



# 5<sup>th</sup> OzMRS symposium

## DAY 1, 23<sup>RD</sup> OF JUNE 2021

13:00	Opening and Welcome, Normand Pouliot, President OzMRS
13:10	Introduction, Josepha Dietrich, Patient Advocate

### Session 1: Cell Plasticity, Sponsored by *Cancers*

13:25	Introduction, Chairs: Craig Lawn and Jacinta Simmons
13:35	Keynote speaker: Jean-Christophe Marine, University of Liege, Belgium <i>"Non-genetic mechanisms of tumour evolution and therapy resistance"</i>
14:20	Philip Gregory, Centre of Cancer Biology, Adelaide <i>"MicroRNA and alternative splicing networks as regulators of cancer cell plasticity"</i>
14:35	Christine Chaffer, Garvan Institute, Sydney <i>"Cancer Cell Plasticity in Metastatic and Chemotherapy-Resistant Disease"</i>
14:50	Daniel Reed, Garvan Institute, Sydney <i>"Using E-cadherin dynamics to predict cancer spread and response to anti-invasive therapies: Insights from intravital imaging"</i>
14:55	Lisa Philp, Australian Prostate Cancer Research Centre, Brisbane <i>"Adipokine Hormone Axes: Uncovering A Critical Role in Advanced Prostate Cancer Progression"</i>
15:00	Q&A session
<b>15:10 to 15:40</b>	<b>Tea break</b>

### Session 2: Metastatic Tumour Microenvironment and Heterogeneity

15:40	Introduction, Chairs: Megan Wheeler and Normand Pouliot
15:50	Johannes Eble, University of Münster, Germany <i>"Integrin- and cadherin-based mechanisms of cancer cell progression and metastasis in the tumor stroma and at the blood vessel"</i>
16:20	Carmela Ricciardelli, University of Adelaide, Adelaide <i>"Ovarian cancer-peritoneal interactions: Identification of novel biomarkers and therapeutic targets"</i>
16:35	Neta Erez, Faculty of Medicine, Tel Aviv University, Israel <i>"Stromal dynamic plasticity shapes the microenvironment in breast cancer metastasis"</i>
17:05	Tom Cox, Garvan Institute, Sydney

17:20	<p><i>“Deconstructing Solid Tumour Heterogeneity: The Stromal Matrix Perspective”</i></p> <p>Ryan Gillis, Monash University, Melbourne</p> <p><i>“Re-purposing cardiac drugs for cancer: blocking stress signalling with carvedilol to improve survival”</i></p>
17:25	<p>Brooke Pereira, Garvan Institute, Sydney</p> <p><i>“Quantitative proteomics reveals cancer cell genotype can drive matrix changes associated with aggressive disease in pancreatic ductal adenocarcinoma (PDAC)”</i></p>
17:30	<p>Michael Papanicolaou, Garvan Institute, Sydney</p> <p><i>“Cancer-Associated Fibroblast Secreted Collagen XII Shapes the Breast Cancer Microenvironment to Drive Metastatic Dissemination”</i></p>
17:35	Q&A session
17:45	<b>Day 1 Close</b>

## DAY 2, 24<sup>TH</sup> OF JUNE 2021

09:00	Introduction Cancer Advocacy, Kathryn Leaney and Elisabeth Kochman, Cancer Voices
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### Session 3: Site Specificity Metastasis

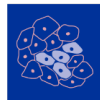
09:10	Introduction, Chairs: Kathryn Leaney, Elisabeth Kochman and Adrian Wiegman
09:15	<p>Rakesh Jain, Harvard Medical School, US</p> <p><i>“Improving treatment of brain metastasis from breast cancer”</i></p>
09:45	<p>Arlene Chan, Curtin University, Perth</p> <p><i>“Clinical challenges in management of CNS disease”</i></p>
10:00	<p>Christina Curtis, Stanford Medicine, US</p> <p><i>“Characterizing the rates and routes of metastasis”</i></p>
10:30	<p>Normand Pouliot, Olivia Newton-John Cancer Research Institute, Melbourne</p> <p><i>“Limitrin: a new player in breast cancer brain metastasis”</i></p>
10:45	<p>Raymond Yip, the Walter and Eliza Hall Institute, Melbourne</p> <p><i>“Mammary tumour cells remodel the bone marrow vascular microenvironment to support metastasis”</i></p>
10:50	<p>Anthony Atack, Queensland University of Technology, Brisbane</p> <p><i>“Generation of prostate cancer osteoblastic lesion model using patient derived xenografts and osteoblast-derived microtissues”</i></p>
10:55	Q&A session
11:05 to 11:35	<b>Tea break</b>

### Session 4: Metastasis and Therapy Resistance, sponsored by 10X Genomics

11:35	Introduction, Chairs: Michael Michalitsis and Frederic Hollande
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11:45	Yash Chhabra, Johns Hopkins University, US <i>“Sexual dimorphic effects of tumour microenvironment dictate melanoma progression and therapy resistance”</i>
12:15	Aniruddha Chatterjee, University of Otago, New Zealand <i>“Take the driver’s seat: DNA Methylation drivers of tumour metastasis”</i>
12:30	Jennifer Gunter, Queensland University of Technology, Brisbane <i>“Exploiting cancer metabolism in metastasis and therapy resistance”</i>
12:45	Jean Berthelet, Olivia Newton-John Cancer Research Institute, Melbourne <i>“Shedding light on metastatic heterogeneity using optical barcoding”</i>
13:00	Susan Woods, University of Adelaide, Adelaide <i>“Gene therapy modification of the tumour microenvironment to treat metastatic bowel cancer”</i>
13:15	Aadya Nagpal, Olivia Newton-John Cancer Research Institute, Melbourne <i>“avb3 integrins: master regulator of resistance to TKI-induced ferroptosis”</i>
13:20	Prahlad Raninga, QIMR Berghofer Medical Research Institute, Brisbane <i>“Repurposing an FDA-approved drug auranofin for the treatment of brain metastatic triple-negative breast cancer”</i>
13:25	Or Michaeli, Ben Gurion University of the Negev, Israel <i>“Radiosensitization of solid metastatic tumors harboring mutant p53 to alpha-particle based radiotherapy”</i>
13:30	Q&A session
13:40	Ivonne Petermann, ANZ Science and Technology Advisor 10x Genomics <i>“Spatial Biology without Limits: Introducing Visium Spatial Gene Expression for FFPE tissues”</i>
<b>13:45</b>	<b>Meeting close</b>

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