or a sonic screwdriver from your Exablate
- Dr Sankar P Andiappa, *University of Dundee*  
Developments and Benefits of Image Guided practice in clinical  
radiotherapy
- 15:20 – 15:45 **Coffee Break & Posters Session**  
*Promenade area Level 7 Ninewells*
- 15:45 – 16:15 **IGT Award Talks** (10 min talk + 5 min Q&A)  
Chair: Professor S Ourselin
- Professor Richard Bayford, *University of Middlesex*  
New PoC Award: Real-time tissue characterisation and mapping using  
electrical impedance imaging: towards impedance imaging for brain  
tumour resection guidance

Dr Prabhu Radhakrishna, *Robert Gordon University*  
PoC Award Feedback: Development of a Multi-functional Fibre Optic  
Probe for MR-Guided Surgical Procedures

16:15 – 16:45 **Plenary Talk** (30 min + 5 min Q&A)  
Chair: Professor A Melzer

Professor Terry Peters, *Western University, Ontario Canada*  
IGT research in London Ontario

16:45 – 17:00 **Poster Prize and Final Words**  
Prof Andreas Melzer