

<b>DAY 1 - Tues 31st Jan</b>			
2.00pm	<i>Registration Opens</i>		
4.30pm	<i>Introduction and Welcome</i>		
<b>Session 1</b>		<i>Room: Heritage Ballroom</i>	
<i>Chairs: Cherie Blenkiron + Mary Bebawy</i>			
4.40pm	<b>Ken Witwer</b>	<i>Exploiting Extracellular Vesicles: Lessons from the Retrovirus</i>	#1
5.10pm	<b>Rebecca Lane *</b>	<i>Optimisation of Extracellular Vesicle Purification from Serum and Plasma for Proteomics Analysis</i>	# 2
5.25pm	<b>Ivan Poon</b>	<i>Elucidating the Mechanism and Function of Apoptotic Cell Disassembly for Drug Targeting</i>	# 3
5.40pm	<b>Brett Nixon</b>	<i>Characterisation of mouse epididymosomes reveals a complex molecular payload and a potential mechanism for modification of the sperm proteome and epigenome</i>	# 4
5.55pm	<b>Philip Askenase</b>	<i>Mesenchymal Stem Cell (MSC) Exosomes Replace MSC in Spinal Cord Injury: Possible Role of M2 MacrophagesXX</i>	# 5
<b>7.00pm</b>	<b>Welcome Mixer   Mantra Seagrass Lawn</b>		
<b>DAY 2 - Wed 1st Feb</b>			
<b>Session 2</b>		<i>Room: Heritage Ballroom</i>	
<i>Chairs: Carlos Salomon Gallo + Michelle Hill</i>			
8.30am	<b>Larry Chamley</b>	<i>Distribution of placental vesicles in the maternal body</i>	# 6
9.00am	<b>Suresh Mathivanan</b>	<i>Exosomes transfer oncogenic <math>\beta</math>-catenin and induce Wnt/<math>\beta</math>-catenin signaling in the recipient cells</i>	# 7
9.30am	<b>Rebecca Lim</b>	<i>Proof-of-concept preclinical testing of amnion epithelial cell derived extracellular vesicles for interstitial lung fibrosis</i>	# 8
9.45am	<b>Sushma Anand *</b>	<i>Physical coherence and network analysis reveals NEDD4 as novel regulator of exosomal biogenesis</i>	# 9
10.00am	<b>Jason Howitt</b>	<i>Mechanisms for the secretion and transmission of <math>\alpha</math>-synuclein in the brain</i>	# 10
<b>10.30am</b>	<b>Morning Tea &amp; Poster Session   Room: Heritage Dining Room</b>		
<b>Session 3</b>		<i>Room: Heritage Ballroom</i>	
<i>Chairs: Lesley Cheng + Suresh Mathivanan</i>			
11.00am	<b>Michelle Hill</b>	<i>RNA binding protein heterogeneous nuclear ribonucleoprotein K mediates selective microRNA export to exosomes</i>	# 11
11.30am	<b>Ramon M Eichenberger</b>	<i>Biology of extracellular vesicles from soil-transmitted helminths and their roles in parasite-host interactions</i>	# 12
11.45am	<b>Joelyn Wong *</b>	<i>The P2X7 receptor is expressed on platelets and circulating microparticles which are increased in multiple sclerosis</i>	# 13
12 noon	<b>Richard Lobb *</b>	<i>Exosome Signature Predicts Disease Progression in Non-Small Cell Lung Cancer Patients</i>	# 14
12.15pm	<b>Juan Carlos Polanco</b>	<i>The role of lysosomes in the tau aggregation induced by endocytosed exosomes.</i>	# 15
12.30pm	<b>Ramkumar Menon</b>	<i>Feto-Placental Exosomes in Human Parturition: Characterization, trafficking, and functional role</i>	# 16
<b>1.00pm</b>	<b>Lunch Poster Session (1:30-2:15 pm)   Room: Heritage Dining Room</b>		
<b>Session 4</b>		<i>Room: Heritage Ballroom</i>	
<i>Chairs: Andreas Moller + Alex Loukas</i>			
2.30pm	<b>Maria Liaskos</b>	<i>Bacterial outer membrane vesicles: mechanisms of cellular entry, immune detection and intracellular fate.</i>	# 17
3.00pm	<b>Martin Whitham</b>	<i>Quantitative proteomic analysis of the exercise-induced extracellular vesicle proteome reveals a marked upregulation of circulating exosomes</i>	# 18

\* Indicates a student

3.15pm	<b>Linda Ban *</b>	<i>Extracellular vesicle modulation with diet and aging in a mouse model of non-alcoholic steatohepatitis</i>	# 19
3.30pm	<b>Alin Rai *</b>	<i>Colorectal cancer exosomes promote fibroblast-led invasion of cancer cells</i>	# 20
<b>3.45pm Afternoon Tea &amp; Poster Session   Room: Heritage Dining Room</b>			
<b>Session 5</b>		<i>Room: Heritage Ballroom</i>	
<i>Chairs: Rebecca Lim + Richard Lobb</i>			
4.15pm	<b>David Greening</b>	<i>The role of extracellular vesicles in embryo-maternal cross-talk essential for regulating pregnancy</i>	# 21
4.30pm	<b>Shayna Sharma *</b>	<i>Exosomes present in plasma from patients with ovarian cancer induce Epithelial to Mesenchymal Transition on target cells</i>	# 22
4.45pm	<b>Carlos Salomon</b>	<i>Exosomal miRNA profile during gestational diabetes mellitus – implications in placenta nutrient uptake</i>	# 23
5.00pm	<b>Navind Jayasooriah *</b>	<i>Extracellular vesicles – the next small thing in epigenetic inheritance</i>	# 24
5.15pm	<b>Olivia Ruhen *</b>	<i>Exosomal DNA as a monitoring tool for breast cancer: a case study</i>	# 25
5.30pm	<b>Michael Pfaffl</b>	<i>Detection and validation of miRNA biomarkers in microvesicles: The role of isomiRs in mRNA target prediction</i>	# 26
<b>7.00pm Conference Dinner   Mantra Seagrass Lawn</b>			
<b>DAY 3 - Thurs 2nd Feb</b>			
<b>Session 6</b>		<i>Room: Heritage Ballroom</i>	
<i>Chairs: Laura Vella + Maria Liaskos</i>			
8.30am	<b>Alex Loukas</b>	<i>Developing vaccines that interrupt host-parasite communication by targeting fluke extracellular vesicles</i>	# 27
9.00am	<b>Murray Broom</b>	<i>SEC and TRPS, tools for rapid isolation and characterization of extracellular vesicles</i>	# 28
9.15am	<b>Ben Finnin</b>	<i>Characterising the surface marker expression of microvesicles using a bead array approach – analysing past the limits of detection.</i>	# 29
9.30am	<b>Richard Ferrero</b>	<i>Bacterial membrane vesicles transport their DNA cargo to the nucleus of host cells.</i>	# 30
9.45am	<b>Marco Falasca</b>	<i>Identification of Lipid Biomarkers In Pancreatic Cancer</i>	# 31
10.15am	<b>Maoshan Chen *</b>	<i>RNA Profiles of Three Subtypes of Extracellular Vesicles Released by Human Colorectal Cancer LIM1863 Cell Line</i>	# 32
10:30am	<b>Laura Vella</b>	<i>Exosomes in the brain – implications for neurodegenerative disease</i>	# 33
<b>10.45am Morning Tea (15 minutes)   Room: Heritage Dining Room</b>			
<b>Session 7</b>		<i>Room: Heritage Ballroom</i>	
<i>Chairs: David Greening + Andy Hill</i>			
11.00am	<b>Mary Bebawy</b>	<i>The Complexities of Cancer Multi-Drug Resistance as Defined Through the Study of Extracellular Vesicles</i>	# 34
11.30am	<b>Tony Parker</b>	<i>Paediatric burns: Interrogation of the blister fluid proteome to reveal exosomes.</i>	# 35
11.45am	<b>Marca Wauben</b>	<i>Flow cytometric analysis of extracellular vesicles: Challenges and pitfalls</i>	# 36
<b>12.15pm Prize Announcements &amp; Closing Comments</b>			
<b>12.25pm Lunch (12:25-1:30 pm)   Room: Heritage Dining Room</b>			
<b>2:15 pm (sharp) Bus leaves back to Melbourne (bus loading from 1.45pm)</b>			

\* Indicates a student

## Poster Listing

- Mona Alharbi \***  
Role of exosomes in chemotherapy resistance during ovarian cancer progression *abs# 40*
- Marilou Barrios \***  
An endogenous retroviral noncoding RNA is highly enriched in exosomes and transferred to recipient cells both *in vitro* and *in vivo* *abs# 41*
- Joshua Brzozowski \***  
Extracellular vesicle isolation methods: Proteomic comparison of post-filtration isolation *abs# 42*
- Maoshan Chen \***  
Transcriptome and long noncoding RNA sequencing of three extracellular vesicle subtypes released from the human colon cancer LIM1863 cell line *abs# 43*
- Penelope Dalla \***  
Proteomic analysis of cancer cell derived microparticles *abs# 44*
- Saeideh Ebrahimkhani \***  
Unique serum exosome profiles predict disease stage in multiple sclerosis *abs# 45*
- Andrew Foers \***  
High Quality Small Extracellular Vesicle Purification from Synovial Fluid by Size Exclusion Chromatography *abs# 46*
- Andrew Foers \***  
Circulating miRNAs as predictors of response to 1<sup>st</sup> line therapy in rheumatoid arthritis *abs# 47*
- Natalie Foot**  
The role of Arrdc4 and ubiquitination in extracellular vesicle biogenesis and protein trafficking *abs# 48*
- Susannah Hallal \***  
Cavitron Ultrasonic Surgical Aspirates are Novel Sources of Glioblastoma-derived Extracellular Vesicles *abs# 49*
- Sunyoung Ham \***  
Breast cancer-derived exosomes cause macrophage polarisation towards an TAM phenotype *abs# 50*
- Rebecca Harper**  
Isolation of exosomes and analysis of their surface markers from PAH peripheral blood derived Endothelial Progenitor Cells *abs# 51*
- Hayden Homer**  
Embryo-derived exosomal miRNAs as potential biomarker of endometrial receptivity *abs# 52*
- Helen Jankowski \***  
The effect of tetraspanin CD9 on prostate cell line extracellular vesicle's nucleic acid cargo. *abs# 53*
- Jancy Johnson \***  
The role of mesenchymal stem/stromal cell-derived exosomes in ageing of placental stem cells *abs# 54*
- Mirja Krause**  
Exosomes as Inductive Signals and Programmers of Kidney Development *abs# 55*
- Shashi Kumar \***  
Extracellular vesicles : their role in epithelial mesenchymal transition and cancer biology *abs# 56*

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- Bryan Leaw \***  
Human amnion epithelial cells-derived extracellular vesicles reduce fibrosis in a mouse model of liver fibrosis. *abs# 57*
- Chenkai Ma \***  
Exosomes derived from Glioma Stem Cells (GSCs) promote cell migration, proliferation and radiation resistance in brain cancer. *abs# 58*
- Amirmohammad Nasiri Kenari \***  
The use of artificial exosomes to deliver RNA based therapies in models of Alzheimer's disease *abs# 59*
- Carlos Salomon**  
Tracking of exosomes through different maternal compartments in women with different signals of parturition *abs# 60*
- Carlos Salomon**  
Contribution of placenta exosomes to the total exosomes present in maternal circulation during gestation and their potential role in maternal inflammation *abs# 61*
- Hannah Swa**  
Uncovering novel circulating biomarkers for heart failure by mass spectrometry-based extra-vesicular proteomics *abs# 62*
- Jean Tan \***  
Human Amnion Epithelial Cell Exosome Treatment for Lung Fibrosis – Breathing in The Secretomes Of Cell Therapy *abs# 63*
- Rong Xu \***  
Isolation and characterization of two distinct extracellular vesicle subtypes by sequential centrifugal ultrafiltration *abs# 64*
- Kening Zhao \***  
Novel cell wall remodelling functions of extracellular vesicles secreted by *Saccharomyces cerevisiae* *abs# 65*
- Dandan Zhu \***  
Human Amnion Epithelial Cell-Derived Extracellular Vesicles in The Treatment of Bronchopulmonary Dysplasia *abs# 66*
- Lisa Lincz**  
Strategies for Enumeration of Circulating Microvesicles by Flow Cytometry: Forward vs Side Scatter *abs# 67*
- John Satterlee**  
The NIH Common Fund Extracellular RNA Communication Program *abs# 68*
- Jack Taylor \***  
Discrete biogenic vesiculation pathways reside malignant and non-malignant breast cells *abs# 69*
- Dharmica Mistry**  
Plasma derived exosomal lipids as novel biomarkers for breast cancer *abs# 70*