

Sydney Imaging Launch and Symposium



THE UNIVERSITY OF
SYDNEY



Friday April 6th, 2018
Charles Perkins Centre
University of Sydney

The University of Sydney's Core Research Facilities provide researchers with the infrastructure, tools and technical support to achieve research excellence. To celebrate the launch of one of our newest facilities, join us for the **Sydney Imaging Symposium**, where you can learn about this significant investment in the local biomedical imaging landscape, and the outstanding infrastructure and support capabilities now openly available to researchers.

Proceedings include a program of research lectures featuring local and international leaders in the imaging community, as well as on-site facility tours.

Please see below for more detailed information, and [click here](#) to register your attendance (RSVP by 23 March 2018).



Sydney Imaging

1st Annual Symposium Program

Charles Perkins Centre Lecture Theatre



- 11.30 – 11.45 **Symposium Welcome** – Prof. Fernando Calamante, Director, Sydney Imaging
Acknowledgement of Country
- 11.45 – 12.25 **Keynote Lecture** - Prof. Joe Woo, Stanford University
“The Ultra-Hybrid Convergence of Science, Engineering, Surgery, and Interventions to Cure Cardiovascular Disease”
- 12.25 – 13.05 **Keynote Lecture**- Prof. Stuart Grieve, University of Sydney
“The path toward quantitative imaging in medicine... lost in translation?”
- 13.05 – 14.00 **Lunch & Tours of Facilities**
- 14.00 – 14.40 **Keynote Lecture**- Prof. Kristy Brock, MD Anderson Cancer Centre
“Advancing the Integration of Imaging in Surgery, Interventional Radiology, and Radiation Oncology”
- 14.40 – 15.20 **Keynote Lecture** – Prof. Paul Keall, University of Sydney
*“Patient-connected imaging:
Clearer, faster and safer medical images of the dynamic human body”*
- 15.20 – 16.00 **Tea Break**
- 16.00 – 16.40 **Keynote Lecture** – Prof. Pia Maly Sundgren, Lund University
“Imaging treatment response in brain tumors”
- 16.40 – 17.20 **Keynote Lecture** – Prof. Steve Meikle, University of Sydney
*“The incredible shrinking and expanding PET:
New tools for translational molecular imaging”*
- 17.20 – 17.30 **Closing Remarks** – Prof. Simon Ringer, Director, Core Research Facilities
- 17.30 – 18.30 **Drinks & Canapés**

For more information

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SYDNEY IMAGING SYMPOSIUM

KEYNOTE SPEAKER

Prof. Joe Woo M.D., Stanford University, USA

Joseph Woo serves as the Norman E. Shumway Professor and Chair of the Department of Cardiothoracic Surgery at the Stanford University School of Medicine. He has helped to advance the field of complex valve repair and has developed several innovative new mitral and aortic valve operations. Prof. Woo has served as PI for several clinical device trials as well as translational scientific clinical trials entailing administration of stem cells during coronary artery bypass grafting and LVAD implantation. He has also co-authored over 220 peer-reviewed publications and is an Associate Editor for the *Journal of Thoracic and Cardiovascular Surgery*. He continues an active clinical practice and has been recognized in the San Francisco Magazine as one of the region's Top Doctors since 2015.

[Prof. Joe Woo](#)



SYDNEY IMAGING SYMPOSIUM

KEYNOTE SPEAKER

**Prof. Stuart Grieve, University of Sydney,
Australia**

Stuart Grieve is a clinician/scientist dedicated to the application of cutting-edge imaging techniques to understand, diagnose and treat chronic diseases of the heart and brain. His work spans basic science, computational methods, clinical trials, clinical translation and strong partnerships with the healthcare industry. He is the Parker Hughes Professor of Radiology at the University of Sydney and a consultant radiologist at Royal Prince Alfred Hospital. He also holds clinical appointments at Macquarie University, Sydney Adventist and Epworth Hospitals. He is the leader of the Sydney Translational Imaging Laboratory at Heart Research Institute & Charles Perkins Centre and the Academic Director of the Imaging CoreLab, Macquarie University.

[Prof. Stuart Grieve](#)



SYDNEY IMAGING SYMPOSIUM

KEYNOTE SPEAKER

A/Prof. Kristy Brock

MD Anderson Cancer Centre, USA

Kristy Brock received her doctorate in nuclear engineering and radiological sciences from the University of Michigan in 2003. After earning her degree, she joined the faculty of the University of Toronto and the Radiation Medicine Program at Princess Margaret Hospital. In 2012, she returned to the University of Michigan Department of Radiation Oncology, where she currently also holds an appointment as associate professor with tenure. Brock's work focuses on developing biomechanical models for cancer diagnosis, image-guided therapies and treatment response assessment.

[Prof. Kristy Brock](#)



SYDNEY IMAGING SYMPOSIUM

KEYNOTE SPEAKER

Prof. Paul Keall, University of Sydney, Australia

Paul Keall is a Professor in the Sydney Medical School, an NHMRC Senior Principal Research Fellow and the Director of the ACRF Image X Institute at the University of Sydney. His team of scientists, clinical partners and international collaborators create, share and apply novel cancer imaging and targeted radiotherapy methods. Several of these innovations have been translated to clinical practice for improved health care. Outputs from his research include multiple bench-to-bedside clinical trials, 270 scientific publications, 20 patents, 8 licenses and three start-up companies. His work is funded primarily by competitive government research grants and he works closely with industry to apply his research output, and has 25 current and completed industrial research agreements. He is an editorial board member for several journals in the radiation oncology field and participates in professional activities and committees of the American Association of Physicists in Medicine and the American Society for Radiation Oncology.

[Prof. Paul Keall](#)



SYDNEY IMAGING SYMPOSIUM

KEYNOTE SPEAKER

**Prof. Steven Meikle, University of Sydney,
Australia**

Steven Meikle is Professor of Medical Imaging Physics and Head of the Imaging Physics Laboratory at the Brain and Mind Centre. He undertakes research into factors affecting the quantitative accuracy of molecular imaging techniques such as single photon emission computed tomography (SPECT) and positron emission tomography (PET), as well as development of instrumentation and computational methods for pre-clinical imaging. Steven is a Fellow of the Australian Institute of Physics, a Senior Member of the IEEE and a Visiting Professorial Fellow at the Centre for Medical Radiation Physics at the University of Wollongong. He serves on the International Advisory Board of the journal Physics in Medicine and Biology, the ANSTO Life Sciences Advisory Committee and is Co-Director of the Ramaciotti Imaging Centre at the Brain and Mind Centre.

[Prof. Steve Meikle](#)



SYDNEY IMAGING SYMPOSIUM

KEYNOTE SPEAKER

Prof. Pia Maly Sundgren
Lund University, Sweden

Pia Maly Sundgren is Head of the Department of Radiology at Lund University in Sweden. Her research focuses on treatment response and treatment effects in brain tumours. Special focus is early prediction and monitoring treatment response in brain tumours using advanced MR imaging techniques and parametric response maps analysis. Another related area is treatment related effect such as pseudo-progression and radiation injury secondary to brain radiation and how these changes can be differentiated from true tumour progression. Prof. Sundgren has published over 140 papers and reviews, over 200 scientific abstracts, three books and several book chapters and has given close to 300 international invited lectures and workshops worldwide.

[Prof. Pia Sundgren](#)

