



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 (Vanderbilt 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
Chair: **Prof Henry Woo**
Supported by
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- 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

MODERATED POSTER SESSION continued

Alterations of tumor vasculature and oxygen level of prostate cancer xenografts in vivo assessed by ultrasound and photoacoustic imaging

Qihua 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
Elca 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 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