

WEDNESDAY 20TH APRIL, 2016

8:00am - 9:00am	Registration	
8:50am- 10:00am	SESSION ONE	
8:50am	Welcome Rajiv Khanna	
9:00am	Opening Plenary Lecture Professor Dario Campana Cellular immunotherapy of cancer	abs#001
9:30am	Keynote Lecture Professor Michael Good Modelling immunity to group A streptococcus (GAS) reveals that a failure of strain-specific immune induction may underlie the epidemic of streptococcal pyoderma: overcoming immune resistance through vaccination	abs#002
10:00am-10:30am	Morning Tea	
10:30am-12:00pm	SESSION TWO: Advances in Immuno-oncology Chair: Associate Professor Phil Darcy	
	Professor Evan Newall Identifying and profiling tumor specific T cells using mass cytometry and highly multiplexed peptide-MHC tetramer staining	abs#003
	Dr. Marc Pellegrini A vulnerable liaison - TNF, host cell IAPs and our pathogens	abs#004
	Dr. Michele Teng Superior power of neoadjuvant immunotherapy to eradicate metastatic disease	abs#005
11:30am	<u>Discussion Forum – Advances in Immuno-oncology</u> Chair: Associate Professor Phil Darcy Dr. Evan Newall, Dr. Marc Pellegrini and Dr. Michele Teng	
12:00pm - 1:00pm	Lunch	
1:00pm - 2:00pm	SESSION THREE: CAR T cells – Preclinical Development to Clinical Application Chair: Professor Gabrielle Belz Dr. Siok Tey Safety Switches for T Cells	abs#007

A/Prof. Phil Darcy

Enhancing adoptive cellular therapy by targeting tumor-induced immunosuppression

abs#008

Mariusz Skwarczynski

Liposomes in intranasal and oral delivery of lipopeptide-based vaccines

abs#009

2:00pm - 3:00pm

SESSION FOUR: Clinical Trial Designs for Immunotherapy and Novel Vaccines

Chair: Dr Ian Barr

Professor Ranjeny Thomas

Antigen-specific tolerizing immunotherapy for rheumatoid arthritis: towards precision medicine

abs#010

Dr. Suzanne Elliott

Critical Design Elements for a Successful Vaccine Trial

abs#011

Mehfuz Zaman

Development of a liposomal mucosal vaccine delivery system against an upper respiratory tract pathogen (Group A Streptococcus)

abs#012

3:00pm - 3:25pm

Afternoon Tea

3:25pm - 4:10pm

SESSION FIVE: Young Investigators Abstract Presentations

Chair: Dr Michelle Wykes

Ms. Nicola MacLennan

Lipovaxin, a versatile liposomal vaccine delivery platform, combining antigens with immune-stimulatory particles for improved immune responses

abs#013

Dr Stacy Scott

New Zealand regulation of medicines that contain genetically modified organisms

abs#014

Ms. Louise A Carolan

Characterisation of the localised immune response in the respiratory tract of ferrets following infection with influenza A and B viruses

abs#015

4:10pm - 5:20pm

SESSION SIX: Innate Immune Response and Vaccine Design

Chair: Dr Christian Engwerda

Dr. Florent Ginhoux

Dendritic Cell and Macrophage Ontogeny

abs#016

Associate Professor Michele Grimaldeston

Novel approaches to control mast cell function in allergic inflammation

abs#017

Mr Branka Grubor-Bauk

New life from dead cells: A novel necrotic cell vaccine, encoding the hepatitis C virus NS3 protein, induces superior cell mediated immune responses, compared to those of a live cell vaccine.

abs#018

Ms. Victoria Ozberk

Development of a novel intranasal vaccine to prevent upper respiratory tract infection by group A streptococcus

abs#019

Noushin Jaberolansar

Design and efficacy evaluation of peptide-based vaccine against RSV

abs#046

5:35pm - 7:00pm

Welcome Reception

THURSDAY 21st APRIL, 2016

8:50am - 10:00am

SESSION SEVEN: Adoptive Immunotherapy

Chair: Professor Dario Campana

8:50am

Plenary Lecture II

Professor Geoff Hill

Novel cytokine and cellular therapy in transplantation

abs#020

9:20am

Discussion Forum: Adoptive Immunotherapy

Chair: Professor Rajiv Khanna

Professor Geoff Hill, Associate Professor Phil Darcy and Professor Dario Campana

10:00am-10:30am

Morning Tea

10:30am-12:00pm

SESSION EIGHT: Effector Memory Immune Cells and Vaccination

Chair: Associate Professor Kristen Radford

Professor Steve Turner

Genome wide mapping of histone modifications identifies novel regulatory elements that underpin virus-specific CD8+ T cell differentiation

abs#022

Dr. Tonia Woodberry

Dendritic cells and Plasmodium: early infection compromises CD1c myeloid but not plasmacytoid dendritic cells

abs#023

Ms. Susanna Ng

Characterising the role of group 1 innate lymphoid cells during malaria

abs#024

11:40pm - 1:00pm

Lunch

1:00pm - 2:50pm

SESSION NINE: Therapeutic Antibodies

Chair: Dr Michele Teng

Dr. Kristen Radford

Targeting human Clec9A+ dendritic cells for immunotherapy

abs#025

Dr. Michelle Wykes

PD-L2 is crucial for establishing effective CD4+ Th1 immunity against malaria+

abs#026

Ms. Marcela Montes do Oca

Type I interferons are potent immune regulators in humans with blood-stage Plasmodium falciparum infection

abs#027

Mr. Branka Grubor-Bauk

Intradermal delivery of DNA encoding HCV NS3 and perforin elicits robust cell mediated immunity in mice and pigs

abs#028

Mr. Nicholas Ede

Development of a clinical-ready polyclonal anti-HER-2/neu vaccine against breast and gastric cancer

abs#029

Professor Eric Gowans

A novel replicating recombinant human rhinovirus vaccine that generates mucosal and systemic immunity to HIV-1 Gag & Tat

abs#030

2:50pm - 3:20pm

Afternoon Tea

SESSION TEN: Emerging Infectious Diseases - Challenges and Solutions

Chair: Dr Florent Ginhoux

Professor Andreas Suhrbier

Horse immunoglobulin for treatment of Ebola virus infections

abs#031

Ms. Heidi A Peck

Evaluation of influenza B viruses for use in cell-based quadrivalent influenza vaccines

abs#032

Ms. Champa Ratnatunga

Multi-parametric immunoprofiling in Mycobacterium abscessus infection reveals distinct T cell exhaustion and dysfunction patterns in at-risk patient groups

abs#033

4:10pm - 5:00pm

SESSION ELEVEN: Commercialisation of Vaccine and Immunotherapeutic Drugs

Chair: Professor Andreas Suhrbier

Dr. Goslik Schepers

Commercialising I-O technologies

abs#034

Dr. Neil Finlayson

Commercialisation of Vaccine and Immunotherapeutic Drugs

abs#035

5:00pm - 6:00pm

Poster and Networking Function

7:00pm - 10:00pm

Conference Dinner

FRIDAY 22nd APRIL, 2016

8:50am-9:40am

SESSION TWELVE – Cellular Immune Regulation and Immunotherapy

Chair: Professor Ranjeny Thomas

Plenary Lecture III

Professor Barbara Fazekas de St Groth

Selective Treg reconstitution during lymphopenia normalizes DC costimulation and prevents graft-versus-host disease

abs#036

Keynote Lecture IV

Professor Jamie Rossjohn

Immune sensing of vitamin B metabolites

abs#037

9:40am-10:50am

SESSION THIRTEEN: Immunotherapeutics for Chronic Diseases

Chair: Professor Steve Turner

Dr. Laura Mackay

Development and Function of Tissue-Resident Lymphocytes

abs#039

Dr. John Miles

Understanding and augmenting the human TCR/pMHC axis

abs#040

Dr Kok Fei Chan

The structural basis underpinning polyclonal T-cell receptor recognition of an unusually long 13-mer peptide from tumor antigen NY-ESO-1 presented by HLA-B*0702 and its implication in cancer vaccine design

abs#041

Dr Manisha Pandey

A combination vaccine strategy involving two synthetic peptides protects against superficial and deep tissue infection with hypervirulent group A streptococcus

abs#042

10:50am-11:40am

Morning Tea

11:40am-12:30pm

**SESSION FOURTEEN: Immunotherapy and Vaccine Development –
Bench to Bedside**

Chair: Professor Andreas Suhrbier

Professor Eric Reynolds

A therapeutic vaccine for *Porphyromonas gingivalis*-mediated chronic disease

abs#043

Dr Frédéric Triebel

LAG 3: Validation of Next Generation Checkpoint Pathways

abs#044

Dr. Bill Dougall

Challenges and Considerations in Oncology Drug Development: Lessons from Denosumab

abs#045

12:40pm-12:45pm

Closing Announcements and Best Poster and Oral Presentations