

**MMND ITRO 2018  
PROGRAM**

Mantra Mooloolaba-Beach, Queensland Australia, February 6<sup>th</sup>-11<sup>th</sup>  
2018



MMND ITRO 2018  
PROGRAM

Tuesday 6th February 2018

**MMND multidisciplinary (micro- nano-dosimetry, radiobiology, synchrotron  
MRT and EBRT, Monte Carlo Modelling)**

07:30-07:50	Registration
07:50-08:00	Introduction/Welcome Anatoly Rozenfeld/Tomas Kron /Michael Lerch
Physics in Heavy Ion Therapy (Microdosimetry) <i>Session chairs: Anatoly Rozenfeld, CMRP Rui Qiu, Tsinghua University</i>	
08:00–08:30	(Invited) Larry Pinsky <i>Update on the status of MEDIPIX in space and an introduction to the Timepix 2</i> University of Houston, USA
08:30–08:45	Kenta Takada <i>Evaluation of RBE-weighted doses for various radiotherapy beams based on a microdosimetric function implemented in PHITS</i> University of Tsukuba, Japan
08:45–08:55	Davide Bortot <i>Microdosimetry on nanometric scale with a new low-pressure avalanche-confinement TEPC</i> Politecnico di Milano, Italy
08:55-09:05	Davide Mazzucconi <i>A FPGA-based software for microdosimetric data processing</i> Politecnico di Milano, Italy
09:05-09:15	Anatoly Rozenfeld <i>Progress in Silicon microdosimetry and its applications</i> CMRP UOW
09:15-09:25	Jeremy Davis <i>Progress in diamond microdosimetry</i> CMRP UOW
09:25-09:30	Ben James <i>3D Sensitive Volume Microdosimeter with Improved Tissue Equivalency: Charge Collection Study and its Application in 12C Ion Therapy</i> CMRP UOW
09:30-09:35	Emily Debrot <i>Mini Beam C 12 therapy: simulations and first experimental results with SOI micro dosimeters</i> CMRP UOW

MMND ITRO 2018  
PROGRAM

<b>Radiobiology &amp; Monte Carlo Simulations</b> <i>Session chairs: Michael Lerch, CMRP; Larry Pinsky, University of Houston</i>	
09:35-10:00	<b>(Invited) Roger Martin</b> <i>Topical radioprotection of radiation induced oral mucositis</i> <b>Peter MacCallum CC</b>
10:00–10:30	<b>Morning Tea</b>
10:30-10:45	<b>Moeava Tehei</b> <i>Progress in Radiobiology</i> <b>CMRP UOW</b>
10:45-11:00	<b>Susanna Guatelli</b> <i>Recent developments in Geant4 for medical physics applications</i> <b>CMRP UOW</b>
11:00-11:15	<b>Dousatsu Sakata</b> <i>Development of truck structure models in GEANT 4 on nanometre scale gold</i> <b>CMRP UOW</b>
11:15-11:25	<b>Hilary Byrne</b> <i>Nanotheranostic Radio-Enhancement</i> <b>University of Sydney</b>
11:25-11:30	<b>David Bolst</b> <i>Modelling HIMAC biomedical beamline</i> <b>CMRP UOW</b>
11:30-11:50	<b>(Invited) Rui Qiu</b> <i>Latest development and applications of the Chinese reference phantoms</i> <b>Tsinghua University, Beijing, China</b>

MMND ITRO 2018  
PROGRAM

<b>Synchrotron Radiation</b> <i>Session chairs: Enbang Li, CMRP; Yoshinori Sakurai, Kyoto University</i>	
11:50-12:05	<b>Michael Lerch</b> <i>Progress in MRT research towards clinical implementation</i> <b>CMRP UOW</b>
12:05-12:20	<b>Olga Martin</b> <i>Localised synchrotron radiation in mice induced persistent systemic genotoxic events mediated by the functional immune system</i> <b>Peter MacCallum CC</b>
12:20-12:25	<b>Elette Engels</b> <i>Towards image guided MRT</i> <b>CMRP UOW</b>
12:25-12:30	<b>James Archer</b> <i>Fibre optic dosimetry in synchrotron microbeam radiation therapy</i> <b>CMRP UOW</b>
12:30 – 13:30	Lunch
<b>Space Dosimetry</b> <i>Session chairs: Dale Prokopovich, ANSTO; Kenta Takada, Uni Tsukuba</i>	
13:30–14:00	<b>(Invited) Taku Inaniwa</b> <i>Progress of the microdosimetric kinetic model in heavy-ion therapy</i> <b>National Institute for Quantum and Radiological Science and Technology, Japan</b>
14:00–14:15	<b>Larry Pinsky</b> <i>High Precision Track Geometry Calculation in Hybrid-Pixel Detectors</i> <b>University of Houston, USA</b>
14:15–14:25	<b>Stefania Peracchi</b> <i>Simulation of cosmic radiation spectra for personal microdosimetry at the International Space Station altitude</i> <b>CMRP UOW</b>
<b>Radiation Therapy</b> <i>Session chairs: Tomas Kron, Peter McCullum CC; Wolfgang Tome, AECM</i>	
14:25–14:45	<b>(Invited) Vladimir Feygelman</b> <i>Preview of AAPM Working Group recommendations for TPS reference dose specification</i> <b>Moffitt CC, USA</b>
14:45-15:00	<b>Nicholas Hardcastle</b> <i>The liver INSPECTR trial: towards improved understanding of liver function following radiotherapy.</i> <b>Peter MacCallum CC</b>

MMND ITRO 2018  
PROGRAM

15:00-15:30	Afternoon Tea
15:30-15:45	<p><b>Yang Wang</b>  <i>Characterisation Evaluation for Different QA techniques Clinically Used for IMRT, VMAT and SBRT/SRS Treatment Plan dosimetry verification</i>  <b>ICON-Cancer Care</b></p>
15:45-16:00	<p><b>Prabhakar Ramachandran</b>  <i>A comprehensive phantom with multi-detector inserts for Pre-treatment quality assurance in stereotactic ablative radiotherapy</i>  <b>Peter MacCallum CC</b></p>
<p style="text-align: center;"><b>MRI-LINAC</b>  <i>Session chairs: Peter Metcalfe, CMRP;  Grazia Gambarini , INFN</i></p>	
16:00 – 16:15	<p><b>Taghreed Al-Sudani</b>  <i>Build up dose characteristics with eXaSkin bolus during 6MV radiotherapy: MOSkin dosimetry results</i>  <b>CMRP UOW</b></p>
16:15 - 16:25	<p><b>Trent Causer</b>  <i>Characterization of monolithic silicon strip detectors for MRI-Linac dosimetry</i>  <b>CMRP UOW</b></p>
16:25- 16:35	<p><b>Natalia Roberts</b>  <i>Modelling the X-ray source for the Australian MRI-linac</i>  <b>CMRP UOW</b></p>
<p style="text-align: center;"><b>Boron Neutron Capture Therapy</b>  <i>Session chairs: Susanna Guatelli, CMRP;  Richard Maughan, University of Pennsylvania</i></p>	
16:35–16:55	<p><b>(Invited) Yoshinori Sakurai</b>  Fundamental knowledge for microdosimetry in boron neutron capture therapy  <b>Kyoto University, Japan</b></p>
16:55–17:15	<p><b>(Invited) Grazia Gambarini</b>  <i>BNCT Dosimetry: Peculiarities and Methods</i>  <b>University of Milan, Italy</b></p>
17:15–17:25	<p><b>James Vohradsky</b>  <i>Evaluation of silicon and diamond based microdosimetry for boron neutron capture therapy applications</i>  <b>CMRP UOW</b></p>
17:25–17:35	<p><b>Andrew Chacon</b>  <i>Neutron Capture Enhanced Particle Therapy: Opportunistic Dose Amplification via Capture of Thermal Neutrons Produced During Heavy Ion and Proton Therapy</i>  <b>CMRP UOW and ANSTO</b></p>



MMND ITRO 2018  
PROGRAM

Wednesday 7th February 2018  
**Brachytherapy Day**

07:30-07:50	Registration
07:50-08:00	Introduction and Welcome Anatoly Rozenfeld, Michael Zelefsky and Josh Yamada
<b>What is New In Brachytherapy?</b> <i>Session chairs: Josh Yamada MSKCC Michael Jackson POWH</i>	
08:00–08:30	<b>(Invited) Mira Keys</b> <i>20 minutes + 10 min QA/Discussion</i> <i>Why Brachytherapy? Implication on long term outcomes</i> <b>University of British Columbia, Vancouver, BC, Canada</b>
08:30–09:00	<b>(Invited) Michael Zelefsky</b> <i>Improving Dosimetric Outcomes of Prostate Cancer with Real Time Imaged-Based Feedback</i> <b>Memorial Sloan Kettering Cancer Center, New York</b>
09:00 – 09:40	<b>(Invited) Antonio Damato</b> <i>Advances in brachytherapy physics (30 min+10 min Q/A Discussions)</i> a. US/EM guidance b. Active MRI guidance <b>Memorial Sloan Kettering Cancer Center, New York</b>
09:40 – 10:00	<b>(Invited) Mauro Carrara</b> <i>New Trends in dose calculations, delivery and in vivo verification in brachytherapy (15 min+5 min Q/A Discussions)</i> <b>Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy</b>
10:00 – 10:30	<b>Morning Tea</b>
<b>Physics Innovations</b> <i>Session chairs: Anna Ralston St George CCC Mauro Carrara, National CC Milan</i>	
10:30 – 11:00	<b>(Invited) Antonio Damato</b> <i>Directional brachytherapy- (20 min + 10 min discussion/QA)</i> <b>Memorial Sloan Kettering Cancer Center, New York</b>
11:00 – 11:15	<b>Anatoly Rozenfeld</b> <i>BrachyView: new technology for online source tracking in brachytherapy</i> <b>CMRP UOW</b>
11:15 – 11:30	<b>Yu Sun</b> <i>Use of Contemporary imaging methods in brachytherapy applications</i> <b>University of Sydney</b>
11:30 – 11:40	<b>Taylah Brennen</b> <i>Eye brachytherapy: new technology for fast QA of eye plaques</i> <b>CMRP UOW</b>

**MMND ITRO 2018  
PROGRAM**

11:40 – 11:50	<b>Anna Romanyukha</b> <i>Gynaecological HDR BT applicator for treatment delivery and online QA verification of source dwell positions and times</i> <b>CMRP UOW</b>
11:50 – 12:00	<b>Dean Cutajar</b> <i>End to End (E2E) QA phantom for TRUS guide HDR brachytherapy</i> <b>CMRP UOW and SG CCC</b>
12:00 – 12:20	<b>(Invited) Prabhakar Ramachandra</b> <i>Brachytherapy utilising miniaturised X-ray tubes – An evolving technology</i> <b>Peter MacCallum Cancer Centre</b>
12:20 – 12:30	<b>Adam Yeo</b> <i>On line IGBT for prostate cancer ultrasound based real time solution</i> <b>Peter MacCallum Cancer Centre</b>
12:30 – 13:30	<b>Lunch</b>
<b>Debate: SBRT vs Brachytherapy for localised prostate cancer</b> <b>Session chairs: Michael Folkert, UT South Western Medical Centre</b> <b>Michael Jackson, POWH</b>	
13:30 – 14:00	<b>(Invited) Michael Zelefsky</b> <i>20 minutes + 10 min QA/Discussion</i> <b>Memorial Sloan Kettering Cancer Center, New York</b>
14:00 – 14:30	<b>(Invited) Mira Keyes</b> <i>20 minutes + 10 min QA/Discussion</i> <b>University of British Columbia, Vancouver, BC, Canada</b>
<b>Tumour Board: Challenging Cases</b> <b>Session chairs:</b>	
14:30 – 15:00	<b>Michael Zelefsky, Mira Keyes, Joe Bucci, Michael Folkert/other incl. local Doctors</b>
15:00 – 15:30	<b>Afternoon Tea</b>

**MMND ITRO 2018  
PROGRAM**

<b>Skin Brachytherapy:</b> <i>Session Chair: Bryan Burmeister Radiation Oncology Centres (ROS) Fraser Coast and Redland Australia</i>	
<b>15:30 – 16:00</b>	<b>(Invited) Chris Barker,</b> <i>New Approaches to Skin Cancer Brachytherapy</i> <b>MSKCC, New York</b>
<b>Partial Breast Brachytherapy</b> <i>Session chairs: Mira Keyes, University of British Columbia Joseph Bucci, St. George CCC</i>	
<b>16:00 – 16.25</b>	<b>(Invited) Sean Park</b> <i>Same Day Operation and Intraoperative Catheter placement for Partial Breast Irradiation (SONIC-PBI)</i> <b>Mayo Clinic, USA</b>
<b>16:25 – 16:50</b>	<b>(Invited) Michael Folkert</b> <i>Ablative interstitial high-dose rate brachytherapy for localised visceral primary and metastatic lesions</i> <b>UT Southwestern Medical Center, USA</b>



MMND ITRO 2018  
PROGRAM

Thursday 8th February 2018

**Particle Therapy Day**

<b>Advanced Heavy Ion and Proton Therapy Technology</b> <i>Session chairs: Anatoly Rozenfeld, CMRP</i> <i>Michael Jackson, POWH</i>	
07:30-08:00	Registration
08:00 – 8:25	<b>(Invited) Koji Noda</b> <i>Recent progress and future plan of heavy-ion-cancer radiotherapy with HIMAC</i> <b>National Institute for Quantum and Radiological Science and Technology, Japan</b>
08:25 – 8:50	<b>(Invited) Richard Maughan</b> <i>Recent Developments at the University of Pennsylvania's Roberts Proton Therapy Center</i> <b>Penn University, USA</b>
08:50 – 9:15	<b>(Invited) Zuofeng Li, IBA</b> <i>Image-Guided Adaptive Proton Therapy</i> <b>IBA: Proton Therapy Center, Florida University, USA</b>
09:15 – 9:40	<b>(Invited) Masumi Umezawa Hitachi</b> <i>Recent developments in Hitachi's Hybrid Therapy Solution</i> <b>Hitachi</b>
09:40 – 10:00	<b>(Invited) Mauro Carrara</b> <i>Italian medical physicists' and radiation oncologists' view on hadron therapy</i> <b>Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy</b>
10:00 – 10:30	<b>Morning Tea</b>
<b>QA in Proton Therapy and Treatment Optimization</b> <i>Session chairs: Carl Rossi, Scripps Proton Therapy Center,</i> <i>Tomas Kron, Peter MacCallum Cancer Centre</i>	
10:30 – 10:45	<b>Irena Gudowska</b> <i>Out-of-field doses associated with proton therapy</i> <b>Stockholm University, Stockholm, Sweden</b>
10:45 – 11:00	<b>Tina Pfeiler</b> <i>4D Robust optimization in pencil beam scanning proton therapy for hepatocellular carcinoma</i> <b>The West German Proton Therapy Centre Essen, Germany</b>
11:00 – 11:15	<b>Jed Johnson</b> <i>Efficient patient-specific QA for spot-scanned proton therapy using nozzle-integrated detectors and fast Monte Carlo dose calculations</i> <b>Mayo Clinic, USA</b>
11:15 – 11:30	<b>(Invited) Roberto Sacchi</b> <i>Test of innovative silicon detectors for the monitoring of a therapeutic proton beam</i> <b>University of Pavia, Italy</b>

**MMND ITRO 2018  
PROGRAM**

11:30 – 11:45	<b>Daniel Mundy</b> <i>Development of the Dose Magnifying Glass for clinical proton range measurements</i> <b>Mayo Clinic, USA</b>
11:45-12:10	<b>(Invited) Marco Silari</b> <i>GEM detectors for use in particle therapy</i> <b>CERN</b>
12:10-12:30	<b>(Invited) Benjamin Clasié</b> <i>Installation of a compact comprehensive proton therapy unit via an elevator shaft into existing standard radiotherapy centre</i> <b>MGH, USA</b>
12:30 – 13:30	<b>Lunch</b>
<b>Imaging with Protons and Ions</b> <i>Session chairs: Marie-Claude Gregoire, ANSTO</i> <i>Scott Penfold, RAH</i>	
13:30 – 13:55	<b>(Invited) Katia Parodi</b> <i>Ionoacoustics for range monitoring of proton therapy</i> <b>LMU Munich, Germany</b>
13:55 – 14:20	<b>(Invited) Taiga Yamaya</b> <i>In-beam OpenPET imaging for RI beams</i> <b>National Institute for Quantum and Radiological Science and Technology, Japan</b>
14:20 – 14:45	<b>(Invited) Katia Parodi</b> <i>Prompt gamma range monitoring of proton therapy status and perspectives</i> <b>LMU Munich, Germany</b>
14:45 – 15:00	<b>Melek Zarifi</b> <i>In-vivo range verification in hadron therapy using prompt gamma rays: A Geant4 simulation study</i> <b>CMRP UOW</b>
15:00 – 15:30	<b>Afternoon Tea</b>
15:30 – 15:45	<b>Brad Oborn</b> <i>MRI guided proton therapy: current status of development</i> <b>CMRP UOW</b>
15:45 – 16:00	<b>Mitsutaka Yamaguchi</b> <i>Simulation study on imaging of a monochromatic carbon beam by measuring secondary electron bremsstrahlung</i> <b>National Institute for Quantum and Radiological Science and Technology, Japan</b>

MMND ITRO 2018  
PROGRAM

16:00 – 16:20	<p><b>(Invited) Dieter Roehrich</b></p> <p><i>The Bergen proton CT project – proton tracking in a high-granularity digital tracking calorimeter</i></p> <p><b>University of Bergen, Norway</b></p>
<p style="text-align: center;"><b>Australian Proton Therapy Project</b></p> <p style="text-align: center;"><i>Session chairs: Koji Noda, National Institute for Quantum and Radiological Science and Technology;</i></p> <p style="text-align: center;"><i>Verity Ahern, The Crown Princess Mary CC Westmead</i></p>	
16:20 – 16:40	<p><b>(Invited) Michael Penniment</b></p> <p><i>Australian Proton Therapy Project</i></p> <p><b>Royal Adelaide Hospital, South Australia</b></p>
16:40 – 16:55	<p><b>Scott Penfold</b></p> <p><i>Dual Energy yCBCT for adaptive proton therapy: A feasibility study</i></p> <p><b>Royal Adelaide Hospital, South Australia</b></p>
<p style="text-align: center;"><b>Fundamental Physics of Ions Interaction and New Accelerator Technology in Particle Therapy</b></p> <p style="text-align: center;"><i>Session chairs Igor Bray, Curtin University;</i></p> <p style="text-align: center;"><i>Dale Prokopovich, ANSTO</i></p>	
16:55-17:10	<p><b>(Invited) A.S. Kadyrov</b></p> <p><i>Comprehensive approach to hadron interactions with matter</i></p> <p><b>Curtin University, Perth Western Australia</b></p>
17:10-17:25	<p><b>Edward Simpson</b></p> <p><i>Nuclear reaction cross sections for Hadron therapy</i></p> <p><b>ANU, Canberra ACT</b></p>
17:25-17:50	<p><b>(Invited - Special Closing) Suzie Sheehy</b></p> <p><i>Can novel accelerator technology improve proton/ion therapy?</i></p> <p><b>Oxford University, UK</b></p>
17:50-18:00	<p><b>Anatoly Rozenfeld</b></p> <p><i>Close and future meeting</i></p> <p><b>CMRP UOW</b></p>

MMND ITRO 2018  
PROGRAM

Saturday 10th February 2018  
**ITRO Day 1**

07:00-07:30	Registration
07:30 – 07:35	Introduction/Welcome Anatoly Rozenfeld/Josh Yamada
BrainLab Sponsored Stereotactic Session/CNS Session chairs: John Fiveash Josh Yamada	
07:35– 08:00	(Invited) John Fiveash <i>What's new in CNS Radiosurgery? – Cranial Integrating surgery and radiosurgery in the treatment of brain metastases</i> University Hospital Birmingham USA
08:00 – 08:25	(Invited) Josh Yamada <i>What's new in CNS Radiosurgery: Radiosurgery for benign spine conditions</i> MSKCC, NY USA
08:25 – 08:45	(Invited) John Fiveash <i>How many is too many for radiosurgery alone</i> University Hospital Birmingham USA
08:45 – 09:05	(Invited) Josh Yamada <i>The Impact of Dose in the Management of Spine Metastases with Radiosurgery: Update of the MSKCC Experience</i> MSKCC, NY USA
09:05 – 09:25	(Invited) John Fiveash/Josh Yamada/Matthew Foote Interesting/Challenging Case discussions University Hospital Birmingham/MSKCC, NY USA/Princess Alexandra Hospital Qld
09:25 – 09:40	Morning Tea/Exhibits
Skin Session chairs: Chris Barker Jimmy Caudell	
09:40 – 10:30	Chris Barker/Jimmy Caudell <i>What's new in Skin Radiation Therapy (40 min with 10 min for questions/discussion)</i> MSKCC, NY/Moffitt Cancer Center, USA
10:30 – 10.45	Bryan Burmeister <i>(15 min including discussion/questions)</i> Radiation Oncology Centres (ROC), Fraser Coast and Redland Australia
10:45 – 11:00	Gerald Fogarty <i>(15 min including discussion/questions)</i> Genesis Cancer Care, Australia

MMND ITRO 2018  
PROGRAM

11:00 – 11:15	<b>Barker/Caudell/Local MDs</b> <i>Interesting/Challenging Case discussions</i> <i>(15 min including discussion/questions)</i> <b>MSKCC, NY/Moffit Cancer Center, USA</b>
11:15 – 11:30	<b>Break/Exhibits</b>
<b>GI</b> <i>Session chairs: Laura Dawson</i> <i>Michael Folkert</i>	
11:30 – 12:20	<b>Laura Dawson/Michael Folkert</b> <i>What's new in GI RT</i> <i>(40 min with 10 min for questions/discussion)</i> <b>Princess Margaret Cancer Centre, Canada/MSKCC, NY, USA</b>
12:20 – 12:37	<b>Laura Dawson</b> <i>Topic of choice</i> <i>(12 min + 5 min discussion/questions)</i> <b>Princess Margaret Cancer Centre, Canada</b>
12:37 – 12:54	<b>Michael Folkert</b> <i>Topic of choice</i> <i>(12 min + 5 min discussion/questions)</i> <b>MSKCC, NY, USA</b>
12:54 – 13:10	<b>Laura Dawson/Michael Folkert/Local MDs</b> <i>Interesting/Challenging Case discussions</i> <b>Princess Margaret Cancer Centre, Canada/MSKCC, NY, USA</b>
13:10 – 14:00	<b>Lunch</b>
<b>Head and Neck</b> <i>Session chairs: Jimmy Caudell</i> <i>Michael Barton</i>	
14:00 – 14:50	<b>Jimmy Caudell/Michael Barton</b> <i>What's new in HN RT</i> <i>(40 min + 10 min discussion/questions)</i> <b>Moffit Cancer Center/Ingham Institute</b>
14:50 – 15:07	<b>Jimmy Caudell</b> <i>Conventional re-irradiation versus SBRT for locoregionally recurrent H&amp;N Cancer.</i> <i>(12 min + 5min discussion/questions)</i> <b>Moffit Cancer Center, USA</b>
15:07 – 15:24	<b>Michael Barton</b> <i>Topic of choice</i> <i>(12 min + 5min discussion/questions)</i> <b>Ingham Institute</b>

**MMND ITRO 2018  
PROGRAM**

<b>15:24 – 15:40</b>	<b>Jimmy Caudell/Michael Barton/Michael Jackson</b> <i>Interesting/Challenging Case Discussions</i> <b>Moffit Cancer Center/Ingham Institute/POWH Australia</b>
<b>15:40 – 15:55</b>	<b>Afternoon Tea/Exhibits</b>
<b>GU</b> <i>Session chairs: Mira Keyes</i> <i>Michael Folkert</i>	
<b>15:55 – 16:45</b>	<b>Mira Keyes/Michael Folkert</b> <i>What's new in GU Radiation Therapy</i> <i>(40 min + 10 min discussion/questions)</i> <b>University of British Columbia, Canada/MSKCC, NY, USA</b>
<b>16:45 – 17:02</b>	<b>Mira Keyes</b> <i>Topic of choice</i> <i>(12 min + 5min discussion/questions)</i> <b>University of British Columbia, Canada</b>
<b>17:02 - 17:19</b>	<b>Michael Folkert</b> <i>Toxicity Reduction for SBRT and HDR Brachytherapy in</i> <i>Prostate Cancer - Spacers and Beyond</i> <i>(12 min + 5min discussion/questions)</i> <b>MSKCC, NY, USA</b>
<b>17:19 – 17:35</b>	<b>Mira Keyes/Michael Folkert/Joseph Bucci</b> <i>Interesting/Challenging Case discussions</i> <b>University of British Columbia, Canada/MSKCC, NY, USA/STG</b> <b>CCC, Kogarah, Australia</b>
<b>17:35</b>	<b>Adjourn</b>
<b>19:30</b>	<b>ITRO Faculty Dinner</b>



MMND ITRO 2018  
PROGRAM

Sunday 11th February 2018

**ITRO Day 2**

Particle Therapy Session chairs: Verity Ahern Michael Jackson	
07:30-08:00	Registration
08:00– 08:25	(Invited) Carl Rossi <i>What's new in charged particle therapy</i> Scripps Proton Therapy Center, USA
08:25 – 08:50	(Invited) Hiroshi Tsuji <i>What's new in charged particle therapy</i> NIRS Japan
08:50 – 09:05	(Invited) Carl Rossi <i>Topic of choice</i> Scripps Proton Therapy Center, USA
09:05 – 09:20	(Invited) Hiroshi Tsuji <i>Topic of choice</i> NIRS Japan
09:20 – 09:35	(Invited) Hiroshi Tsuji/Carl Rossi/Verity Ahern <i>Interesting/Challenging Case discussions</i> NIRS Japan/Scripps Proton Therapy Center, USA/Crown Princess Mary Cancer Centre Australia
09:35 – 09:50	Morning Tea/Exhibits
ITRO Physics/Applied Technology Session Session chairs: Lois Holloway Anatoly Rozenfeld	
09:50–10:10	Wolfgang Tome <i>MRI-ONLY Radiation Therapy workflow for abdomen</i> AESM, USA
10:10–10:30	Vladimir Feygelman <i>Quality of Head and Neck plans-Where we are and does it matter</i> Moffitt CC, USA
10:30–10:50	Anatoly Rozenfeld <i>Innovations in QA for stereotactic radiotherapy: CMRP development and clinical implementation</i> CMRP UOW
10:50–11:10	Tomas Kron <i>SBRT in clinical trials: what QA is required and how can it be done?</i> Peter MacCallum Cancer Centre
11:10-11:30	Paul Keall <i>MRI-Linac: overview of Australian program</i> RRL, University of Sydney

**MMND ITRO 2018  
PROGRAM**

<b>11:30-11:50</b>	<b>Peter Metcalfe</b> <i>Bespoke dosimeters for MRI linac</i> <b>CMRP UOW</b>
<b>11:50 – 12:50</b>	<b>Lunch</b>
<b>Immunotherapy: A Primer</b> <i>Session chairs: Chris Barker</i> <i>Chandan Guha</i>	
<b>12:50 – 13:15</b>	<b>Chandan Guha</b> <i>RT and Immunotherapy</i> <b>Montefiore Medical Center, NY, USA</b>
<b>13:15 – 14:00</b>	<b>Chris Barker</b> <i>Combining Radiotherapy and Immunotherapy for Cutaneous Melanoma: Safety, Efficacy, Future Directions</i> <b>MSKCC, NY, USA</b>
	<i>RT Immunotherapy: toxicity and cautions:</i> <b>MSKCC, NY, USA</b>
<b>14:00 – 14:20</b>	<b>Chris Barker/Chandan Guha</b> <i>Interesting/Challenging Cases in RT Immunotherapy</i> <b>MSKCC/Montefiore Medical Center, NY, USA</b>
<b>Special Topic: Regeneration and RT</b> <i>Session chairs:</i>	
<b>14:20 – 14:55</b>	<b>Chandan Guha</b> <i>Regeneration and RT</i> <b>Montefiore Medical Center, NY, USA</b>
<b>Closing Remarks / Adjourn</b> <b>Anatoly Rozenfeld/Josh Yamada</b>	