

NST4Health 2019

From technology to oncology, accelerators for better health: **New radiation protocols for the fastest recovery**

Saturday 25 May 2019

Program	
8.30 – 9.00	Registration
9.00 – 9.20	Welcome and Opening Remarks Dr. Simone Richter Group Executive, ANSTO
Session 1: National Strategies Session Chair: Prof. Marie-Claude Gregoire Health Research Leader, ANSTO	
9.20 – 9.50	KEYNOTE: Verity Ahern Director, Sydney West Radiation Network and Crown Princess Mary Cancer Centre Westmead Hospital <i>Title: The Australian scene, current and future, in radiotherapy</i>
9.50 – 10.20	KEYNOTE: Koji Noda Director General, National Institute of Radiological Sciences (NIRS) Japan <i>Title: Heavy-ion Radiotherapy system in Japan</i>
10.20 – 10.35	Presenter Gary Egan Director, Monash Biomedical Imaging, Monash University <i>Title: Emerging needs and opportunities for accelerator based production of therapeutic medical radioisotopes.</i>
10.35 – 10.50	Presenter Michael Penniment Clinical Director, Australian Bragg Centre project / Director Radiation Oncology, Royal Adelaide Hospital <i>Title: Ensuring the Australian Bragg Centre drives the national approach to particle therapy treatment and research</i>
10.50 – 11.10	Morning tea
Session 2: Combined Therapy and Protocols Session Chair: Prof. Marie-Claude Gregoire Health Research Leader, ANSTO	
11.10 – 11.40	KEYNOTE: Gerry Hanna Director of Radiation Oncology, Peter MacCallum Cancer Centre <i>Title: Drug and Proton Therapy Combinations: Who, Why, What, Where, When and How?</i>
11.40 – 11.55	Presenter Michael Barton Scientia Professor of Radiation Oncology, UNSW <i>Title: Who needs an MR linac?</i>
11.55 – 12.10	Presenter Sandra G. Biedron Research Professor of Electrical and Computer Engineering, University of New Mexico <i>Title: DOE workshop on Compact Accelerators for Security and Medicine: Initial findings and planned activities</i>
12.10 – 12.55	Lunch and Networking
Session 3: Radiation Biology Session Chair: A/Prof. Tomas Kron Director of Physical Sciences, Peter MacCallum Cancer Centre	
12.55 – 1.10	Presenter Aaron Tremaine Department Head, Accelerator Technology Research SLAC <i>Title: SLAC accelerator technology for oncology</i>
1.10 – 1.25	Presenter Melanie Ferlazzo Cancer Research Center of Lyon <i>Title: Space Radiation and radiobiology challenges- Application of the ATM nucleoshuttling theory for space exploration</i>

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1.25 – 1.40	Presenter Olga Martin A/Prof., Peter MacCallum Cancer Centre <i>Title: Cancer radiotherapy: Understanding the price of tumour eradication</i>
1.40 – 1.55	Presenter Michael Jackson Director of Radiation Oncology, Prince of Wales Hospital <i>Title: Radiotherapy – not just for cancer</i>
1.55 – 2.15	Afternoon tea
Session 4: Dose Delivery and Optimization Session Chair: A/Prof. Tomas Kron Director of Physical Sciences, Peter MacCallum Cancer Centre	
2.15 – 2.45	KEYNOTE: Suzanne Sheehy Senior Lecturer, Medical Accelerator Physics, Oxford University <i>Title: New accelerator developments for medicine</i>
2.45 – 3.00	Presenter Daniel Hausermann Principal Scientist, ANSTO <i>Title: Image guided synchrotron micro-beam radiotherapy: How close are we?</i>
3.00 – 3.15	Presenter Price Jackson Diagnostic Imaging Physicist Peter MacCallum Cancer Centre <i>Title: Personalisation of Targeted Radionuclide Therapies through Imaging: Assessing Dosimetry and Routes to Predicting Outcomes</i>
3.15 – 3.30	Presenter Mitra Safavi-Naeini Imaging Quantification Research Leader, ANSTO <i>Title: NCEPT: Neutron Capture Enhanced Particle Therapy</i>
3.30 – 3.35	Closing Remarks Marie-Claude Gregoire Health Research Leader, ANSTO
3.35 – 4.30	Cheese and wine networking

ANSTO LOCATION

Australian Synchrotron
NCSS Auditorium
800 Blackburn Road,
Clayton, VIC 3168

PHONE

+61 2 9717 9770

EMAIL

nst4health@ansto.gov.au

SOCIAL



WEBSITE

www.nst4health2019.melbourne