### TRANSLATIONAL SCIENCE

**WEDNESDAY 22 AUGUST**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00pm - 3:30pm</td>
<td>PRE CONFERENCE MRTA MEETINGS (INVITATION ONLY)</td>
<td>Arbour Level – Meeting Rooms</td>
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<tr>
<td>3:30pm - 4:00pm</td>
<td>AFTERNOON TEA</td>
<td>Arbour Level</td>
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<tr>
<td>4:00pm - 5:30pm</td>
<td>PRE CONFERENCE MRTA MEETINGS (INVITATION ONLY)</td>
<td>Arbour Level – Meeting Rooms</td>
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<tr>
<td>5:30pm - 7:30pm</td>
<td>WELCOME TO DESTINATION EVENT</td>
<td>Southbank Beer Garden</td>
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<td>Stanley Street Plaza (Infront of the Southbank pool)</td>
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**THURSDAY 23 AUGUST**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:45am - 8:00am</td>
<td>CONFERENCE OPENING</td>
<td>Plaza Auditorium</td>
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<tr>
<td>7:45am</td>
<td>Welcome</td>
<td>The Honourable Wayne Swan MP</td>
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<tr>
<td>8:00am - 10:00am</td>
<td>MULTIDISCIPLINARY PLENARY</td>
<td>Plaza Auditorium</td>
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<td>Chairs: <strong>Prof Tony Costello AM &amp; A/Prof Peter Heathcote</strong></td>
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<tr>
<td>8:00am</td>
<td>AUA President Address - The Future of Urology</td>
<td>Dr Brantley Thrasher (The University of Kansas Health System)</td>
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<tr>
<td>8:20am</td>
<td>What the last century has taught us in the role of radical prostatectomy</td>
<td>Prof Joseph Smith (Vanderbuilt University)</td>
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<td>8:40am</td>
<td>Search for the heredity in Prostate Cancer</td>
<td>Prof Patrick Walsh (John Hopkins University)</td>
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<tr>
<td>9:00am</td>
<td>Who needs genetic screening?</td>
<td>Dr Oliver Sartor (Tulane Medical School)</td>
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<tr>
<td>9:20am</td>
<td>Prevention and Prostate Cancer - what can we say in 2018?</td>
<td>Dr Brantley Thrasher (The University of Kansas Health System)</td>
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<tr>
<td>9:40am</td>
<td>Discussion</td>
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10:00am - 10:30am  MORNING TEA
   Plaza Ballroom

10:30am - 12:30pm  PROMIS (PROSTATE CANCER METASTASIS)
   Meeting Room P6
   Meeting Room P7
   Chairs:  Prof Peter Croucher & Dr Niall Corcoran

10:30am  ProMis Welcome & Overview
   Prof Peter Croucher (Garvan Institute of Medical Research)

10:40am  Genomics of Bone Metastasis
   A/Prof Christopher Hovens (University of Melbourne)

11:02am  Novel approaches to understanding the genomic landscape of Advanced Prostate Cancer
   Prof Vanessa Hayes (Garvan Institute of Medical Research)

11:24am  Single cell technologies in sequencing Prostate Cancer
   A/Prof Alex Swarbrick (Garvan Institute of Medical Research)

11:46am  What Wakes up Dormant cells
   Dr Niall Byrnes (Garvan Institute of Medical Research)

12:08pm  Immunological Control of Prostate Cancer Dormancy
   Dr Belinda Parker (La Trobe Institute of Medical Research)

12:30pm - 1:45pm  LUNCH - CLINICAL UROLOGY MODERATED POSTER SESSION
   Plaza Ballroom
   Supported by Janssen

1:45pm - 3:15pm  CLINICAL TRANSLATION
   Meeting Room P6
   Meeting Room P7
   Chairs:  A/Prof Christopher Hovens & Dr Niall Corcoran

1:45pm  RNA sequencing to identify DNA structural variants in Prostate Cancer
   Prof Guido Jenster (Erasmus University Rotterdam)

2:05pm  A functional variation in PSA (KLK3) gene that confers lower risk is also associated with
   more aggressive disease and lower survival in men with Prostate Cancer
   A/Prof Jyotsna Batra (Queensland University of Technology)

2:15pm  Enzalutamide-induced hypoxia orchestrates a permissive microenvironment driving
   transition to castrate-resistant outgrowth of prostate tumours
   Prof David Waugh (Queensland University of Technology)

2:25pm  Functional analysis of GWAS identified 5p15 locus in Prostate Cancer
   Ms Panchadsaram Janaththani (Australian Prostate Cancer Research Centre - Queensland)

2:35pm  High Vitamin D levels are associated with improved overall survival of men with aggressive
   Prostate Cancer: A prospective long-term follow up of Australian cohort (PCOSun)
   Dr Visalini Nair-Shalliker (Cancer Council NSW)

2:45pm  In Vitro Culture and Therapeutic Profiling of Patient Derived Metastatic Prostate Cancer
   Dr Saeid Alinezhad (Australian Prostate Cancer Research Centre - Queensland)

2:55pm  Novel Prostate Cancer xenograft models to track the process of metastasis
   Prof Guido Jenster (Erasmus University Rotterdam)
3:15pm - 3:45pm  
**AFTERNOON TEA**  
Plaza Ballroom

3:45pm - 5:30pm  
**LIPIDOIMICS & PROSTATE CANCER**  
Meeting Room P6  
Meeting Room P7  
Chairs: Prof Lisa Butler & Dr Niall Corcoran

3:45pm  
Welcome & Overview  
Prof Lisa Butler (The University of Adelaide/SAHMRI)

3:55pm  
Lipid Elongation: a novel therapeutic target for Prostate Cancer  
Dr Zeyad Nassar (The University of Adelaide)

4:18pm  
Lipid Biomarkers in plasma have prognostic value in localised and advanced Prostate Cancer  
Dr Hui-Ming Lin (Garvan Institute of Medical Research)

4:41pm  
Obesity reduces serum PSA and leads to underestimation of Prostate Cancer risk assessment  
Dr Adel Aref (The University of Adelaide)

5:04pm  
Evaluation of 18F-labelled phospholipid probes to monitor phospholipid changes in response to androgen receptor targeted therapies  
Dr Ingrid Burvenich (Olivia Newton-John Cancer Research Institute)

5:30pm - 6:30pm  
**WELCOME RECEPTION**  
Plaza Ballroom

**FRIDAY 24 AUGUST**

8:00am - 10:00am  
**MODERATED POSTER SESSION**  
Meeting Room P6  
Meeting Room P7  
Chair: Prof Guido Jenster

Targeting Leptin Receptor Signalling Slows the Progression of Advanced Prostate Cancer  
Lisa Philp

Transcriptional profiling of periprostatic fat tissue reveals a signature diagnostic for high-risk prostate cancer  
Ken Chow

Functional analysis implicate a glycosylating prostate-cancer risk associated germline variant  
Srilakshmi Srinivasan

Tumor-derived circulating endothelial cells predict clinically significant prostate carcinoma  
Sebastian Bhakdi

Ductal Adenocarcinoma of the Prostate: Report of an Australian Cohort and Exploring Its Mysterious Genetic Landscape  
Ken Chow

Causal variants that underlie miR-eQTLs in Prostate Cancer  
Samaneh Farashi

Comparing adaptive prostate cancer cell metabolism following anti-androgen and biguanide treatment  
Jennifer Gunter
Alterations of tumor vasculature and oxygen level of prostate cancer xenografts in vivo assessed by ultrasound and photoacoustic imaging
Qiuhua Hu

Novel anti-cancer agents target the metastasis suppressor NDRG1 to inhibit Lysine-Rich CEACAM1 Co-isolated (LYRIC) induced epithelial-mesenchymal transition in prostate cancer
Zaklina Kovacevic

Expanding the SUMO gene stable
Mohanan Maharaj

Differential tissue composition analysis from whole tissue gene expression
Ken Chow

A plasma biomarker panel of four microRNAs for the diagnosis of prostate cancer
Farhana Matin

The potential for androgen influenced disruption of the mismatch repair gene MSH2 in Prostate Cancer
Ken Chow

Men’s experiences on active surveillance: an insight into their coping strategies and the factors that influence their adherence
Megan McIntosh

A phase II randomised control trial of high dose vitamin D in localised prostate cancer patients with intermediate risk of disease progression –ProsD
Visalini Nair-Shalliker

Lipid Elongation in Prostate Cancer is Androgen Regulated and a Potential Therapeutic Target
Zeyad Nassar

Targeting the Adaptive Response in Adiponectin Receptor Signalling Following Androgen Targeted Therapy in Prostate Cancer: Efficacy in Castrate LNCaP Tumour Xenografts In vivo
Lisa Philp

Investigating androgen deprivation and enzalutamide-mediated epithelial plasticity in prostate cancer progression
Ellica Ratther

Co-targeting dynamic lipid supply from lipogenesis and uptake to fight advanced prostate cancer
Martin Sadowski

The biodistribution of Miltuximab® using Gallium-67 nuclear imaging: The MILGa-01 First in Human Trial
Brad Walsh

Investigation on the role of extracellular vesicle-derived protein and miRNA in mediating the cellular response of prostate cancer to androgen manipulation
Carolina Soekmadji

Glycolysis and lipid metabolism as predictors of prostate cancer aggressiveness
Sriganesh Srihari

Enhanced lipid uptake and lipid remodelling are adaptive responses to androgen-targeted therapies in prostate cancer
Kaylyn Tousignant

Targeted beta therapy of human prostate cancer in vivo with Lu-177 labelled MIL-38 antibody against glypican-1 (GPC-1)
Mei-Chun Yeh

Interplay among cell types in the tumour microenvironment reveals the activation of key hallmarks in prostate cancer
Ken Chow
10:00am - 10:30am  **MORNING TEA**  
Plaza Ballroom

10:30am - 12:30pm  **TARGETING THE ADAPTIVE RESPONSE TO ANDROGEN-TARGETED THERAPIES**  
Meeting Room P6  
Meeting Room P7  
Chairs: Prof Colleen Nelson & A/Prof Christopher Hovens

10:30am  Tumour plasticity as a therapeutic target in advanced Prostate Cancer  
Dr Brett Hollier (Queensland University of Technology)

10:45am  Targeting Prostate Cancer cell metabolism with biguanides  
Ms Jennifer Gunter (Queensland University of Technology)

11:00am  NTSR1 promotes aggressive Prostate Cancer growth in metabolic syndrome  
Ms Michelle Maugham (Queensland University of Technology)

11:15am  Preclinical testing of glutamine metabolism inhibitors and biomarkers  
Assoc Prof Jeff Holst (The University of Sydney)

11:30am  The fat side of Enzalutamide  
Dr Martin Sadowski (Queensland University of Technology)

11:45am  Targeting Leptin Receptor Signalling Slows the Progression of Advanced Prostate Cancer  
Ms Lisa Philip (Queensland University of Technology)

12noon  Systems biology exploration of the temporal dynamics of plasticity  
Dr Ati Taherian Fard (Queensland University of Technology)

12:15pm  Discussion

12:30pm - 1:45pm  **LUNCH (CLINICAL UROLOGY AND NURSING & ALLIED HEALTH MODERATED POSTER SESSION)**  
Plaza Ballroom  
Clinical Urology Supported by Janssen

1:45pm - 3:15pm  **MRTA CLOSED SESSION (INVITATION ONLY)**  
Meeting Room P6  
Meeting Room P7

Please see Clinical Urology and Nursing & Allied Health Programs

3:15pm - 3:45pm  **AFTERNOON TEA**  
Plaza Ballroom
3:45pm - 5:30pm  **MDT FORUM - PRESENTATIONS & PANEL**  
(Combined with: Nursing & Allied Health)  
Plaza Auditorium  
Chairs: Prof Mark Frydenberg & Prof Patrick Walsh

3:45pm  
Listen to your patients  
Prof Patrick Walsh (John Hopkins University)

4:05pm  
Rethinking the recovery of continence after radical prostatectomy: New ideas from novel technologies  
Prof Paul Hodges (University of Queensland)

4:25pm  
Long term outcomes of the Brisbane Open vs Robot radical prostatectomy RCT  
A/Prof John Yaxley (Wesley Urology Clinic)

4:45pm – 5:30pm  
**MDT Panel Case Discussion**  
**Chair:** Dr Phil Dundee  
**Panel:** Dr Brian Chapin, Dr Oliver Sartner, Prof Tom Pickles, Louisa Fleure, A/Prof Prue Cormie, Max Rutherford, Stuart Doorbar-Baptist

7:00pm - Midnight  **CONFERENCE DINNER**  
Queensland Art Gallery (QAG)

**TRANSLATIONAL SCIENCE PROGRAM CONCLUDES**