



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> <b>Welcome by AIMS President – Professor Denise Jackson</b> <b>Presentation of AIMS Awards</b>				
0930 – 1030	<b>Open Plenary</b> <b>Chair – Professor Denise Jackson</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	Huong Pham	Kevin Jessen	Kerrie Clerici	Gurbaksh Singh Kanda	Claire Gregory
Session Title	Careers in histopathology	Diabetes/Cardiovascular disease	Transplantation	Haemoglobinopathies	Public Health
1100 – 1130	<b>AIMS Travelling Orator – Histology and Immunohistochemistry</b> Piero Nelva Monash Health	<b>Cross-validation of immunoaffinity mass spectrometry versus ELISA for PromarkerD</b> Dr. Scott Bringans Proteomics International Laboratories	<b>Stem cell transplants</b> Prof. Jeff Szer Melbourne Health	<b>Molecular testing in thalassaemia</b> Wendy Hutchison Monash Health	
1130 – 1200		<b>hs - Troponin update 2021</b> Prof. Hans Schneider Alfred Health	<b>Advances in HLA science for solid organ transplantation</b> Rhonda Holdsworth Red Cross Lifeblood	<b>Haemoglobinopathy/Thalassaemia clinical management</b> Dr. Anthea Greenway Monash Health	<b>Measles Breakthrough Infection (Reinfection/Waning Immunity) The Victorian experience</b> Suellen Nicholson VIDRL

1200 – 1230	<b>Reflections on a hybrid teaching model for anatomical pathology</b> Frank Musso RMIT	<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> Grace Tan Victorian Cytology Service	<b>Mass-Spec for measuring Steroids</b> Gary Liu 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 – 1515		<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
1515 – 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 – 1000	<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				
1000 – 1030	<b>Open Plenary</b> <b>Chair – Professor Denise Jackson</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>Athlete Testing</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>Point of Care Co-ordinator – a glimpse in the role?</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	<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

			University Western Australia		VIDRL
1400 – 1430	<b>A cut above the rest – My career in complex cut up</b> Kellie Vukovic Melbourne Pathology	<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>				
<b>Session Title</b>	<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>The Heart of the Matter</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>Benchmarking Blood Culture Turnaround Times in an Australian Automated Laboratory</b> Megan Sullivan
					<b>1625 – 1640</b> <b>Vibrio parahaemolyticus cluster: A Case Study</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 – 0920	<b>Saal Foley Lecture</b> <b>Chair – Professor Denise Jackson</b> <b>Maintaining the quality of testing in a pandemic</b> Wayne Dimech, NRL				
0920 – 0950	<b>Certification of Medical Scientific Workforce</b> Professor Denise Jackson				
0950 - 1010	<b>APACE Update</b> Maureen Jacobsen				
1010 – 1110	<b>Open Plenary</b> <b>Chair – Professor Denise Jackson</b> <b>Human stem cell based functional neurogenomics</b> Professor Ernst Wolvetang, University of Queensland				
1110 – 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>Acute Care Genomics: Accelerating the diagnosis of rare diseases</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 The Alfred Experience</b> Jocelyn Shackles Alfred Health	<b>The impact of COVID on sample collection and reception</b> Christine Romero St Vincent's Hospital Melbourne	<b>Accreditation in times of COVID</b> Gillian Treloar NATA	<b>1400 – 1420 The risks of IVIG therapy</b> Glenda Mann Cabrini Health	<b>Desperate times call for innovative solutions - Integra(ty) in COVID-19 Testing</b> 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	
Session Title		<b>Oral Abstract Presentation</b>			
1500 – 1515		<b>Research and teaching insights of Australian medical laboratory science academics</b> Dr Rebecca Donkin University Of The Sunshine Coast			
1515 – 1540	<b>Afternoon Tea</b>				
Session Title	<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> Vaahini James and Satoko Lalopoulos 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>Coagulation bedside testing</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> Nick Vandegraaff NRL
1710	<b>Closing Remarks by AIMS President – Professor Denise Jackson</b>				