



# APVIC 2024

Asia-Pacific Vaccine and Immunotherapy Congress



## Tuesday 14 May, 2024

1:00pm – 5:00pm          Registration

### Welcome and Acknowledgements

2:00pm – 2.20pm          Welcome to Country

2:20pm – 2.30pm          Introduction, acknowledgments & congress objectives

2.30pm – 2.40pm          Welcome to Melbourne

### Session I: Opening Session 2:40pm – 4:30pm

2:40pm – 3.25pm          **INAUGURAL LECTURE – Grant McArthur AO, Peter MacCallum Cancer Centre**  
*Title: The immunotherapy revolution in cancer: lessons from melanoma*

3:25pm – 3:55pm          **Invited Speaker – Sylvie Alonso, National University of Singapore**  
*Title: A versatile and powerful dendritic cell-targeting platform to deliver vaccine antigen candidates against infectious diseases*

3:55pm – 4.25pm          **Invited Speaker – Miles Davenport, Kirby Institute**  
*Title: Using immune correlates to predict vaccine and treatment effectiveness*

### Welcome Reception 4:30pm – 6:30pm

## **Wednesday 15 May, 2024**

8:15am – 9:15am Breakfast Workshop – Myeloid Therapeutics

### **Session II: Immunotherapies 1 9:15am-10:55am**

9:15am – 9:45am **Invited Speaker – Nick Huntington, oNKO-Innat Pty Ltd.**  
*Title: TBC*

9:45am – 10:10am **Invited Speaker – Jane Oliaro, Peter MacCallum Cancer Centre**  
*Title: Cellular Immunotherapy in Oncology: Current Status and Future Directions*

10:10am – 10:35am **Invited Speaker – Simon Barry, The University of Adelaide**  
*Title: TBC*

10:35am – 10:45am **Emily Derrick – Peter MacCallum Cancer Centre**  
*Title: Investigating regulators of CXCL9 and CXCL10 expression to improve T cell infiltration and immunotherapy responses in solid tumors*

10:45am – 10:55am **Palak Mehta – Royal Melbourne University of Technology**  
*Title: Patient Age is a Distinct Variable that Impacts CAR T Cell Generation, and Age-Related Biomarkers Can Predict Manufacturing Outcomes*

10:55am – 11:25am **Morning Tea**

### **Session III: Autoimmunity 11:25am – 1:10pm**

11:25am – 11:50am **Invited Speaker – Amy Anderson, Newcastle University**  
*Title: Theme of biomarkers of drug free remission and flare in rheumatoid arthritis*

11:50am – 12:15pm **Invited Speaker – Ranjeny Thomas, University of Queensland**  
*Title: Prolonging remission in autoimmune disease with antigen-specific immunotherapy*

12:15pm – 12:40pm **Invited Speaker – Ken Smith, Walter and Eliza Hall Institute for Medical Research (WEHI)**  
*Title: TBC*

12:40pm – 1:00pm **Invited Speaker – Helen Thomas – St Vincent’s Institute**  
*Title: The JAK inhibitor baricitinib preserves beta-cell function in patients with new-onset type 1 diabetes*

1:00pm – 1:10pm **Claudia Nold-Petry, Hudson Institute of Medical Research**  
*Title: Monomeric IL-38 is a checkpoint inhibitor of the pattern recognition receptor-interferon axis*

**1:10pm – 2:10pm Lunch & Sponsor Workshop (GenScript)**

### **Session IV: Immuno-engineering 2:10pm – 3:50pm**

2:10pm – 2:40pm **Invited Speaker – Chenqi Xu, Shanghai Institute of Biochemistry**  
*Title: Rational design of E-CAR with self-condensation property*

2:40pm – 3:05pm **Invited Speaker – Misty Jenkins, Walter and Eliza Hall Institute for Medical Research (WEHI)**  
*Title: Developing novel CART cell immunotherapies for brain cancer*

3:05pm – 3:30pm **Invited Speaker – Clare Slaney, Peter MacCallum Cancer Centre**  
*Title: Enhancing Chimeric antigen receptor T cells for solid cancers*

3:30pm – 3:40pm **Paul Beavis, Peter MacCallum Cancer Centre**  
*Title: CRISPR engineering of armored CAR T cells enables tumor-restricted payload delivery with enhanced safety and efficacy*

3:40pm – 3:50pm **Vicky Qin, Peter MacCallum Cancer Centre**  
*Title: Engineering a TGF-B switch receptor enhances CAR T cell fitness and anti-tumor efficacy in immunosuppressive models*

**3:50pm – 4:10pm Afternoon Tea**

### **Session V: Industry Showcase 4:10pm – 5:30pm**

4:10pm – 4:30pm **Industry Speaker – Lorena Preciado Llanes, Global Clinical Development Strategy Expert, Sanofi**  
*Title: 1 target, 3 innovative immunisation strategies: The case of RSV*

4:30pm – 4:50pm	<b>Industry Speaker – Dr. Katherin Young, Senior Medical Manager Vaccines – Vaccine and Biosecurity, ANZ, CSL Seqirus</b> <i>Title: Self-amplifying mRNA vaccines: Introducing a second-generation approach</i>
4:50pm – 5:10pm	<b>Industry Speaker – Claire Borg, Moderna</b> <i>Title: Fighting infectious diseases: the mRNA vaccine approach</i>
5:10pm – 5:30pm	<b>Industry Speaker – Dr. James Baber, Senior Director, Vaccine Clinical Research &amp; Development, Pfizer</b> <i>Title: Vaccine Technologies: where are we now and what is the future?</i>
5:30pm – 5:55pm	<b>3-minute Lightning Talks x 8 presenters</b>

**Drinks & Poster Session – I**  
**6:00pm – 7:30pm**

**Thursday 16 May, 2024**

**Session VI: Vaccine Design & Delivery**  
**9:00am – 11:00am**

9:00am – 9:30am	<b>Invited Speaker – Ian Hermans, Malaghan Institute of Medical Research</b> <i>Title: Vaccines tailored for inducing liver-resident memory T cells</i>
9:30am – 9:55am	<b>Invited Speaker – Sebastian Maurer Stroh, Bioinformatics Institute (BII)</b> <i>Title: TBC</i>
9:55am – 10:15am	<b>Invited Speaker – Vivek Naranbhai, Monash University</b> <i>Title: Mechanistic biomarkers of checkpoint inhibitor therapy efficacy and toxicity in cancer</i>
10:15am – 10:35am	<b>Invited Speaker – Meru Sheel, Sydney School of Public Health</b> <i>Title: TBC</i>
10:35am – 10:50am	<b>Invited Speaker – Ismail Sebina, The University of Queensland Frazer Institute</b> <i>Title: Pre-clinical assessment of mRNA vaccine-induced immunity to Group A Streptococcus</i>

10:50am – 11:00am **Branka Grubor-Bauk, Adelaide Medical School**  
*Title: T cell vaccines against Zika virus*

**11:00am – 11:30am Morning Tea**

**Session VII: Immunobiology  
11:30am – 1:00pm**

11:30am – 12:00pm **Invited Speaker – Ankur Sharma, Curtin University**  
*Title: Oncofetal Ecosystem in HCC: Towards Spatial Precision Oncology*

12:00pm – 12:30pm **Invited Speaker – Valerie Chew, Duke – National University of Singapore**  
*Title: Understanding immunobiology of hepatocellular carcinoma for biomarkers and therapeutic discovery*

12:30pm – 12:50pm **Invited Speaker – Dale Godfrey, University of Melbourne**  
*Title: Butyrophilin-dependent phosphoantigen detection by human gamma-delta T cells*

12:50pm – 1:00pm **Xuan Dong, BGI Australia & New Zealand**  
*Title: Mutations in intergenetic region predominantly contribute to the tumor specific antigens in hypermutated colorectal cancer patients*

**1:00pm – 2:30pm Lunch & Sponsor Workshop (Sanofi)**

**Session VIII: Infectious Diseases  
2:30pm – 4:20pm**

2:30pm – 3:00pm **Invited Speaker – Prasanna Jagannathan, Stanford University**  
*Title: Immunological consequences of early life malaria exposure in children*

3:00pm – 3:30pm **Invited Speaker – Amit Singhal, A\*STAR Infectious Diseases Labs**  
*Title: Host-directed Therapies for Respiratory Infections*

3:30pm – 4:00pm **Invited Speaker – Qi Zhang, Tsinghua University**  
*Title: TBC*

4:00pm – 4:10pm **Logan Trim, Queensland University of Technology**  
*Title: The development of an effective vaccine to protect against female genital tract chlamydial infections*

- 4:10pm – 4:20pm **Glenn Begley, muPharma**  
*Title: Novel non-invasive vaccine delivery technology for the creation of safe and reliable mucosal immunity*
- 4:20pm – 4:50pm **Afternoon Tea**
- 4:50pm – 5:15pm **3 minute Lightning Talks x 8 presenters**

**Drinks & Poster Session – II**  
**5:15pm – 6:45pm**

**Friday 17 May, 2024**

**Session IX: Immune-regulation**  
**9:00am – 10:40am**

- 9:00am – 9:30am **Invited Speaker – Geoffrey Hill, Fred Hutchinson Cancer Center**  
*Title: Blood Cancers and T cell exhaustion in the bone marrow*
- 9:30am – 9:55am **Invited Speaker – Joshua Ooi, Monash University**  
*Title: Engineered TCR-Tregs to treat lupus*
- 9:55am – 10:20am **Invited Speaker – Paul Hertzog, Hudson Institute**  
*Title: TBC*
- 10:20am – 10:30am **TBC**  
*Title: TBC*
- 10:30am – 10:40am **Daniel Utzschneider, University of Melbourne & Peter Doherty Institute for Infection and Immunity**  
*Title: Stem-like potential of T cells in infection and cancer is regulated by ID3 and c-Kit*
- 10:40am – 11:10am **Morning Tea**

**Session X: Immunotherapies 2**  
**11:10am – 12:45pm**

- 11:10am – 11:35am **Invited Speaker- Riccardo Dolcetti, Peter MacCallum Cancer Centre**  
*Title: Novel conventional and unconventional target antigens for improved cancer vaccines*

- 11:35am – 12:00pm **Invited Speaker – Claudine Bonder, Centre for Cancer Biology, University of South Australia & SA Pathology**  
*Title: TBC*
- 12:00pm – 12:25pm **Invited Speaker – David Gottlieb, University of Sydney**  
*Title: Using T lymphocytes for therapy: challenges and solutions*
- 12:25pm – 12:35pm **Stephen Blake, SAHMRI**  
*Title: Anti-CD40 is effective in immune cold colorectal cancer*
- 12:35pm – 12:45pm **Cheok Weng Chan, Peter MacCallum Cancer Centre**  
*Title: Leveraging DC activation to overcome tumor heterogeneity in CAR T cell therapy*
- 12:45pm – 1.45pm Lunch**

**Session XI: Peter Doherty Oration**  
**1:45pm – 3:00pm**

- 1:45pm – 2:45pm **Invited Speaker – Crystal Mackall, Stanford University**  
*Title: CAR T cells for Cancer*
- 2:45pm – 3:00pm **Awards, Prizes, Thanks & Closing Remarks**

**Meeting Close – 3:00pm**