

# AIMS

NATIONAL SCIENTIFIC MEETING



Australian Institute of  
Medical and Clinical Scientists

**MOVING FORWARD**

**21-23**  
**AUGUST 2024**  
**ADELAIDE**  
CONVENTION CENTRE

## WEDNESDAY 21 AUGUST 2024

0730 – 1700	<b>Registration – Foyer MN</b> Arrival tea/coffee			
0900 – 0930	<b>Opening Ceremony – Hall M</b> Opening Address by Her Excellency the Honourable Frances Adamson AC, Governor of South Australia Welcome by AIMS President Presentation of AIMS Awards <i>Chair - Denise Jackson</i>			
0930 – 1030	<b>Opening Plenary – Hall M</b> Prof Chris McCudden – Artificial Intelligence in Laboratory Medicine (University of Ottawa) <i>Chair - Denise Jackson</i>			
1030 – 1100	<b>Morning Tea – Hall N (Exhibition Hall)</b>			
<b>Location</b>	<b>Hall M</b>	<b>City Room 3</b>	<b>City Room 4</b>	<b>City Rooms 1&amp;2</b>
<b>Concurrent Sessions</b>	<b>Imaging/Haematology</b> <i>Chair - Robyn Wells</i>	<b>Screening/Case Studies</b> <i>Chair - Assoc Prof Abishek Santhakumar</i>	<b>Vaccines, Microbiology and Toxicology</b> <i>Chair - Dr David Leaver</i>	<b>Quality</b> <i>Chair - Samantha Austin</i>

<b>1100 – 1130</b>	<b>Assoc Prof David Ross (CALHN)</b> Digital image analysis and machine learning	<b>Prof Maria Fuller (SA Pathology)</b> Biochemistry still has a role in genetic disease diagnosis	<b>TBA</b>	<b>Lisa Jolly (SA Pathology)</b> Quality in Pathology
<b>1130 – 1200</b>	<b>Cuong Pham (SA Pathology)</b> A Digital Morphology Network	<b>Khoa Lam (SA Pathology)</b> Antenatal screening	<b>Dr Morgyn Warner (SA Pathology)</b> Microbiology case studies	<b>Gillian Treloar</b> NATA Update
<b>1200 – 1230</b>	<b>Prof Sue Branford (SA Pathology)</b> Next generation molecular diagnostics for chronic myeloid leukaemia	<b>Dr David Gillis (Queensland Health)</b> Cross-discipline case studies	<b>Dr Ian Westley (SA Pathology)</b> Toxicology: The strange case of Poppy	<b>Margaret Banks (ACSQHC) Prof Beverley Rowbotham (NPAAC)</b> NPAAC Update
<b>1230 – 1330</b>	<b>Lunch – Hall N (Exhibition Hall) Exhibitor Sponsor Catch-up Sessions</b>			
<b>Location</b>	<b>Hall M</b>	<b>City Room 3</b>	<b>City Room 4</b>	<b>City Rooms 1&amp;2</b>
<b>Concurrent Sessions</b>	<b>Transfusion</b> <i>Chair - Sarah Kowalski</i>	<b>Microbiology</b> <i>Chair - Simone Chantrell</i>	<b>Cytology</b> <i>Chair - Dr Boris Budiono</i>	<b>Haemostasis</b> <i>Chair - Sunil Abraham</i>
<b>1330 – 1400</b>	<b>Anh Pham (SA Pathology)</b> Case study: a rare blood type for cardiac surgery	<b>Dr Simone Barry (SA TB Services)</b> Tuberculosis outbreak in remote communities	<b>Jennifer Buckseall (SA Pathology)</b> Gynaecological cytology: Moving Forward	<b>Dr Chee Wee Tan (CALHN)</b> Heparin-induced thrombocytopenia (HIT) – more HIT than MISS?
<b>1400 – 1430</b>	<b>Jackie Daley (Lifeblood)</b> Sourcing rare blood types	<b>Lisa Shephard</b> Tuberculosis: laboratory aspects and case studies	<b>Alisa Williams (SA Pathology)</b> Utility of molecular testing in cytology	<b>Dr Elizabeth Duncan (SA Pathology)</b> Local validation of a method to measure Emicizumab in blood
<b>1430 – 1500</b>	<b>Dr Anastazia Keegan (Lifeblood)</b> Cold and frozen platelet trials	<b>Dr Lex Leong (SA Health)</b> Tuberculosis genomics	<b>Aimee Thomas-Turner (PathWest)</b> IFBLS cytology scholarship Japan	<b>Olivia Yacoub (SA Pathology)</b> Case studies in haemostasis
<b>1500 – 1540</b>	<b>Afternoon Tea – Hall N (Exhibition Hall)</b>			

1540 – 1620	<b>Plenary</b> <b>Dr Vienna Tran (Australian Space Agency)</b> Space Medicine <i>Chair - Neil Horton</i>
1620 – 1700	<b>Plenary</b> <b>Prof Mark Shephard (Flinders University)</b> Point of Care Testing <i>Chair - Neil Horton</i>
1730 - 1930	<b>Cocktail Welcome Reception – Hall N (Exhibition Hall)</b>

## THURSDAY 22 AUGUST 2024

0800 – 0930	<b>Meet the Expert Breakfast Session – City Room 4</b> <b>Prof Chris McCudden (University of Ottawa)</b> Artificial Intelligence/Informatics  <b>Prof Peter O’Loughlin (SA Pathology)</b> Quality Use of Pathology  <b>John Menz (Leadership Management Australia)</b> Leadership			
0930 – 1030	<b>Plenary – Hall M</b> <b>Prof Toby Coates (University of Adelaide)</b> Pancreatic Islet Cell Transplantation <b>PRE-RECORDED PRESENTATION</b>			
1030 – 1100	<b>Morning Tea – Hall N (Exhibition Hall)</b>			
	<b>City Room 3</b>	<b>Hall M</b>	<b>City Rooms 1&amp;2</b>	<b>City Room 4</b>
<b>Concurrent Sessions</b>	<b>Immunology</b> <i>Chair - Dr Brian Dale</i>	<b>Haematology</b> <i>Chair - Deborah Howe</i>	<b>Biochemistry</b> <i>Chair - Prof Peter O’Loughlin</i>	<b>AIMS Research Engagement</b> <i>Chair - Assoc Prof Donna Rudd</i>

1100 – 1130	Dr Tatjana Banovic (SA Pathology) Autoimmunity	Krystal Gee (SA Pathology) Haematology Utilising the Alethia for the detection of malaria	Rebecca Banisch (SA Pathology) Trace metal analysis	Genghis Lopez Long-read sequencing technology to characterise RHD gene structural variants	
				Avinash Kundur Investigating the impact of guideline adherence and COVID-19 on the management of Type 2 Diabetes in Regional Queensland	
1130 – 1200	Quynhlan Nguyen (SA Pathology) Case studies in flow cytometry	Robyn Wells (AIMS) A case of babesiosis	Helen Martin (SA Pathology) Biochemistry case studies	Ian Cassidy Enhancing employability of Medical Laboratory Science graduates	
				Rebecca Donkin An innovative immunohistochemistry panel for detection of metastatic basal cell carcinoma	
1200 – 1230	Dr Claire Reynolds Neuronal testing in paraneoplastic syndromes	Dr Lakshmi Nath (Clinpath Pathology) Haematology case studies	Prof Christopher McCuddin (University of Ottawa) Analytical goals and quality control	Mariam Doualeh Quantifying and profiling bacterial DNA in healthy blood to establish a threshold indicative of true infection	
				Jacob Westaway Long term impact of probiotic treatment on the developing infant gut microbiome	
1230 – 1330	Lunch – Hall N (Exhibition Hall) & Poster Session				
Session Title Session Chair	Free Communications				
	City Room 3	Hall M	City Rooms 1&2		
	Chair - Natalie Milic	Chair – Maureen Jacobsen	Chair - Sarah Just		
1330 – 1350	Assoc Prof Abishek Santhakumar Pre-analytical errors and their prevention in an emergency department setting	Dr Prawal Gyawali Embedding employability in Medical Laboratory Science programs	Dianne Lovelock Haemoglobinopathy detection on routine HbA1c testing		
1350 – 1410	Leanne Jones	Sarah Kowalski	Henry Legimum		

	Advancements in laboratory operational capabilities for Emergency Medical Teams	'Transfusion laboratory essentials': Building transfusion knowledge for new and returning laboratory scientists	Thrombotic microangiopathy induced by the exposure to Oxaliplatin: A case report		
<b>1410 – 1430</b>	<b>Assoc Prof Donna Rudd</b> Is urinary nephrin potentially a better predictor of early glomerular injury during pregnancy	<b>Jenny Morris</b> Twin to twin transfusion and twin anaemia polycythemia sequence	<b>Timothy Stanton</b> Challenge accepted – navigating a new non-parallel universe		
<b>1430 – 1450</b>	<b>Prashant Regmi</b> Examination of photoperiod and glucose control in Australian adults: A pilot study	<b>Prof Robert Flower</b> Recombinant protein technology applied to investigate whether alloantibodies to a novel Rh Variant in maternal serum, associated with HDFN, bound to an RHCE construct	<b>Sunil Abraham</b> Evaluation of Cascade Abrazo PT and APTT Point-of-Care testing system at SA Pathology		
<b>1450 – 1530</b>	<b>Afternoon Tea – Hall N (Exhibition Hall)</b>				
<b>1530 – 1700</b>	<b>Skills Development Pathway – Hall M</b> Panel Presentation + Q&A – AIMS Fellowship (Assoc Prof Tony Woods), APACE (Maureen Jacobsen), CMLS (Sarah Just), AJMS (Robyn Wells)				
<b>1900 – 2300</b>	<b>Dinner – Panorama Ballroom</b>				

## FRIDAY 23 AUGUST 2024

<b>Chair</b>	<b>Prof Denise Jackson</b>
<b>0830 – 0930</b>	<b>Saal Foley Lecture – Hall M</b> Dr Brian Dale Educating Medical Laboratory Scientists
<b>0930 – 1000</b>	<b>Plenary – Hall M</b> Julia Green (Australian Bragg Centre)

	Proton therapy for cancer treatment
<b>1000 – 1100</b>	<b>Plenary – Hall M</b> Assoc Prof Vanessa Tyrrell (Children’s Cancer Institute, University of NSW) Zero Cancer Mission
<b>1100 – 1130</b>	<b>Morning Tea – Hall N</b>
<b>Chair</b>	<b>Dr Brian Dale</b>
<b>1130 – 1200</b>	<b>Dr Kobe Von Wielligh (Lifeblood) – Hall M</b> Moving forward: Exploring emergency transfusion options
<b>1200 – 1230</b>	<b>Dr Manika Pal (CALHN) – Hall M</b> Obstetric haematology dilemmas
<b>1230 – 1300</b>	<b>Prof Hamish Scott (SA Pathology) – Hall M</b> Translating genomic research to standard of care Examples, barriers and solutions
<b>1300-1315</b>	<b>Closing Address (Prof Denise Jackson, AIMS President)</b>
<b>1300 - 1400</b>	<b>Lunch – Hall N</b>
Close	

## PRINCIPAL PARTNERS

