Pre-Conference Symposium - Adelaide Hills Convention Centre, Hahndorf

08:50 | Introduction Prab Takhar, SAHMRI
Session 1 Chairs: Prab Takhar and Associate Professor Hossein Javadar
09:00 | Strengthening Research by Crossing Disciplines Professor Ian Oliver, AM, University of South Australia Cancer Research Institute
09:35 | Targeted therapy / National Particle Therapy Centre Dr Peter Gorayski, Royal Adelaide Hospital
09:55 | ARTnet trial update and nuclear medicine collaboration Associate Professor Roslyn Francis, Sir Charles Gairdner Hospital Nuclear Medicine/ WA PET Service
10:15 | ENETs Centre of Excellence, from both PMCC and Unicorn foundation perspective. Dr Grace Kong, Peter MacCallum Cancer Centre, Simone Leyden, Unicorn Foundation Australia
10:35 | Translational Theranostics Dr Johannes Czernin, MD, David Geffen School of Medicine, UCLA, USA
10:55 | Morning Tea
Session 2 Chairs: Dominic Mensforth and Dr Johannes Czernin
11:15 | AdNET: New Agents, New technology and how these will change patients management with the future management of Dementia Professor Christopher Rowe, Austin Health, University of Melbourne
11:35 | Imaging network initiatives in the UK in the AI era Professor Vicky Goh, King’s College London, UK
11:55 | Overview of the current status in TAT around the world Professor Eva Bezak, University of South Australia
12:15 | Theranostics in Clinical Practice – Case Studies and Clinical Trials GenesisCare Dr Nat Leno Clinical Director, GenesisCare Oncology (Theranostics)
12:35 | BioMed city: Networks and Collaborations Mr. Dirk Beelen Director Europe Department for Trade, Tourism and Investment
12:45 | Telix Pharmaceutical – Development Pipeline Christian Behrenbruch, Telix Pharmaceuticals Ltd
Session 3 Chairs: Associate Professor Roslyn Francis and Dr Gabrielle Cehic
13:00 | Panel Session
Nigel Quadros, Queen Elizabeth Hospital; Johannes Czernin, UCLA; Vicky Goh, King’s College; Ian Oliver, University of South Australia; Grace Kong, Peter MacCallum Cancer Centre; Christian Behrenbruch, Telix Pharmaceuticals Ltd; Simone Leyden, Unicorn Foundation Australia
13:30 | Lunch
14:30 | Bus transfers to Adelaide Convention Centre 16:00 | Opening Plenary Adelaide Convention Centre

ANZSNM ASM - Adelaide Convention Centre

15:00 | Registration
OPENING PLENARY 16:00-17:45 Chair: Dominic Mensforth
16:00 | Welcome Dominic Mensforth - Hall L
16:10 | Official Opening Professor Caroline McMillen, Chief Scientist South Australia
16:10 | Imaging Molecular Targets. Professor Dale Bailey, Royal North Shore Hospital, University of Sydney
16:55 | Plenary 2: European perspective on Theranostics, Professor Jolanta Kunikowska, President-Elect, EANM
17:45 | Welcome Reception - Hall M/N
19:00 | Tech’s Gathering - West Oak Hotel
19:30 | AANMS Fellows’ Dinner - Penfold’s Magill Estate
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Location</th>
<th>Chairs/Co-chairs</th>
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</thead>
<tbody>
<tr>
<td>07:00</td>
<td>Concurrent breakfast sessions: ANSTO - City Room 1; Breakfast session: GE Healthcare - City Room 4</td>
<td>Hall L, City Room 1</td>
<td>Doug Smyth, Dale Bailey</td>
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<tr>
<td>08:30</td>
<td>Plenary 3: Overcoming resistance to radioligand therapy. Dr Johannes Czernin David Geffen School of Medicine, UCLA, USA</td>
<td>City Room 2</td>
<td>David Geffen School of Medicine, UCLA, USA</td>
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<td>09:15</td>
<td>Plenary 4: Alpha particle targeted radionuclide therapy of cancer. Associate Professor Hassein Javari, University of Southern California, USA</td>
<td>City Room 4</td>
<td>Hassein Javari, University of Southern California, USA</td>
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<td>10:00</td>
<td>Morning tea - Hall M/N</td>
<td>City Room 4</td>
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<tr>
<td>10:30-12:00 Concurrent sessions 1A - 1D</td>
<td>City Room 1</td>
<td>Paul Roach</td>
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<tr>
<td>1A Technologists' Symposium 1 - RADPHARM Technologist Case Presentation Award*</td>
<td>City Room 1</td>
<td>Katherine Guerrero, David Thomas</td>
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<tr>
<td>119</td>
<td>10:30</td>
<td>Treating an Autistic Child with Radioiodine for Thyroid Cancer. Victoria Sigalas, Women's and Children's Hospital</td>
<td>City Room 1</td>
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<tr>
<td>1B AANMS Symposium - AANMS Registrars' Award*</td>
<td>City Room 1</td>
<td>Daniel Badger, Kevin Hickson</td>
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<tr>
<td>134</td>
<td>10:45</td>
<td>The impact of coronary calcium score on clinical management of patients at risk of ischemic heart disease</td>
<td>City Room 1</td>
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<tr>
<td>177</td>
<td>11:00</td>
<td>Correlation of metabolic parameters on 18F-FDG PET with recurrence in patients with resected lung metastases from colorectal carcinoma</td>
<td>City Room 1</td>
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<tr>
<td>102</td>
<td>11:30</td>
<td>Triple threat: treatment targeting for malignant mixed Mullerian tumours. Madeline Buttrfield, Benson Radiology *</td>
<td>City Room 1</td>
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<tr>
<td>150</td>
<td>11:40</td>
<td>No needle to fear: An approach to needle phobic patients. Lauren Hudswell, Monash Health *</td>
<td>City Room 1</td>
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<tr>
<td>155</td>
<td>11:50</td>
<td>The utility of 18F-FET in conjunction with PET/MRI for the imaging of malignant primary brain tumours. Loren Katchel, Princess Alexander Hospital Queensland Health *</td>
<td>City Room 1</td>
</tr>
<tr>
<td>171</td>
<td>12:00</td>
<td>Many brains make light work. Jordan Reynolds, Hunter New England Local Health District Nuclear Medicine and Pet Imaging *</td>
<td>City Room 1</td>
</tr>
<tr>
<td>187</td>
<td>12:30</td>
<td>Prevalence of transthyretin (ATTR) cardiac amyloidosis in the Australian population estimated using 99mTc-hydroxyethylidiphosphonate and 99mTc-methylene diphosphonate planar bone scans. Claire Cascaden, The Royal Brisbane and Women's Hospital *</td>
<td>City Room 1</td>
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<tr>
<td>190</td>
<td>13:15</td>
<td>Comparing PSMA PET/CT and MRI with biopsy findings in the initial diagnosis of prostate malignancy. Felix Paterson, Dr Jones and Partners Medical Imaging *</td>
<td>City Room 1</td>
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<tr>
<td>193</td>
<td>13:30</td>
<td>NEMA-NU 2-2012 Validation of a Geant4 Model of In-Beam PET for Heavy-Ion Therapy. Abdellah M Ahmed, Australian Nuclear Science and Technology Organization</td>
<td>City Room 1</td>
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<tr>
<td>197</td>
<td>13:45</td>
<td>Automated synthesis of [64,67Cu]Cu-SARTATE on Modular-Lab PharmTracer. Kevin Kuan, South Australian Health and Medical Research Institute *</td>
<td>City Room 1</td>
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<tr>
<td>198</td>
<td>14:00</td>
<td>Dose optimisation for the administration of FDG in paediatric whole body PET studies. Ben Crouch, South Australian Medical Imaging</td>
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<td>202</td>
<td>14:15</td>
<td>Targeting Fn14 as a therapeutic target for cachexia reprograms the glycolysis pathway in tumour-bearing mice. Ingrid Burvenich, Olivia-Newton John Cancer Research Institute *</td>
<td>City Room 1</td>
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<td>206</td>
<td>14:30</td>
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<td>209</td>
<td>14:45</td>
<td>Non-invasive immunoPET imaging of treatment-induced tumour cell death using radiolabelled APOmAB*. Vasilios Liapis, Translational Oncology Group</td>
<td>City Room 1</td>
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### 14:45-15:30: Concurrent sessions 2A - 2D

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<th>Chair(s)</th>
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<tbody>
<tr>
<td>2A</td>
<td>Technologists’ Symposium 2 - Curium Award*</td>
<td>Amber Bidner, Travis Pearson, Sponsor GMS</td>
<td>City Room 1</td>
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<tr>
<td>2B</td>
<td>AANMS Symposium</td>
<td>Chair: Peter Collins, Ben Crouch</td>
<td>City Room 2&amp;3</td>
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<td>2C</td>
<td>Physics Symposium 2</td>
<td>Chair: Peter Collins, Ben Crouch</td>
<td>City Room 4</td>
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<tr>
<td>2D</td>
<td>Radiopharmaceutical Sciences Symposium 2</td>
<td>Chair: Rajiv Bhalla</td>
<td>City Room 4</td>
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#### 14:45 | PSMA PET tracers: who’s who in the zoo?                                                     | David Pattison, Royal Brisbane & Women’s Hospital                        | Hall L    |

### 15:00 | Manufacturing different PSMA tracers: a radiopharmacy perspective                           | Soren Lummis, Royal Brisbane & Women’s Hospital                          | City Room 1 |

#### 16:00 | Current and Future Trends in Nuclear Cardiology                                            | Mark Crosthwaite, Virginia Commonwealth University, SMIMI-TS President Elect | Hall L    |

### 16:00 | F18-PSMA update                                                                             | Robert Ware, Peter MacCallum Cancer Centre - Centre for Molecular Imaging | City Room 1 |

### 16:20 | F18-FES update                                                                              | Robert Ware, Peter MacCallum Cancer Centre - Centre for Molecular Imaging | City Room 1 |

### 16:40 | F18-DAT scan                                                                                | Professor Christopher Rowe, MD, FRACP, Director Molecular Imaging Research, Austin Health, University of Melbourne | City Room 1 |

### 19:00: Awards Dinner - Panorama Ballroom                                                   |                                                                                       | Hall M/N  |

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**PLENARY - Hall L Chairs: Vijay Kumar, Dominic Mensforth**

14:00 | Lowenthal Lecture: Dr. Berry Allen, Waikato Hospital, Hamilton, New Zealand                 |                                                                                       | Hall L    |

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**AGM - Hall L**

12:15 | Technologists’ AGM                                                                         |                                                                                       | Hall L    |

12:00 | AANMS AGM                                                                                  |                                                                                       | City Room 1 |

12:00 | Physics AGM                                                                                |                                                                                       | City Room 2&3 |

12:30 | Radiopharmaceutical Sciences AGM                                                           |                                                                                       | City Room 4 |

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**AGM - City Room 1**

12:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**AGM - City Room 2&3**

12:00 | Physics AGM                                                                                |                                                                                       | M/N       |

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**AGM - City Room 4**

12:30 | Radiopharmaceutical Sciences AGM                                                           |                                                                                       | M/N       |

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**Hall L**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**City Room 1**

15:00 | Manufacturing different PSMA tracers: a radiopharmacy perspective                           | Soren Lummis, Royal Brisbane & Women’s Hospital                          | City Room 1 |

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**City Room 2&3**

16:00 | F18-PSMA update                                                                             | Robert Ware, Peter MacCallum Cancer Centre - Centre for Molecular Imaging | City Room 2&3 |

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**City Room 4**

17:00 | NIF                                                                                       |                                                                                       | City Room 4 |

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**City Room M/N**

15:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**City Room L**

14:45 | Multiple heart chamber analysis for cardiac amyloidosis - getting to the heart of the problem | Scott Evans, Westmead Hospital Nuclear Medicine*                           | Hall L    |

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**City Room 2**

15:00 | Partial volume correction for Lu-177 SPECT                                                  | Hynjyu Ryu, Faculty of Health Sciences, University of Sydney               | City Room 2&3 |

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**City Room 4**

16:45 | Emerging diagnostic and therapeutic radiotopes                                             | Paul Pellegrini (ANSTO): ANSTO’s Radioisotope Research Capability (7 mins) | City Room 4 |

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**Hall M/N**

15:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**City M/N**

14:45 | Multiple heart chamber analysis for cardiac amyloidosis - getting to the heart of the problem | Scott Evans, Westmead Hospital Nuclear Medicine*                           | City Room 1 |

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**City L**

14:45 | PSMA PET tracers: who’s who in the zoo?                                                     | David Pattison, Royal Brisbane & Women’s Hospital                        | City Room 1 |

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**City 2&3**

15:00 | Partial volume correction for Lu-177 SPECT                                                  | Hynjyu Ryu, Faculty of Health Sciences, University of Sydney               | City Room 2&3 |

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**City 4**

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**Hall 2**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**Hall 3**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**Hall 4**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**Hall 5**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**Hall 6**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**Hall 7**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |

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**Hall 8**

16:00 | Lunch                                                                                      |                                                                                       | M/N       |
SUNDAY 28 APRIL 2019

07:30 | Concurrent breakfast Sessions: IPSEN - City Room 1; Breakfast Session: Siemens Healthineers - City Room 2/3

PLENARY 5 & 6 - Hall L Chairs: Dylan Bartholomeusz, Sze Ting Lee

08:50 | Plenary 5: Can radiomics and artificial intelligence really deliver? Professor Vicky Goh, King's College London, UK
09:20 | Plenary 6: Current Status of TAT. Professor Eva Bezak, University of South Australia, Australia
09:50 | Pioneer Lecture: Associate Professor Geoff Currie, Charles Sturt University
10:35 | Morning Tea - Hall M/N

11:00-12:30 | Concurrent sessions 4A - 4D

4A - Cardiology Chairs: Paula Averbuj, Steven Unger
City Room 1

220 O30 | 11:00 | PET imaging of brain muscarinic M1 receptors with 18F-fluorobenzyl dextetimide: First in human studies
Christopher Rowe, Austin Health

4B - Neurology Chairs: Rey Casse, Paul Thomas
City Room 1

222 O32 | 11:15 | MK-6240-PET neurofibrillary tangle pattern subtypes are associated with distinct memory and cognitive performance
Christopher Rowe, Austin Health

4C - Oncology Chairs: Gabrielle Cehic, Grace Kong
City Room 2/3

224 O34 | 11:30 | The diagnostic and prognostic impact of PSMA PET-CT performed for assessment of biochemical relapse of prostate cancer and to guide salvage radiotherapy
Peter Lin, Liverpool Hospital

4D - General Chairs: David Patterson, Paul Roach
City Room 4

226 O36 | 11:45 | Evaluation of spinal tubercular infection treatment using 18F-FDG PET-CT
Rajnish Sharma, Institute of Nuclear Medicine & Allied Science

11:00 | The American College of Cardiology appropriate use criteria for myocardial perfusion scintigraphy: A comparison of its Australian application
Megan Wilson, Healthcare Imaging

11:15 | Read with the expert - Stress testing in Nuclear Medicine
Steve Unger, Queen Elizabeth Hospital

11:45 | Update on Coronary CT
Nathan Better, Wattletree Cardiology

11:00 | The application of VQ SPECT CT quantitation in target lobe selection for endobronchial valve lung volume reduction (EBV-LVR)
Chong Chew, Royal Adelaide Hospital

11:15 | Is the ventilation study necessary in pregnant patients with suspected PET?
Geoffrey Schembri, Royal North Shore Hospital

11:45 | Read with the expert
Christopher Rowe, Austin Health, R Casse

12:00 | ANZSNM AGM - Hall L

13:15 | Lunch - Hall M/N

CLOSING PLENARY - Hall L Chairs: Roslyn Francis, Dominic Mensforth

14:15 | Plenary 7: ARNet- new initiatives and future trial proposals: an interactive session Associate Professor Roslyn Francis
15:00 | Conference Highlights - Associate Professor Dylan Bartholomeusz
15:20 | ANZSNM 2020 50 years celebration - Associate Professor Geoff Currie
15:30 | Delegate Passport Prize announcements, Conference close- Gabby Cehic, Dominic Mensforth & Prab Takhar, ANZSNM 2019 co-convenors
15:45 | Close