

## SUNDAY 2 DECEMBER 2018

### 1. SIG Workshops (Please refer to SIG workshop program for detailed information)

<p><b>0900 – 1500</b></p>	<p><b>A. Tumour Immunology</b> The Tumour Immunology Workshop will cover all aspects of tumour immunity and different approaches to therapy. The workshop will have sessions about the tumour immune microenvironment, innate immunity and cancer, cellular therapies and clinical translation.</p>	<p><b>A. Infection and Immunity</b> The Infection and Immunity Workshop will feature presentations by renowned immunologists Fiona Powrie and Paul Klenerman and a session focussed on <i>Parasitic, Tropical and Emerging Diseases</i>. A large proportion of the Workshop will be dedicated to oral presentations selected from submitted abstracts. This is a great opportunity to discuss your research in a relaxed and friendly environment.</p>	<p><b>B. Clinical Immunology</b> The Clinical Immunology SIG will provide Scientists and Clinicians with the latest updates in the field of translational Clinical Immunology. The workshop is the first of its kind at an ASI meeting and is to enable closer collaborations between scientists and clinicians in the field of Clinical Immunology, Autoimmunity and Immunodeficiency.</p>	<p><b>C. Post-Graduate Student</b> The Postgraduate Workshop will include a number of sessions focused on essential research skills. These include sessions on introductory immunology, journal reviewing and publishing, grant and fellowship applications, career planning and presenting skills.</p>
<p><b>1530 – 1745</b></p>	<p><b>OPENING PLENARY SESSION</b> North and Centre <i>Chair: Connie Jackaman &amp; Scott Fisher</i></p>			<p><b>Room: Golden Ballroom</b></p>
<p><b>1530 - 1600</b></p>	<p><b>Official Opening and Welcome to Country</b></p>			
<p><b>1600 – 1700</b></p>	<p><b>Foundation Lecture</b> Chair: Meredith O’Keeffe <b>Ken Shortman</b>, <i>Walter and Eliza Hall Institute of Medical Research, VIC</i></p>			
	<p><b>PLENARY SESSION</b> Chair: Willem Lesterhuis</p>			
<p><b>1700 - 1745</b></p>	<p><b>SINGLE-CELL GENOMICS: A STEPPING STONE FOR FUTURE IMMUNOLOGY DISCOVERIES</b> <b>Ido Amit</b>, <i>Weizmann Institute of Science, ISRAEL</i></p>			
<p><b>1815 – 2030</b></p>	<p><b>Welcome Reception – Quay to the Amazon</b> <i>Walking tours depart 1745 for Welcome Reception.</i></p>			



**SUNDAY**

*Coaches depart from the Pan Pacific Hotel at 1800 and return at 2015*

## MONDAY 3 December 2018

<b>0730</b>	<b>Registration desk open</b>	
<b>0815 - 1030</b>	<b>PLENARY SESSION – Clinical Immunology</b> <i>Chair: Michaela Lucas &amp; Vanessa Bryant</i>	
0815 – 0845	<b>Meredith O’Keeffe</b> , <i>Monash University, VIC</i>	
0845 – 0915	<b>PROBIOTIC AND PEANUT ORAL IMMUNOTHERAPY INDUCES LONG-TERM REMISSION OF PEANUT ALLERGY</b> <b>Mimi Tang</b> , <i>Murdoch Children’s Research Institute, VIC</i>	
0915 – 0945	<b>Stuart Tangye</b> , <i>Garvan Institute of Medical Research, NSW</i>	
0945 - 1015	<b>ESTABLISHING AND REVERSAL OF LATENT INFECTION IN HIV CURE RESEARCH</b> <b>Paul Cameron</b> , <i>Peter Doherty Institute, The University of Melbourne, VIC</i>	
<b>1030 - 1100</b>	<b>Morning Tea</b>	
<b>1100 - 1230</b>	<b>SYMPOSIUM</b>	
	<b>5.A Activation and Differentiation</b> <i>Chair: Connie Jackaman &amp; William Heath</i>	<b>5.B Systems Immunology</b> <i>Chair: Silvana Gaudieri &amp; Ido Amit</i>
<b>ROOM</b>	<b>Golden Ballroom South</b>	<b>Golden Ballroom North &amp; Centre</b>
1100 – 1120	<b>Lai Guan Ng</b> , <i>Singapore Immunology Network, SINGAPORE</i>	<b>MODIFYING CLONAL SELECTION THEORY WITH A PROBABILISTIC CELL</b> <b>Phil Hodgkin</b> , <i>Walter and Eliza Hall Institute of Medical Research, VIC</i>
1120 – 1140	<b>Nicholas Gascoigne</b> , <i>Yong Loo Lin School of Medicine, National University of Singapore, SINGAPORE</i>	<b>RESETTING THE TIPPING POINT: CONVERTING IMMUNE CHECKPOINT NON-RESPONDERS INTO RESPONDERS</b> <b>Willem Lesterhuis</b> , <i>School of Biomedical Sciences, The University of Western Australia, WA</i>

1140 – 1200	<b>SECRETION OF ANTIBODIES WITH ANTI-SELF REACTIVITY IN THE HUMAN ADIPOSE TISSUE</b> <i>Daniela Frasca, Microbiology &amp; Immunology, University of Miami, USA</i>	<b>DEFINING THE IMMUNE LANDSCAPE OF BREAST CANCER USING HIGH THROUGHPUT MEASUREMENT OF SINGLE CELL EPITOPES AND TRANSCRIPTOMES</b> <i>Simon Junankar, Garvan Institute Of Medical Research, NSW</i>
1200 - 1220	<b>IN VITRO AND IN VIVO VALIDATION OF A NOVEL CAR-T CELL THERAPY TARGETING NON-FUNCTIONAL P2X7</b> <i>Simon Barry, WCHN/ Robinson Research Institute, University of Adelaide, SA</i>	<b>SYSTEMS BIOLOGY UNVEILS NEW INSIGHTS INTO ALLERGEN IMMUNOTHERAPY</b> <i>Anthony Bosco, Telethon Kids Institute, WA</i>
<b>1230 - 1300</b>	<b>Lunch</b>	
<b>1230 - 1400</b>	<b>ICB/CTI Editorial Board Meeting <i>Hamersley Room</i></b>	
<b>1300 – 1400</b>	<b>BD Science and Communication Session <i>Room: Golden Ballroom North and Centre</i></b> <i>Chair: Cindy Ma &amp; Jane Allan</i>	
1300 - 1310	<b>THE DANCE OF DEATH AND INFLUENZA A VIRUS INFECTION</b> <i>Georgia Atkin-Smith</i>	
1310 - 1320	<b>NLRP3 INFLAMMASOME A DOUBLE EDGED SWORD IN COLITIS AND COLORECTAL CANCER</b> <i>Agampodi Promoda Perera</i>	
1320 - 1330	<b>DONOR OR RECIPIENT, WHO IS MORE IMPORTANT IN ORGAN TRANSPLANTATION?</b> <i>Amy Prosser</i>	
1330 - 1340	<b>IMMUNE CELLS, CALLED MACROPHAGES, INCREASE IN THE TUMOURS OF ELDERLY HOSTS</b> <i>Lelinh Duong</i>	
1340 - 1350	<b>NOVEL ADJUVANTS FOR A MALARIA VACCINE</b> <i>Ana Maria Valencia Hernandez</i>	
1350 - 1400	<b>SELF-DEFENCE OR SELF-ATTACK? WHEN IMMUNE CELLS TURN AGAINST YOU</b> <i>Catriona Nguyen-Robertson</i>	

1400 - 1600		WORKSHOPS & CONCURRENT SESSIONS		
1400 - 1600	7.A ALLERGY/CLINICAL IMMUNOLOGY	7.B DIFFERENTIATION/MIGRATION/SIGNALLING	7.C TUMOUR IMMUNOLOGY	7.D HOST/PATHOGEN INTERACTION
ROOM	Golden Ballroom South	Hamersley	Golden Ballroom North & Centre	Goldsworthy
CHAIR	Elissa Deenick & Paul Cameron	Claudia Nold & Axel Kallies	Ruth Ganss & Helen McGuire	Bernadette Saunders & Kim Jacobson
1400 - 1415	<b>GAIN-OF- FUNCTION IKBKB MUTATION CAUSES HUMAN COMBINED IMMUNE DEFICIENCY</b> <i>Chelisa Cardinez</i>	<b>IMPAIRED REGULATION OF PI3-KINASE SIGNALLING RESULTS IN MULTIPLE B AND T CELL DEFECTS</b> <i>Tina Nguyen</i>	<b>TISSUE-SPECIFIC DIFFERENCES IN THE TUMOUR MICROENVIRONMENT AND THEIR INFLUENCE ON IMMUNOTHERAPEUTIC RESPONSES</b> <i>Amanda Oliver</i>	<b>THE EFFECT OF PATHOGEN ADAPTATION ON HUMAN T CELL FUNCTION AND T CELL RECEPTOR DIVERSITY</b> <i>Silvana Gaudieri</i>
1415 - 1430	<b>STAT3-ACTIVATING MUTATIONS IDENTIFIED IN AUTOIMMUNITY AND MALIGNANCY RESULT IN A LARGE EXPANSION OF ABERRANT CD8 T CELLS IN BOTH MICE AND HUMANS</b> <i>Etienne Masle-farquhar</i>	<b>CCR2-DIRECTED RECRUITMENT OF IL-17- EXPRESSING T CELL SUBSETS TO THE INFLAMED CENTRAL NERVOUS SYSTEM</b> <i>Iain Comerford</i>	<b>GENERATION OF NEW CARs AGAINST LEWIS Y TUMOR ANTIGEN FOR TARGETING SOLID CANCERS</b> <i>Deborah Meyran</i>	<b>THE OCULAR VIROME CONTAINS A COMMON VIRUS THAT CAUSES CHRONIC INFLAMMATION DESPITE A FULLY FUNCTIONAL IMMUNE SYSTEM</b> <i>Valentina Voigt</i>
1430 - 1445	<b>PROFILING ROGUE LYMPHOCYTES IN AUTOIMMUNE DISEASE USING SINGLE-CELL MULTI-OMICS</b> <i>Manu Singh</i>	<b>TRANSCRIPTION FACTOR BACH2 CONTROLS REGULATORY T CELL DIFFERENTIATION BY ATTENUATING T CELL RECEPTOR-DEPENDENT TRANSCRIPTION</b> <i>Tom Sidwell</i>	<b>IMPAIRED NK CELL FUNCTION AND IMMUNE SYNAPSE FORMATION IN HODGKIN LYMPHOMA.</b> <i>Karolina Bednarska</i>	<b>INTERACTIONS OF DENDRITIC CELLS WITH B CELLS: CLEC9A-MEDIATED ANTIGEN PRESENTATION BY CDC1 FACILITATES B CELL ACTIVATION, A KEY STEP IN TFH FORMATION AND ANTIBODY PRODUCTION.</b> <i>Irina Caminschi</i>

1445 – 1500	<b>RECOGNITION OF NON-LIPID ANTIGENS BY CD1D-RESTRICTED TYPE-II NKT CELLS</b> <i>Catarina Almeida</i>	<b>MOLECULAR AND CELLULAR REGULATION OF HUMAN TH9 CELL DIFFERENTIATION</b> <i>Lisa Worley</i>	<b>MASS CYTOMETRIC PROFILING OF CELL DEATH IN MULTIPLE MYELOMA REVEALS A NEW SYNERGY BETWEEN GLUCOCORTICOIDS AND BH3 MIMETIC DRUGS</b> <i>Daniel Gray</i>	<b>A CHEMICAL BIOLOGY TOOLBOX IDENTIFYING DOT1L AS A CRUCIAL REGULATOR OF THE TH1 PROGRAM</b> <i>Sebastian Scheer</i>
1500 – 1515	<b>SYSTEM ANALYSIS OF IMMUNO-METABOLIC HOST RESPONSES DURING NEONATAL SEPSIS</b> <i>Sherrienne Ng</i>	<b>QUANTITATIVE ASSAYS TO MEASURE B LYMPHOCYTE RESPONSES IN HUMAN HEALTH AND IMMUNODEFICIENCY</b> <i>Jessica Tempany</i>	<b>SPONTANEOUS INACTIVATION OF ADOPTIVELY TRANSFERRED CYTOTOXIC T LYMPHOCYTES (CTL) IN A B-CELL LYMPHOMA MODEL</b> <i>Sathishkumar Selvaraj</i>	<b>CD27-MEDIATED STIMULATION OF HUMAN CD4+ T CELLS LEADS TO REDUCTION IN ACTIVE HIV-PRODUCTION</b> <i>Simone Nuessing</i>
1515 – 1530	<b>USING SUSPENSION AND IMAGING MASS CYTOMETRY TO TRACK CHANGES TO HAEMATOPOIESIS AND CELLULAR INFILTRATION IN NEUROPATHOLOGY</b> <i>Thomas Ashhurst</i>	<b>MACROPHAGE MIGRATION INHIBITORY FACTOR (MIF) IS REQUIRED FOR NLRP3 INFLAMMASOME ACTIVATION</b> <i>James Harris</i>	<b>DYSFUNCTIONAL PHENOTYPE OF TUMOUR ASSOCIATED T CELLS IN MALIGNANT PLEURAL EFFUSION</b> <i>Alison McDonnell</i>	<b>UNDERSTANDING CD4+ TCRS RECOGNITION OF A SINGLE HIV EPIOTOPE PRESENTED BY MULTIPLE HLA CLASS II MOLECULES</b> <i>Carine Farenc</i>
1530 – 1545	<b>AN INTEGRATED HIGH-DIMENSIONAL VIEW ON DENDRITIC CELL AND MONOCYTE SUBPOPULATIONS IN HUMAN PERIPHERAL BLOOD</b> <i>Patrick Günther</i>	<b>UNIQUE CELLULAR SOURCES OF CXCR3 LIGANDS DIRECT INTRANODAL T CELL POSITIONING AND INTERACTIONS FOLLOWING VIRAL INFECTION.</b> <i>Joanna Groom</i>	<b>IDENTIFYING THE BEST NK CELLS TO USE AS A CELLULAR THERAPY FOR THE TREATMENT OF ACUTE LYMPHOBLASTIC LEUKAEMIA (ALL)</b> <i>Bree Foley</i>	<b>UNRAVELLING THE ROLES OF GROUP 1 INNATE LYMPHOID CELLS IN CHRONIC VIRAL INFECTION</b> <i>Iona Schuster</i>
1545 - 1600	<b>TARGETING RESIDENT AND INFILTRATING MYELOID CELLS DURING MULTIPLE SCLEROSIS</b> <i>Anna La Flamme</i>	<b>CD8+ T CELL ACTIVATION LEADS TO CONSTITUTIVE FORMATION OF LIVER TISSUE-RESIDENT MEMORY T CELLS THAT SEED A LARGE AND FLEXIBLE NICHE WITHIN THE LIVER</b> <i>Lauren Holz</i>	<b>TARGETING THE ADENOSINE PATHWAY TO ENHANCE CAR T CELL THERAPY AGAINST SOLID TUMOURS</b> <i>Kevin Sek</i>	<b>THE EXPRESSION PATTERN OF LIVER STAGE MALARIA PARASITE ANTIGENS DEFINES PROTECTIVE CAPACITY OF SPECIFIC LIVER RESIDENT MEMORY T CELLS AGAINST MALARIA</b> <i>Daniel Fernandez-Ruiz</i>
<b>1600 - 1700</b>	<b>Posters and Afternoon Tea</b>			



**MONDAY**

<b>1730 – 1830</b>	<b>Burnet Oration</b> <i>Chair: Susanne Heinzl</i>
	<b>Franca Ronchese,</b> <i>Malaghan Institute of Medical Research, Victoria University of Wellington, NEW ZEALAND</i>

**TUESDAY 4 DECEMBER 2018**

<b>0730</b>	<b>Registration desk open</b>	
<b>0815 – 1030</b>	<b>PLENARY SESSION – Inflammation</b> <i>Chair: Philip Hansbro &amp; Dale Godfrey</i>	
0815 – 0845	<b>GUT REACTIONS: HOST MICROBIOME INTERACTIONS IN THE INTESTINE IN HEALTH AND DISEASE</b> <b>Fiona Powrie FRS, Kennedy Institute for Rheumatology, University of Oxford, UNITED KINGDOM</b>	
0845 – 0915	<b>KREBS CYCLE REPROGRAMMED FOR CYTOKINES</b> <b>Luke O'Neill, Trinity College, Dublin, IRELAND</b>	
0915 – 0945	<b>THE NON-CANONICAL INFLAMMASOME PROVIDES HOST DEFENSE BY LAUNCHING NEUTROPHIL EXTRACELLULAR TRAPS</b> <b>Kate Schroder, Institute for Molecular Bioscience, University of Queensland, QLD</b>	
0945 – 1015	<b>MAITS AND THEIR MATES</b> <b>Paul Klenerman, Translational Gastroenterology Unit, University of Oxford, UNITED KINGDOM</b>	
<b>1030 – 1100</b>	<b>Morning Tea</b>	
<b>1100 – 1230</b>	<b>SYMPOSIUM</b>	
	<b>10.A Innate Immunity</b> Chair: Gabrielle Belz & Shaune McColl	<b>10.B Adaptive Immunity</b> Chair: Ranjeny Thomas & Chris Parish
<b>ROOM</b>	<b>Golden Ballroom South</b>	<b>Golden Ballroom North &amp; Centre</b>
1100 – 1120	<b>IDENTIFYING THE REGULATORS OF TYPE 2 IMMUNITY IN ALLERGIC DISEASE</b> <b>Graham Le Gros, Malaghan Institute of Medical Research, Wellington, NEW ZEALAND</b>	<b>DISSECTION OF THE ANTIGEN-SPECIFIC B CELL RESPONSE TO MALARIA OPENS THE DOOR TO NEW VACCINE STRATEGIES</b> <b>Ian Cockburn, The John Curtin School of Medical Research, Australian National University, ACT</b>



1120 – 1140	<b>REGULATION OF T CELL DEVELOPMENT, TRAFFICKING AND METABOLISM BY THE MTOR COMPLEX II</b> <b>Bing Su</b> , <i>Shanghai Institute of Immunology, Shanghai Jiaotong University School of Medicine, CHINA</i>  <i>Sponsored by Walter and Elisa Hall Institute</i>		<b>CYTOMEGALOVIRUS AND TRANSPLANTATION: DEFINING RISK FACTORS AND IMPROVING OUTCOMES</b> <b>Chris Andoniou</b> , <i>Centre for Ophthalmology and Visual Science, The University of Western Australia, WA</i>	
1140 – 1200	<b>THE INFLAMMATORY RESPONSE TO TRANSPLANTATION</b> <b>Michaela Lucas</b> , <i>The University of Western Australia, WA</i>		<b>Jan Petersen</b> , <i>Biochemistry &amp; Molecular Biology, Monash University, VIC</i>	
1200 – 1220	<b>THE TRANSCRIPTIONAL IDENTITY OF SPLEEN STROMAL CELL SUBSETS REVEALS SPECIALISED FUNCTIONS FOR THE SUPPORT OF IMMUNE RESPONSES.</b> <b>Scott Mueller</b> , <i>University of Melbourne, VIC</i>		<b>Ajithkumar Vasanthakumar</b> , <i>Peter Doherty Institute, The University of Melbourne, VIC</i>	
1230 - 1400	Lunch			
1245 - 1400	ASI AGM Hamersley Room			
<b>WORKSHOPS / CONCURRENT SESSIONS</b>				
1400 - 1600	<b>11.A TRANSPLANTATION/CLINICAL</b> Chair: Rajiv Khanna & Di Yu	<b>11.B INFECTION AND IMMUNITY</b> Chair: Irina Caminschi & Bree Foley	<b>11.C EARLY LIFE/AGEING</b> Chair: Delia Nelson & Daniela Frasca	<b>11.D INNATE IMMUNITY/INFLAMMATION</b> Chair: Dan Andrews & Iain Comerford
ROOM	Golden Ballroom South	Hamersley	Golden Ballroom North & Centre	Goldsworthy
1400 - 1415	<b>RESTRUCTURING THE T CELL LANDSCAPE IN ORGAN TRANSPLANT PATIENTS WITH RECURRENT AND/OR DRUG RESISTANT CYTOMEGALOVIRUS INFECTION USING ADOPTIVE CELLULAR IMMUNOTHERAPY</b> <i>Corey Smith</i>	<b>STRUCTURAL CONSTRAINTS OF AN EFFECTIVE ANTIVIRAL IMMUNE RESPONSE</b> <i>Pirooz Zareie</i>	<b>SURVIVAL OF CD8 T CELL SUBSETS DURING AGEING IS DIFFERENTIALLY CONTROLLED BY HOMEOSTATIC SIGNALS AND METABOLIC REMODELLING</b> <i>Kylie Quinn</i>	<b>AN INTERACTION BETWEEN CLASS IIA HISTONE DEACETYLASES AND PYRUVATE KINASE M2 DRIVES IMMUNOMETABOLISM-RELATED INFLAMMATORY RESPONSES IN MACROPHAGES</b> <i>Kaustav Das Gupta</i>

1415 - 1430	<p><b>HEMATOPOIETIC STEM CELL TRANSPLANT EFFECTIVELY RESCUES LYMPHOCYTE DIFFERENTIATION AND FUNCTION IN DOCK8-DEFICIENT PATIENTS</b></p> <p><i>Bethany Pillay</i></p>	<p><b>NEW INSIGHTS INTO ONTOGENY AND FUNCTION OF TISSUE-RESIDENT MEMORY T CELLS</b></p> <p><i>Sarah Sharon Gabriel</i></p>	<p><b>INTERPLAY BETWEEN FOLLISTATIN, ACTIVIN A AND BMP4 SIGNALING REGULATES POSTNATAL THYMIC EPITHELIAL PROGENITOR CELL DIFFERENTIATION DURING AGING</b></p> <p><i>Ann Chidgey</i></p>	<p><b>EXTRACELLULAR SODIUM BOOSTS PRO-INFLAMMATORY MACROPHAGE DEFENSES VIA AUTOPHAGY AND CELLULAR METABOLISM DURING LEISHMANIA INFECTION</b></p> <p><i>Katrina Binger</i></p>
1430 – 1445	<p><b>EXPERIMENTAL BCG VACCINES CONFER SUPERIOR PROTECTION AGAINST MYCOBACTERIUM TUBERCULOSIS INFECTION IN A MURINE MODEL OF TYPE 2 DIABETES</b></p> <p><i>Harindra Sathkumara</i></p>	<p><b>DEVELOPMENT OF PLASMODIUM-SPECIFIC LIVER RESIDENT-MEMORY CD8+ T CELLS AFTER HEAT-KILLED IMMUNIZATION</b></p> <p><i>Sonia Ghilas</i></p>	<p><b>ADOLESCENT PULMONARY IMMUNE SYSTEM AFTER IN UTERO EXPOSURE TO IONISING RADIATION.</b></p> <p><i>James McEvoy</i></p>	<p><b>CD8+XCR1NEG DCs DISPLAY A MIXED PDC/CDC2 TRANSCRIPTIONAL PROFILE AND EXPRESS HIGH LEVELS OF TLR5</b></p> <p><i>Ben Wylie</i></p>
1445 - 1500	<p><b>USING SINGLE-CELL GENOMICS TO RESOLVE PATHOGENIC VS REGULATORY CD4+ T CELL DIVERSIFICATION IN VIVO IN A MODEL OF ACUTE-GUT MEDIATED GRAFT-VS-HOST DISEASE</b></p> <p><i>Jessica Engel</i></p>	<p><b>DISSECTING THE MOLECULAR MECHANISMS UNDERPINNING T CELL HELP FOR DENDRITIC CELL</b></p> <p><i>Elise Gressier</i></p>	<p><b>DER P PROTEASE INHIBITORS IN BREASTMILK AS A STRATEGY TO PREVENT ALLERGY IN EARLY LIFE</b></p> <p><i>Patricia Macchiaverni</i></p>	<p><b>NEW Mvk MUTANT MOUSE MODELS OF THE AUTOINFLAMMATORY DISEASE MEVALONATE KINASE DEFICIENCY REVEAL TEMPERATURE-SENSITIVE DEFECTS IN PROTEIN PRENYLATION</b></p> <p><i>Marcia Munoz</i></p>
1500 – 1515	<p><b>IMMUNE RECONSTITUTION AFTER HAEMATOPOIETIC STEM CELL TRANSPLANTATION AND ITS RELATION TO HUMAN CYTOMEGALOVIRUS REACTIVATION</b></p> <p><i>Lauren Stern</i></p>	<p><b>HUMORAL IMMUNE RESPONSES TO PLASMODIUM VIVAX MALARIA: APPLICATION TO SERO-SURVEILLANCE FOR ACCELERATED ELIMINATION OF MALARIA</b></p> <p><i>Rhea Longley</i></p>	<p><b>THE INFLUENCE OF MICROBIOTA IN EARLY-LIFE ON OPTIMAL VACCINE RESPONSES</b></p> <p><i>David Lynn</i></p>	<p><b>ROLE OF NLRP3 INFLAMMASOME IN COLITIS AND COLITIS ASSOCIATED COLORECTAL CANCER</b></p> <p><i>Agampodi Promoda Perera</i></p>

1515 – 1530	<b>MODELLING STERILE INFLAMMATION: DEVELOPMENT OF HELPER T-CELL RESPONSE IN SYNGENIC AND ALLOGENIC MODELS OF HETEROTOPIC HEART TRANSPLANTATION</b> <i>Michaela Lucas</i>	<b>CIRCULATING TFH CELLS, SEROLOGICAL MEMORY AND TISSUE COMPARTMENTALIZATION SHAPE HUMAN INFLUENZA-SPECIFIC B CELL IMMUNITY</b> <i>Marios Koutsakos</i>	<b>AGEING LEADS TO INCREASED SUPPRESSIVE TUMOUR-ASSOCIATED MACROPHAGES WITH HYPERACTIVATED AKT SIGNALLING WHICH CORRESPONDS WITH FASTER MESOTHELIOMA GROWTH</b> <i>Lelinh Duong</i>	<b>SCIMP IS A NOVEL TLR4 ADAPTOR PROTEIN THAT FINE-TUNES INFLAMMATORY RESPONSES IN MACROPHAGES</b> <i>James Curson</i>
1530 – 1545	<b>IDENTIFICATION OF A HUMAN TISSUE INFILTRATING GAMMA DELTA T CELL SUBSET THAT UNDERGOES CLONAL EXPANSION IN VIRAL INFECTION</b> <i>Martin Davey</i>	<b>INTRINSIC EXPRESSION OF T-BET IN B CELLS MODULATES GERMINAL CENTRE DARK ZONE-LIGHT ZONE POLARIZATION AND INFLUENCES ANTIBODY AFFINITY MATURATION IN RESPONSE TO MALARIA</b> <i>Diana Hansen</i>	<b>B CELLS CAN MODULATE INFLAMMATORY PROCESSES DURING PERI-IMPLANTATION TO ENABLE PREGNANCY SUCCESS</b> <i>Ruth Marian Guzman-Genuino</i>	<b>THE ROLE OF LIVER CAPSULAR MACROPHAGES IN FIBROSIS</b> <i>Sioh-yang Tan</i>
1545 - 1600	<b>ANTIGEN-SPECIFIC IMMUNOTHERAPY FOR TYPE 1 DIABETES</b> <i>Emma Hamilton-Williams</i>	<b>MODULATION OF INTERLEUKIN-22 ALLEVIATES RESPIRATORY VIRAL INFECTION BY PROMOTING EPITHELIAL INTRINSIC TYPE I INTERFERON RESPONSE</b> <i>Ran Wang</i>	<b>THE INTERLEUKIN 37 PATHWAY IN NECROTISING ENTEROCOLITIS: DEFICIENT IN HUMANS, PROTECTIVE IN MICE.</b> <i>Claudia Nold</i>	<b>UNRAVELLING THE MOLECULAR MECHANISM OF HOW MR1 PRESENTS A PATHOGEN METABOLIC SIGNATURE TO MAIT CELLS</b> <i>Hamish McWilliam</i>
<b>1600 - 1700</b>	<b>Posters and Afternoon Tea</b>			
<b>1700 - 1830</b>	<b>New Investigator Session</b> <i>Chair: Kate Schroder &amp; Paul Beavis</i>			
1700 - 1715	<b>THE DISASSEMBLY OF APOPTOTIC MONOCYTES MEDIATES THE PROPAGATION OF INFLUENZA A VIRUS</b> Georgia Atkin-Smith			
1715 - 1730	<b>AUTOANTIBODY REDEMPTION AS A PATH TO RAPID SELF/FOREIGN DIFFERENTIATION</b> Deborah Burnett			



**TUESDAY**

1730 - 1745	<b>MATERNAL IMMUNOMODULATION AS A STRATEGY TO PROTECT OFFSPRING AGAINST ALLERGIC AIRWAY INFLAMMATION</b> Kyle Mincham
1745 - 1800	<b>MEMORY B CELLS ARE REACTIVATED IN SUBCAPSULAR PROLIFERATIVE FOCI IN LYMPH NODES</b> Imogen Moran
1800 - 1815	<b>TISSUE-RESIDENT CD8+ MEMORY T CELLS PROMOTE CANCER-IMMUNE EQUILIBRIUM IN SKIN</b> Simone Park
1815 - 1830	<b>DONOR-DERIVED AND TISSUE-RESIDENT LEUKOCYTES INFLUENCE THE OUTCOME OF SOLID ORGAN TRANSPLANTATION</b> Amy Prosser
<b>-2000 - 2200</b>	<b>Student Function</b>

**WEDNESDAY 5 DECEMBER 2018**

<b>0730</b>	<b>Registration desk opens</b>
<b>0830 – 1045</b>	<b>PLENARY SESSION – Activation/Differentiation I</b> <i>Chair: Mariapia Degli-Esposti &amp; Diana Hansen</i>
0830 – 0900	<b>Ellen Rothenberg</b> , <i>Division of Biology and Biological Engineering, California Institute of Technology, UNITED STATES</i>
0900 – 0930	<b>ACHIEVING SIGNAL SPECIFICITY; INTERLEUKIN-21 AND STATS</b> <b>Cecile King</b> , <i>Department of Immunology, The Garvan Institute of Medical Research, NSW</i>
0930 – 1000	<b>WHY DO WE SCAR? A CELL LINEAGE PERSPECTIVE ON SCAR TISSUE DEVELOPMENT AND DIVERSITY</b> <b>Yuval Rinkevich</b> , <i>German Centre for Lung Research, German Research Centre for Environmental Health, GERMANY</i>
1000 – 1030	<b>MOLECULAR CONTROL OF EFFECTOR AND TISSUE REGULATORY T CELL DIFFERENTIATION</b> <b>Axel Kallies</b> , <i>Peter Doherty Institute, University of Melbourne, VIC</i>
1030 – 1045	<b>Discussion</b>
<b>1045 - 1115</b>	<b>Morning Tea</b>
<b>1115 - 1215</b>	<b>PLENARY SESSION – Tumour Immunology</b> <i>Chair: Scott Fisher &amp; Roslyn Kemp</i>
1115 – 1145	<b>THERAPEUTIC INDUCTION OF INTRATUMORAL LYMPH NODES ENHANCES IMMUNOTHERAPY IN RESISTANT TUMOURS</b> <b>Ruth Ganss</b> , <i>Harry Perkins Institute of Medical Research, University of Western Australia, WA</i>
1145 – 1215	<b>AGEING AND THE HUMAN IMMUNE SYSTEM IN THE ERA OF IMMUNOMODULATORY ANTIBODY THERAPY FOR CANCER: IS IT ALL DOWNHILL?</b> <b>Graham Pawelec</b> , <i>Second Department of Internal Medicine, University Hospital Tuebingen, GERMANY and Health Sciences North Research Institute CANADA</i>
<b>1215 - 1400</b>	<b>Lunch</b>

1400 – 1600	WORKSHOPS / CONCURRENT SESSIONS			
	15.A STROMAL/MUCOSAL	15.B TUMOUR 2	15.C IMMUNE REGULATION/INTERVENTION	15.D ICB, CTI & ASI Prize Winners
ROOM	Golden Ballroom South	Hamersley	Golden Ballroom North & Centre	Goldsworthy
CHAIR	Scott Mueller & Jonatan Leffler	Jason Waithman & Georgina Clark	Prue Hart & Michael Hickey	Anne La Flamme & Stuart Tangye
1400 - 1415	<p><b>AN ESSENTIAL ROLE FOR THE CHEMOTACTIC PROTEINS CXCL3 AND CXCL5 IN THE INDUCTION OF RHINOVIRAL-INDUCED ASTHMA EXACERBATION THROUGH CXCR2</b></p> <p><i>Leon Sokulsky</i></p>	<p><b>DESCRIBING THE IMMUNE LANDSCAPE OF BREAST CANCERS USING MULTIMODAL SINGLE-CELL GENOMICS</b></p> <p><i>Ghamdan (Gammy) Al-Eryani</i></p>	<p><b>MHCI EXPRESSION LEVEL DELIMITS NAÏVE CD8 T CELL POPULATION SIZE AND QUALITY</b></p> <p><i>Xavier Sng</i></p>	<p><b>MURINE LRBA-DEFICIENCY CAUSES CTLA-4 DEFICIENCY IN TREGS WITHOUT PROGRESSION TO IMMUNE DYSREGULATION</b></p> <p><i>Deborah Burnett</i></p>
1415 - 1430	<p><b>PILVAX, A NOVEL APPROACH FOR GENERATING MUCOSAL RESPONSES TO STAPHYLOCOCCUS AUREUS</b></p> <p><i>Fiona Radcliff</i></p>	<p><b>MODELLING RESISTANCE IN MELANOMA IMMUNOTHERAPY USING CRISPR/CAS9</b></p> <p><i>Maike Effern</i></p>	<p><b>THE IDENTIFICATION OF NOVEL REGULATORS OF ANTIBODY SECRETING CELL BIOLOGY</b></p> <p><i>Stephanie Trezise</i></p>	<p><b>HUMAN BLOOD MAIT CELL SUBSETS DEFINED USING MR1 TETRAMERS</b></p> <p><i>Dale Godfrey</i></p>
1430 – 1445	<p><b>THE LYMPH NODE STROMAL MICROENVIRONMENT UNILATERALLY REGULATES HUMAN T CELL ACTIVATION AND DIFFERENTIATION</b></p> <p><i>Anne Fletcher</i></p>	<p><b>IMIQUIMOD RESPONSE IN LENTIGO MALIGNA IS ASSOCIATED WITH A DISTINCT PRE-TREATMENT IMMUNE GENE SIGNATURE</b></p> <p><i>Han Xian Aw Yeang'</i></p>	<p><b>REGULATORY T CELL NECROPTOSIS</b></p> <p><i>Charis Teh</i></p>	<p><b>HUMAN MAIT CELLS SHOW METABOLIC QUIESCENCE WITH RAPID GLUCOSE-DEPENDENT UPREGULATION OF GRANZYME B UPON STIMULATION</b></p> <p><i>Paul Klenerman</i></p>
1445 - 1500	<p><b>LOST IN TRANSLATION – EFFEROCYTOSIS OF SHORT-LIVED MESENCHYMAL STROMAL CELLS IS CRITICAL FOR THEIR IMMUNOSUPPRESSIVE EFFECTS</b></p>	<p><b>DIVERGENT T-CELL RECEPTOR RECOGNITION MODES OF A HLA-I RESTRICTED EXTENDED TUMOUR-ASSOCIATED PEPTIDE</b></p> <p><i>Benjamin Gully</i></p>	<p><b>REGULATION OF REGULATORY T CELL STABILITY BY THE LYSINE METHYLTRANSFERASE G9A</b></p> <p><i>Jessica Runting</i></p>	<p><b>GPR65 INHIBITS EAE THROUGH CD4+ T CELL INDEPENDENT MECHANISMS THAT INCLUDE EFFECTS ON INKT CELLS</b></p> <p><i>Marcel Batten</i></p>



**WEDNESDAY**

	<i>Tracey Heng</i>			
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1500 – 1515	<b>AWAKENING T-CELLS IN THE IMMUNOSUPPRESSIVE TUMOUR MICROENVIRONMENT</b> <i>Konstantin Knoblich</i>	<b>EXPLORING THE GERM-LINE CONTRIBUTION TO EXCEPTIONAL RESPONSE TO PD-1/PD-L1 INHIBITION IN PATIENTS WITH NSCLC BY WHOLE GENOME SEQUENCING</b> <i>Megan Barnet</i>	<b>THE HELMINTH DERIVED PEPTIDE FhHDM-1 PROTECTS AGAINST ASTHMA BY MODULATING THE RATIO OF ALVEOLAR AND INTERSTITIAL MACROPHAGES IN THE LUNG</b> <i>Akane Tanaka</i>	<b>ADOPTIVE CELL THERAPY WITH CD4+ T HELPER 1 CELLS AND CD8+ CYTOTOXIC T CELLS ENHANCES COMPLETE REJECTION OF AN ESTABLISHED TUMOUR, LEADING TO GENERATION OF ENDOGENOUS MEMORY RESPONSES TO NON-TARGETED TUMOUR EPITOPES</b> <i>Sarah Young</i>
1515 – 1530	<b>POOR MATERNAL DIET PREDISPOSES TO SEVERE VIRAL BRONCHIOLITIS AND LATER ASTHMA BY PERTURBING THE OFFSPRING'S MICROBIOME AND pDC DEVELOPMENT.</b> <i>Al Amin Sikder</i>	<b>PRE-TREATMENT IMMUNE RESPONSES TO TUMOUR NEO-ANTIGENS PREDICTS RESPONSE TO CHECKPOINT BLOCKADE IMMUNOTHERAPY.</b> <i>Shaokang Ma</i>	<b>REGULATORY T CELLS DIFFERENTIALLY UNDERGO TRANSMIGRATION OR PROLONGED INTRAVASCULAR PATROLLING AT DISTINCT PHASES OF THE INFLAMMATORY RESPONSE</b> <i>Michael Hickey</i>	<b>REPEAT PNEUMOCOCCAL POLYSACCHARIDE VACCINATION DOES NOT IMPAIR FUNCTIONAL IMMUNE RESPONSES AMONG INDIGENOUS AUSTRALIANS</b> <i>Paul Licciardi</i>
1530 – 1545	<b>A NEW ROLE FOR AN OLD CYTOKINE? G-CSF LINKS DESTRUCTIVE INFLAMMATION AND COMORBIDITIES IN OBSTRUCTIVE LUNG DISEASE</b> <i>Evelyn Tsantikos</i>	<b>ANTAGONISM OF IAPS ENHANCES CAR T CELL EFFICACY</b> <i>Jessica Michie</i>	<b>NEW PARTICIPANTS AND PATHWAYS IN IMMUNE RECEPTOR TRAFFICKING.</b> <i>Justine Mintern</i>	<b>EXAMINING THE ROLE OF IL-26 IN RESPIRATORY SYNCYTIAL VIRUS BRONCHIOLITIS PATHOGENESIS</b> <i>Elena Cavallaro</i>
1545 - 1600	<b>T CELLS REQUIRE EXPRESSION OF THE TRANSCRIPTIONAL REPRESSOR HIC1 TO MAINTAIN PROTECTIVE TISSUE RESIDENT MEMORY POPULATIONS</b> <i>Michael Bramhall</i>	<b>TYPE 1 INTERFERON ALPHA AND INTERFERON BETA DIFFER IN THE ABILITY TO MEDIATE ANTI-TUMOUR IMMUNE RESPONSES IN MELANOMA</b> <i>Clara Ta</i>	<b>BROAD CD8+ T CELL RECEPTOR CROSS-RECOGNITION OF DISTINCT INFLUENZA A STRAINS IS FACILITATED BY MOLECULAR MIMICRY IN HUMANS</b> <i>Emma Grant</i>	<b>THE PRESENCE OF TERTIARY LYMPHOID ORGANS IS ASSOCIATED WITH A UNIQUE GENE-EXPRESSION PROFILE AND BACTERIAL DYSBIOSIS IN CHRONIC RHINOSINUSITIS</b> <i>Sathish Paramasivan</i>
<b>1600 - 1700</b>	<b>Posters and Afternoon Tea</b>			
<b>1700 - 1800</b>	<b>Lafferty Debate – Size Does Matter, Bigger Data is Better</b>			
<b>1830 - Late</b>	<b>Conference Dinner (For ticket holders)</b> <i>Beaumont on the Point, Guests are required to make their own way to the venue located at Fraser Point about a 10 minute walk from the Pan Pacific Hotel</i>			





**THURSDAY**

**THURSDAY 6 DECEMBER 2018**

<b>0830</b>	<b>Registration desk open</b>
<b>0930 – 1030</b>	<b>PLENARY SESSION – Activation/Differentiation II</b> <i>Chair: Philip Hodgkin</i>
<b>0930 – 1000</b>	<b>LEVERAGING DENDRITIC CELL SUBSETS FOR ANTIGEN-SPECIFIC IMMUNISATION AND TOLERANCE</b> <b>Ranjey Thomas, University of Queensland</b>
<b>1000 – 1030</b>	<b>T CELL RECEPTOR CLUSTERING – A MECHANISM OF SINGLE TRANSDUCTION</b> <b>Katharina Gaus, EMBL Australia Node in Single Molecule Science, ARC Centre of Excellence in Advanced Molecular Imaging, University of New South Wales, NSW</b>
<b>1030 - 1100</b>	<b>Morning Tea</b>
<b>1100 – 1200</b>	<b>PRESIDENT’S LECTURE AND CLOSING</b> <i>Chair: John Fraser</i>
<b>1100 - 1130</b>	<b>Susanne Heinzl,</b> <i>Walter and Eliza Hall Institute of Medical Research, VIC</i>
<b>1130 - 1135</b>	<b>2019 ASI ASM Announcement</b>
<b>1135 - 1200</b>	<b>Awards and Close</b>