



VIRTUAL EVENT



Australian Institute of  
Medical and Clinical Scientists

# National Scientific Meeting 2021

2021  
RE-VISION  
FOR THE FUTURE  
30 AUG – 1 SEPT

## MONDAY 30 AUGUST

0900 – 0930	<b>Opening Ceremony</b> Welcome by AIMS President Presentation of AIMS Awards				
0930 – 1030	<b>Open Plenary</b> <b>Precision Medicine: The roadmap to our future is written in the path already travelled</b> Professor Vanessa Hayes, Garvan Institute of Medical Research				
1030 – 1100	Morning Tea				
<b>Concurrent Sessions</b>	<b>Anatomical Pathology/Cytology</b>	<b>Biochemistry</b>	<b>Cell Therapy/ Flow Cytometry/Molecular</b>	<b>Haematology/Haemostasis/ Transfusion</b>	<b>Microbiology</b>
Session Chair	Alex Laslowski	Kevin Jessen	Kerrie Clerici	Gurbaksh Singh Kanda	Claire Gregory
Session Title	Careers in histopathology	Diabetes/Cardiovascular disease	Transplantation	Haemoglobinopathies	Public Health
1100 – 1130	AIMS Travelling Orator – Histology and Immunohistochemistry Piero Nelva Monash Health	Cross-validation of immunoaffinity mass spectrometry versus ELISA for PromarkerD Dr. Scott Bringans Proteomics International Laboratories	Stem cell transplants Prof. Jeff Szer Melbourne Health	Molecular testing in thalassaemia Wendy Hutchison Monash Health	Asymptomatic infection: concepts and ethical issues Dr. Euzebiusz Jamrozik Monash University
1130 – 1200	Reflections on a hybrid teaching model for anatomical pathology Frank Musso RMIT	hs - Troponin update 2021 Prof. Hans Schneider Alfred Health	Advances in HLA science for solid organ transplantation Rhonda Holdsworth Red Cross Lifeblood	Haemoglobinopathy/Thalassaemia clinical management Dr. Anthea Greenway Monash Health	Measles Breakthrough Infection (Reinfection/Waning Immunity) The Victorian experience Suellen Nicholson VIDRL

1200 – 1230	<b>A cut above the rest – My career in complex cut up</b> Kellie Vukovic Melbourne Pathology	<b>Lp(a): The detail is in the tale</b> Craig Baker St Vincent's Hospital Melbourne	<b>Chimerism Testing in Stem Cell Transplants</b> Dr. Meg Wall VCGS	<b>Thalassaemia, is a cure on its way?</b> Dr. Jim Vadolas Hudson Institute	<b>Changing face of public health microbiology</b> Dr. Susan Ballard MDU
1230 – 1330	<b>Lunch Poster Session</b>				
Session Title	<b>HPV...from top to below</b>	<b>Mass Spectrometry</b>	<b>CAR T-Cells</b>	<b>Haemostasis and Thrombosis</b>	<b>Mycology</b>
1330 – 1400	<b>HPV associated Head and Neck Cancer</b> Dr. Cesar Salinas St Vincent's Hospital Melbourne	<b>Mass spectrometry– teaching us new lessons in immunity</b> Prof. Anthony Purcell Monash University	<b>CAR T-cell therapy</b> Dr. Michael Dickinson Peter MacCallum Cancer Centre	<b>Ageing of the plasma proteome</b> Prof. Vera Ignjatovic MCRI	<b>Diagnosis in invasive aspergillosis</b> Dr. Sarah Kidd SA Pathology
1400 – 1430	<b>HPV-based cervical screening: from implementation to future possibilities</b> Dr. David Hawkes Victorian Cytology Service	<b>Calibration techniques enabling integration into routine pathology</b> Dr. Steven Ramsay Royal Children's Hospital	<b>CAR T-cell therapy in ALL: RCH experience</b> Kerrie Clerici Royal Children's Hospital	<b>Platelets in thrombosis and haemostasis</b> Dr. James McFadyen Monash University	<b>An Update on Culture Independent Fungal Diagnostics</b> Dr. Catriona Halliday NSW Health
1430 – 1500	<b>Developments in cervical screening beyond HPV: a potential role for CINtec® Plus</b> Dr. Grace Tan Victorian Cytology Service	<b>Mass-Spec for measuring Steroids</b> Gary Chun Monash Health	<b>Yellow Brick Road to CAR-T: Adventures in Quality Assurance</b> Ayse Mouminoglu Cell Therapies	<b>Emicizumab: the Alfred experience</b> Prof. Huyen Tran Monash University	<b>Dermatophyte PCR – post implementation observations</b> Dr. Darren Jardine St Vincent's Health Melbourne
Session Title	<b>Oral Abstract Presentation</b>	<b>Oral Abstract Presentation</b>	<b>Oral Abstract Presentation</b>	<b>Oral Abstract Presentation</b>	<b>Oral Abstract Presentation</b>
1500 – 1510	<b>Tuberculosis of the appendix</b> Cailin Aburrow RMIT	<b>Comparison of bead-based multiplex assay and enzyme-linked immunosorbent assay for detection of serum interleukin 6</b> Philip Amoretty-matthews Peter Maccallum Cancer Centre	<b>Rapid molecular assay for the detection of COVID-19 coupled on a dipstick: potential for use at point-of-care</b> Dr Ameh James University Of Queensland	<b>Inherited protection against malaria; a case of co-existing sickle cell disease, alpha thalassaemia, g6pd deficiency and duffy null phenotype</b> Joseph Rigano Alfred Health	<b>Exploring the microbiome of probiotic-treated preterm infants</b> Jacob Westaway James Cook University
1510 – 1540	<b>Afternoon Tea</b>				
Session Title	<b>Breast Pathology</b>	<b>Endocrinology</b>	<b>T &amp; NK Cells</b>	<b>Transfusion Testing</b>	<b>Antimicrobial Susceptibility</b>
1540 – 1610	<b>Breast cut-up – a scientist's perspective</b> Joy Bagsic Austin Health	<b>An Update on Vitamin D</b> Dr. Ailie Connell Eastern Health	<b>Diagnosing NK cell disorders</b> Dr. Ken Lim St Vincent's Hospital Melbourne	<b>Non-invasive prenatal testing for RhD</b> Emily Black Red Cross Lifeblood	<b>Selective Reporting of Antimicrobials</b> Dr Maryza Graham Monash Health
1610 – 1640	<b>Investigating the Link Between Insulin Dysregulation And Breast Cancer Prognosis Via Immunohistochemistry A Systematic Review and Meta-Analysis</b> Shivali Savita Chinni RMIT University	<b>PTH-RP</b> Dr. Myron Lee NSW Health Pathology	<b>Monitoring for MRD in patients with ALL</b> Michelle Henderson Children's Cancer Institute	<b>Transfusion Analyser Validation</b> Mark Howard Pathlab NZ	<b>New Antimicrobials for Multi-Resistant Gram Negative Bacteria</b> Narelle George Queensland Health

1640 – 1710	<b>PD-L1 testing in breast cancer</b> Dr. Jia-Min Pang Peter MacCallum Cancer Centre	<b>Copeptin- Biochemistry and Clinical Diagnostics</b> Dr. Nimalie Pereraalth NSW Heath Pathology	<b>T &amp; NK cell emergencies</b> Dr. Sharon Choo Royal Children’s Hospital	<b>Controversies in transfusion</b> Dr. Anastazia Keegan Red Cross Lifeblood	<b>The resistance marker race in Gram negative sepsis</b> Rick Streitberg Monash Health
1710	<b>Close</b>				

## TUESDAY 31 AUGUST

0800 – 0930	<b>Meet the Expert Breakfast Session – COVID-19</b> <b>Session Chair Wayne Dimech</b> <b>Novel laboratory approaches in the COVID-19 pandemic.</b> Prof Deborah Williamson, Melbourne University <b>COVID-19 in Victoria – Perspective from a public health laboratory.</b> Dr. Julian Druce, Melbourne Health <b>Understanding immunological memory to COVID-19</b> Dr. Vanessa Bryant, WEHI <b>Evaluation of COVID-19 serological assays.</b> Wayne Dimech, NRL				
0930 – 1030	<b>Open Plenary</b> <b>Medical science at scale – building resilient and adaptive precision health technology</b> Dr. Denis Bauer, CSIRO				
1030 – 1100	<b>Morning Tea</b>				
<b>Concurrent Sessions</b>	<b>Anatomical Pathology/Cytology</b>	<b>Biochemistry</b>	<b>Cell Therapy/ Flow Cytometry/Molecular</b>	<b>Haematology/Haemostasis/ Transfusion</b>	<b>Microbiology</b>
Session Chair	Alex Laslowski	A/Prof Donna Rudd	Tina Pham	Niki Lee	Patricia Szczurek
Session Title	<b>It starts with MORPHOLOGY</b>	<b>Quality</b>	<b>Multiple Myeloma</b>	<b>Transfusion Reactions</b>	<b>Re-emerging Infections</b>
1100 – 1130	<b>R.O.S.E. Advantages and Disadvantages in Multi-Disciplinary Pathology Testing</b> Kerryn Jones St Vincent's Hospital Melbourne	<b>TBA</b> Dr. Scott Talpey Federation University Australia	<b>Myeloma Update</b> Shirlene Sim St Vincent's Hospital Melbourne	<b>Would a national antibody register contribute to improving patient outcomes?</b> Zachary Powell	<b>Emergence and re-emergence – a story of survival</b> A/Prof Linda Hueston ICPMR (Westmead)
1130 – 1200	<b>Standardised reporting in non-gynae cytology</b> Dr. Alpha Tsui Melbourne Pathology	<b>POCT: Past, Present and Future</b> Diep Nguyen Alfred Health	<b>Implementation of the EuroFlow Next generation Flow Assay for Multiple Myeloma Minimal Residual Disease</b> Dr. Edward Abadir NSW Health	<b>A case report of rare Bombay phenotype</b> Paul Lingbo Wang	<b>Sexually transmitted diseases in the era of HIV PrEP – infection incidence and role of prophylaxis</b> Dr. Eloise Williams Melbourne Health
1200 – 1230	<b>Human Colours - The Rainbow Garden of Pathology</b> Alex Laslowski Monash Health	<b>A new diagnostic platform for respiratory viruses</b> A/Prof Patrick Schaeffer James Cook University	<b>Liquid biopsy in multiple myeloma</b> Dr. Sridurga Mithraprabhu Monash University	<b>Transfusion Reactions in Thalassaemia / Haemoglobinopathy Patients</b> Kylie Rushford Monash Health	<b>Responses to syphilis epidemic: epidemiology, testing and control</b> A/Prof. Eric Chow Melbourne Sexual Health Centre
1230 – 1330 1300 – 1330	<b>Lunch</b> <b>AIMS Annual General Meeting</b>				
Session Title	<b>Specialised Histopathology</b>	<b>Immunoassays</b>	<b>Diagnose/Monitor/Treat</b>	<b>Haemostasis and Thrombosis</b>	<b>Parasitology</b>
1330 – 1400	<b>Use of Immunofluorescent Kappa and Lambda Staining to Diagnose AI Amyloid Clonality</b> Aysha Du Eastern Health	<b>Pushing the boundaries of lateral flow immunochromatography in diagnostics</b> A/Prof. David Anderson Burnet Institute	<b>Immuno-flowFISH: Imaging flow cytometry for the assessment of chromosomal abnormalities in phenotyped cells in malignancies</b> Dr. Kathy Fuller University Western Australia	<b>Evaluation of automated ADAMTS13 analysis on the IL Acustar</b> Joanne Clifford Monash Health	<b>The diagnosis of blood borne parasites- A review of current methods and a preview of future diagnostic applications</b> Francesca Azzato VIDRL

1400 – 1430	<b>TBA</b> Hazel Chambers-smith Royal Children's Hospital	<b>Biotin interferences in immunoassays</b> Dr Christina Trambas St Vincent's Hospital Melbourne	<b>MRD in CLL: Does it hold up to it's promise</b> Dr. Ashwath Gurumurth St Vincent's Hospital Melbourne	<b>HAPPI Kids Study</b> Vicky Karlaftis MCRI	<b>Diagnostic Parasitology Cases – Back to the Future</b> Dr. Richard Bradbury Federation University
1430 – 1500	<b>Melanin pigment ... get the peroxide!</b> Maria Boyer Monash Health	<b>Nephrin Immunoassays for diagnosis of AKI in preterm infants</b> A/Prof Donna Rudd James Cook University	<b>Harnessing apoptosis to treat leukaemia lymphoma</b> Dr. Mary Ann Anderson Walter and Eliza Hall Institute	<b>Gene therapy in haemophilia</b> Dr. Sally Campbell Royal Children's Hospital	<b>A simple scheme to identify arthropods in a diagnostic laboratory</b> Dr. Harsha Sheory St Vincent's Hospital Melbourne
1500 – 1540	<b>Afternoon Tea</b>				
Session Title	<b>MOLECULAR...the new frontier of pathology</b>	<b>It's all about the organs</b>	<b>Cell Therapy</b>	<b>Massive Transfusion</b>	<b>Case Studies</b>
1540 – 1610	<b>Next generation sequencing using cytology centrifuged supernatant</b> Dr. Vivek Rathi Monash Health	<b>Ferritin: A Need for Standardisation</b> Rebecca Tiet Melbourne Pathology	<b>The innate immune response to cancer</b> Prof. Nicholas Huntington Monash University	<b>Massive transfusion competency</b> Narelle Whiting Monash Health	<b>1540 – 1555</b> <b>All bark and no bite</b> Patricia Szczurek Austin Health Pathology
1610 – 1640	<b>Uveal melanoma: towards integrated cytology and molecular reporting</b> Dr. Svetlana Cherepanoff St Vincent's Hospital Melbourne	<b>Pancreatic antibody measurement using ligated PCR amplification technique</b> Cherie Chiang Melbourne Health	<b>Cord Banking</b> A/Prof. Ngaire Elwoods MCRI	<b>ROTEM guided massive transfusion protocol</b> Tamie Hall Queensland Health	<b>1555 – 1610</b> <b>Not another scary GNC</b> Emma Lee Monash Health Pathology
1640 – 1710	<b>Monitoring disease using digital PCR</b> A/Prof Alex Dobrovic University Melbourne	<b>Primary aldosteronism: roles of the routine laboratory</b> Dr. Kay Weng Northern Health	<b>Revising our current understanding of mesenchymal stromal cell therapy</b> A/Prof. Tracy Heng Monash University	<b>Major haemorrhage support: what do we still need to know?</b> Professor Erica Wood Monash Health	<b>1610 – 1625</b> <b>TBA</b> Megan Sullivan
					<b>1625 – 1640</b> <b>Identification of a vibrio parahaemolyticus cluster by bacterial culture of faecal specimens</b> Tess Mahony Melbourne Pathology
					<b>1640 – 1655</b> <b>Rapid detection of viral and bacterial meningitis in a paediatric population</b> Stephen Burgess Royal Children's Hospital
					<b>1655 – 1710</b> <b>A Curly Blood Culture Isolate</b> Teresa Abajo Alfred Health
1710	<b>Close</b>				

**WEDNESDAY 1 SEPTEMBER**

0830 – 0915	<b>Saal Foley Lecture</b> <b>Maintaining the quality of testing in a pandemic</b> Wayne Dimech, NRL				
0915 – 0945	<b>Certification of Medical Scientific Workforce</b> Denise Jackson				
0945 - 1000	<b>APACE Update</b> Maureen Jacobsen				
1000 – 1100	<b>Open Plenary</b> <b>Human stem cell based functional neurogenomics</b> Professor Ernst Wolvetang, University of Queensland				
1100 – 1130	<b>Morning Tea</b>				
<b>Concurrent Sessions</b>	<b>Morphology</b>	<b>Pre-Analytical</b>	<b>Cell Therapy/Flow Cytometry/Molecular</b>	<b>Haematology/Haemostasis/Transfusion</b>	<b>Microbiology</b>
Session Chair	<b>Robyn Wells</b>	<b>Neil Horton</b>	<b>Michelle McBean</b>	<b>Joe Rigano</b>	<b>Michael Nolan</b>
Session Title	<b>Quality</b>	<b>Collection Variables</b>	<b>Genomics</b>	<b>Haemostasis and Thrombosis</b>	<b>Future Directions</b>
1130 – 1200	<b>Quality in bone marrow collection and staining</b> Dr Marija Borosak Eastern Health	<b>Collection Variables in Haematology - real life experiences</b> Steven Schischka Alfred Health	<b>This is going to be a critical skill now and in the future: Educating Medical Scientists in Variant Interpretation</b> Dr. Natalie Thorne Melbourne Genomics	<b>Differential effects of Btk inhibitors on haemostasis</b> Prof. Denise Jackson RMIT	<b>Bacteriophage therapy fight against antibiotic resistance</b> Dr. Jeremy Barr Monash University
1200 – 1230	<b>Blood Film Morphology - making a difference</b> Catherine Durkin Peter MacCallum Cancer Centre	<b>Pre-analytical factors that can affect results in routine biochemistry test</b> John Abcede Northern Health	<b>Intellectual disability gene discovery in a diagnostic setting</b> Amber Boys VCGS	<b>Global coagulation assays in thrombosis</b> Dr. Yin Lim Northern Health	<b>Digital Imaging in Microbiology</b> Derek Holzhauser RCPAQAP
1230 – 1300	<b>ICSH morphology standardisation project</b> Lynn Palmer Middlemore Hospital	<b>Collection variables in the hospital setting</b> Trent Osborn Alfred Health	<b>TBA</b> Dr. Sebastian Lunke VCGS	<b>Eliminating DOAC interference on thrombophilia assays using DOAC- stop</b> Joe Rigano Alfred Health	<b>Precision pathogen genomics</b> Dr. Norelle Sherry MDU
1300 - 1400	<b>Lunch</b>				
Session Title	<b>Digital Morphology</b>	<b>Central Specimen Reception</b>	<b>Quality</b>	<b>Drug Targeted Therapies</b>	<b>Molecular Microbiology</b>
1400 – 1430	<b>Vision Haema</b> <b>The Alfred Experience</b> Jocelyn Shackles	<b>The impact of COVID on sample collection and reception</b> Christine Romero	<b>Accreditation in times of COVID</b> Peta Martin NATA	<b>1400 – 1420</b> <b>The risks of IVIG therapy</b> Glenda Mann	<b>Desperate times call for innovative solutions - Integra(ly) in COVID-19 Testing</b>

	Alfred Health	St Vincent's Hospital Melbourne		Cabrini Health	Michelle Francis Monash Health
1430 – 1500	<b>Benefits of digital morphology across a geographically dispersed laboratory network</b> Adrian Griffiths SA Pathology	<b>The value of CSP in pathology</b> Terri Kidd Tasmania Health Services	<b>Observations from a national multi-sample exchange program for molecular haematology testing</b> Michelle McBean Peter MacCallum Cancer Centre	<b>1420 – 1440 Immunotherapies and Anti-CD47</b> Andrew Webb Alfred Health	<b>Neisseria gonorrhoeae screening assays and ongoing issues of false-positive results and confirmatory testing</b> Todd Pryce PathWest
				<b>1440 – 1500 CD38 monoclonal antibody therapy</b> Anne Marie Wilkes St Vincent's Hospital Melbourne	
<b>Session Title</b>		<b>Oral Abstract Presentation</b>			
1500 – 1510		<b>Research and teaching insights of Australian medical laboratory science academics</b> Dr Rebecca Donkin University Of The Sunshine Coast			
1510 – 1540	<b>Afternoon Tea</b>				
<b>Session Title</b>	<b>Haematological Abnormalities</b>	<b>Bedside to Laboratory</b>	<b>Fetomaternal</b>	<b>Future Directions</b>	<b>Virology/Serology</b>
1540 – 1610	<b>Paediatric Morphology - Neonatal Erythroblastosis</b> Sharon Yong Royal Children's Hospital	<b>Electronic ordering from bedside to the laboratory</b> Leanna Pickles and Vahini James Alfred Health	<b>Artificial Reproductive Technology</b> Prof. David Gardner Melbourne University	<b>National blood authority update</b> Jo Cameron National Blood Authority	<b>The ABC and D of enteroviruses and acute flaccid paralysis/myelitis</b> A/Prof. Bruce Thorley VIDRL
1610 – 1640	<b>Microangiopathy</b> Dr. Chris Hogan Austin Health	<b>Paediatric Collections</b> Janet Burgess & Simon Zrna Royal Children's Hospital	<b>Non-invasive prenatal testing in Australia: current landscape and future trends</b> Nicola Flowers VCGS	<b>Malaria Update</b> Anne Johnston	<b>Laboratory validation and clinical application of SARS-CoV-2 serology</b> Dr Katherine Bond RMH
1640 – 1710	<b>Macrothrombocytopenia</b> Dr. Sue Morgan Alfred Health	<b>TBA</b> Prof. Jürgen Lutz St. Vinzenz Hospital, Köln	<b>The value of a public health ethics approach to reproductive genetic carrier screening</b> Prof. Ainsley Newson University of Sydney	<b>Covid-19 and haemostasis</b> Emmanuel Favaloro NSW Health	<b>Improved HTLV pro-viral load and antibody testing for remote indigenous communities</b> A/Prof. Rosemary French NRL
1710	<b>Close</b>				