TRANSLATIONAL SCIENCE

WEDNESDAY 22 AUGUST

2:00pm - 3:30pm  PRE CONFERENCE MRTA MEETINGS (INVITATION ONLY)
Arbour Level – Meeting Rooms

3:30pm - 4:00pm  AFTERNOON TEA
Arbour Level

4:00pm - 5:30pm  PRE CONFERENCE MRTA MEETINGS (INVITATION ONLY)
Arbour Level – Meeting Rooms

5:30pm - 7:30pm  WELCOME TO DESTINATION EVENT
Southbank Beer Garden
Stanley Street Plaza (Infront of the Southbank pool)

THURSDAY 23 AUGUST

7:45am - 8:00am  CONFERENCE OPENING
Plaza Auditorium

7:45am  Welcome
The Honourable Wayne Swan MP

8:00am - 10:00am  MULTIDISCIPLINARY PLENARY
Plaza Auditorium

Chairs: Prof Tony Costello AM & A/Prof Peter Heathcote

8:00am  AUA President Address - The Future of Urology
Dr Brantley Thrasher (The University of Kansas Health System)

8:20am  What the last century has taught us in the role of radical prostatectomy
Prof Joseph Smith (Vanderbuilt University)

8:40am  Search for the heredity in Prostate Cancer
Prof Patrick Walsh (John Hopkins University)

9:00am  Who needs genetic screening?
Dr Oliver Sartor (Tulane Medical School)

9:20am  Prevention and Prostate Cancer - what can we say in 2018?
Dr Brantley Thrasher (The University of Kansas Health System)

9:40am  Discussion
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 geneomic 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**

Chair:  **Prof Henry Woo**

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**
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)

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

MODERATED POSTER SESSION continued

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

Sriyanesh 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 Sartor, 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