

# MONDAY 3 SEPTEMBER 2018

0730-1730	<b>Registration Desk Opens</b>				
0900-0930	<b>OPENING CEREMONY</b> Welcome Presentation of AIMS Life Memberships, Fellowships & Awards Presentation of AACB Membership Awards				COCKLE BAY ROOM (L3)
0930-1030	<b>OPENING PLENARY</b> <i>Chair: Mr Peter Ward</i> <b>David Curnow Plenary Lecture</b> Unravelling the heterogeneity of diabetes in youth – can 'omics' help? <b>Prof Maria Craig</b>				COCKLE BAY ROOM
1030-1100	<b>Morning Tea &amp; Opening of Industry Exhibition</b>				THE GALLERY (L2)
1100-1230	<b>CONCURRENT SESSIONS</b>				
	<p>COCKLE BAY (L3)</p> <p><b>1. Inborn Errors of Metabolism</b> <i>Chair: Dr Kevin Carpenter</i></p> <p>Mitochondrial Disease <b>Prof Carolyn Sue</b></p> <p>Mass spectrometry for diagnosis of inborn errors <b>Dr Kevin Carpenter</b></p> <p>Inborn errors of metabolism- the adult perspective <b>Dr Michael Tchan</b></p>	<p>C3.3 (L3)</p> <p><b>2. Familial Hyperlipidemia</b> <i>Chair: Prof Markus Herrmann</i></p> <p>Familial Hyperlipidemia in clinical practice <b>Dr Shubha Srivivasan</b></p> <p>Familial Hypercholesterolaemia <b>Prof David Sullivan</b></p> <p>Genetic Counselling in Familial Hypercholesterolaemia <b>Ms Catherine Spinks</b></p>	<p>C3.4 (L3)</p> <p><b>3. Genetic Testing</b> <i>Chair: Mr Neil Horton</i></p> <p>Advances in genomic testing for inherited disease <b>A/Prof Tony Roscioli</b></p> <p>Preconception testing for Fragile X, CF and SMA <b>Dr David Amor</b></p> <p>The Australian Genomics Health Alliance health services research project <b>A/Prof Meredith Wilson</b></p>	<p>C3.2 (L3)</p> <p><b>4. Transfusion</b> <i>Chair: Ms Glenda Mann</i></p> <p>The molecular basis of Rh variants <b>Dr Gregory Denomme</b></p> <p>Latest treatment options for the haemoglobinopathy and thalassaemia patients including transfusion <b>A/Prof Robert Lindemann</b></p> <p>Red cell genotyping in the blood supply chain: finding donors for haemoglobinopathy patients <b>Dr Gregory Denomme</b></p>	<p>C3.5 (L3)</p> <p><b>5. Haematology</b> <i>Chair: A/Prof Ralph Green</i></p> <p>I'm a gene in a bottle, baby: The beginning of the end of haemophilia <b>Prof John Rasko</b></p> <p>Challenges to hospital scientists manufacturing human cells <b>Dr Zlatibor Velickovic</b></p>
1230-1400	<b>Lunch, Posters &amp; Industry Exhibition</b>		THE GALLERY	<b>1300-1330 SKILLS SCHOOLS</b> Method validation/comparison <b>Mrs Julie Sherfan and Ms Dorothy Kouzios</b>	
1400-1530	<b>CONCURRENT SESSIONS</b>				
	<p>COCKLE BAY</p> <p><b>6. Obesity</b> <i>Chair: Dr Paul Williams</i></p> <p>Obesity is a chronic non-communicable disease and must be treated as such! <b>Prof Ian Caterson</b></p> <p>Obesity and its co-morbidities <b>Dr Kath Williams</b></p> <p>Hospital Perspective <b>Dr Lucy Ding</b></p>	<p>C3.3</p> <p><b>7. Genomics</b> <i>Chair: Mr Robert Flatman</i></p> <p>Whole Genome Analysis: How it works, and what it can do <b>Prof Leslie Burnett</b></p> <p>Gene editing: an exciting new therapeutic frontier <b>Dr Ian Alexander</b></p>	<p>C3.2</p> <p><b>8. Morphological features and treatment of inherited disorders</b> <i>Chair: Ms Maree Stacy</i></p> <p>Morphological features and treatment of inherited disorders <b>Ms Gillian Rozenberg</b></p> <p>Diagnosis and Morphology of two different cases of congenital non-malignant haematological disorders <b>Dr Catherine Harris</b></p> <p>Treatment of inherited disorders in paediatrics <b>Dr Richard Mitchell</b></p>	<p>C3.4</p> <p><b>9. Global Diseases &amp; Biosecurity</b> <i>Chair: Mr Michael Nolan</i></p> <p>The threat of antimicrobial resistance in animals in Australia <b>Dr Robyn Martin</b></p> <p>Malaria: global challenges for malaria eradication <b>Prof Graham Brown</b></p> <p>Avian influenza. Why the concern? <b>Prof Ian Barr</b></p>	<p>C3.5</p> <p><b>10. Immunology</b> <i>Chair: Dr Donna Rudd</i></p> <p>The evolution of immune checkpoint therapy in aggressive lymphomas <b>Dr Colm Keane</b></p> <p>Chimeric Antigen Receptor T-cells for Cancer <b>Dr Kenneth Micklethwaite</b></p>
1530-1600	<b>Afternoon Tea &amp; Industry Exhibition</b>				
1600-1700	<b>CONCURRENT PLENARY SESSIONS</b>				
	<p>C3.3</p> <p><b>PLENARY 2: QAP PLENARY</b> <i>Chair: Mr Peter Graham</i> Harnessing laboratory data for better informed practice <b>Dr Tze Ping Loh</b></p>		<p>COCKLE BAY</p> <p><b>PLENARY 3: Saal Foley Lecture</b> <i>Chair: Ms Robyn Wells</i> The role of medical laboratory science in international public health <b>Ms Anne Johnston</b></p>		
1700-1900	<b>INDUSTRY GALA FUNCTION</b>				

0730-1700	Registration Desk Opens									
0730-0830	<b>MEET THE EXPERT BREAKFAST SESSIONS</b> Table 1. <b>Prof Andy Hoofnagle</b> - Introduction to Clinical Mass Spectrometry Table 2. <b>Dr Gregory Denomme</b> - Phenotype Q&A Session Table 3. <b>Dr Tze Loh Ping</b> - Reference intervals and biological variation Table 4. <b>Prof Markus Herrmann</b> - Analytical and clinical aspects of steroid hormones and vitamin D Table 5. <b>Dr Ken Dutton-Regester</b> - Professional Development for Early Career Researchers: How to become a well-rounded scientist, achieve your career goals and increase your visibility Table 6. <b>Prof Rita Horvath</b> - Evaluating new tests to meet clinical need Table 7. <b>Dr Graham Jones</b> - Harmonisation Table 8. <b>Dr Sara Ng</b> – ROTEMs and TEGs: how they work and benefit the patient				C3.3					
0900-1000	<b>CONCURRENT PLENARY SESSIONS</b> <b>PLENARY 4:</b> <i>Chair: Prof Rita Horvath</i> <b>David Rothfield Memorial Oration</b> Using mass spectrometry to measure proteins for the care of patients <b>Prof Andy Hoofnagle</b>					COCKLE BAY	<b>PLENARY 5:</b> <i>Chair: Ms Anne-Marie Christensen</i> Making Melanoma: how genomics is improving patient survival <b>Dr Ken Dutton-Regester</b>	C3.4/C3.5		
1000-1030	Morning Tea & Industry Exhibition									
1030-1200	<b>CONCURRENT SESSIONS</b> <b>COCKLE BAY</b> <b>DiaSorin Industry Symposium</b> Faecal Biomarkers in Biochemistry <b>Prof Roy Sherwood</b> <b>Dr Iris Kutschera</b> Updates in Endocrinology <b>Mr Greg Ward</b> 					<b>C3.2</b> <b>Roche Diagnostics Industry Symposium</b> <b>Biotin - The Facts</b> An exploration into the myths and reality of biotin and other assay interferences. <b>Assoc. Clinical Prof. Nam Tran</b> <b>Dr Chen-Fee Lim</b> 	<b>C3.4</b> <b>BioRad Laboratories Industry Symposium</b> <i>Moderator: Dr Curtis Parvin</i> Reducing Costs and Enhancing Quality in the Laboratory - Is it possible? <b>Ms Lisa Jolly</b> <b>Mr Derrick McPhie</b> 	<b>C3.5</b> <b>Student Presentation</b> <i>Chair: A/Prof Tony Woods</i> Laboratory Medicine in Myanmar – a University of South Australia Student Study Tour Perspective <b>Karen Gyedu, Adam Henderson, Jessica Hoptroff, Caitlin McGow, Adrian Neumann, Emily Vandebroek, Jae Williams, Prof Aye Aye Khin &amp; Dr Brian Dale</b>	<b>C3.3</b> <b>Histology Workshop</b> <i>Chair: Mr Trevor Hinwood</i> "Weird and wonderful" cases <b>DHM registrars</b>	
1200-1330	Lunch, Posters & Industry Exhibition		<b>1230-1300 SKILLS SCHOOL</b> Reference intervals <b>Mr David Hughes</b>	C3.4	<b>1230-1300 AIMS AGM</b>	C3.2				
1330-1510	<b>CONCURRENT SESSIONS</b> <b>COCKLE BAY</b> <b>11. Aptamers: Diagnostics &amp; Therapeutics</b> <i>Chair: Prof Andy Hoofnagle</i> Diagnostic uses of aptamers <b>Dr Sarah Shigdar</b> Targeted polymeric nanomedicines as cancer therapeutics <b>Dr Nicholas Fletcher</b> Nucleic Acid Aptamers: Versatile molecules for targeted therapy of solid cancers & neuromuscular diseases <b>Dr Rakesh Veedu</b>					<b>C3.2</b> <b>12. Novel Biomarkers &amp; Therapies</b> <i>Chair: A/Prof Susan McLennan</i> Oligonucleotide-Based Therapeutics: are we there yet for liver disorders? <b>Prof Peter Leedman</b> Serum Exosomal miRNA in Multiple Sclerosis <b>A/Prof Michael Buckland</b> IGF1BP-3 signaling in breast cancer <b>Prof Rob Baxter</b>	<b>C3.3</b> <b>13. Anatomical Pathology</b> <i>Chair: A/Prof Tony Woods</i> Histopathology - There is Life in the Old Dog Yet! <b>Dr Fiona Maclean</b> Liquid Biopsy Signatures in the Blood: clinical and diagnostic utility for cancer therapy <b>Dr Kevin Spring</b>	<b>C3.4</b> <b>14. Haematology</b> <i>Chair: Ms Robyn Wells</i> Genetic investigation of Acute myeloid leukemia <b>Dr William Stevenson</b> Molecular testing for lymphoid malignancies <b>Dr Grace Gifford</b> An update on the diagnosis and classification of Myeloproliferative Neoplasms <b>Dr Robin Gasiorowski</b>	<b>C3.5</b> <b>15. New technologies</b> <i>Chair: Dr Donna Rudd</i> Next-generation biomedical devices used for disease diagnosis <b>Dr Olga Shimoni</b> Inertial microfluidic separation of circulating foetal cells: Towards cell-based non-invasive testing <b>Dr Marnie Winter</b> "Immuno-flowFISH": Imaging flow cytometry for the assessment of chromosomal abnormalities in phenotyped chronic lymphocytic leukaemia cells in suspension <b>Dr Kathy Fuller</b>	<b>C3.1</b> <b>16. Transfusion</b> <i>Chair: Ms Anne Johnston</i> Using genotyping to select blood for patients on immunotherapy, such as daratumumab <b>Ms Jacqui Martin</b> Monoclonal antibody drug treatments causing problems for the laboratory <b>Ms Glenda Mann</b>
1510-1540	Afternoon Tea & Industry Exhibition									
1540-1640	<b>PLENARY 6</b> <i>Chair: Dr Andrew St John</i> Looking at risk: NPAAC's recently released Standards <b>A/Prof Beverley Rowbotham</b> National Certification Scheme for Medical Laboratory Scientists <b>Mr Lee Ridoutt</b>				COCKLE BAY					
1640-1730	<b>PLENARY 7</b> <i>Chair: Mr David Hughes</i> The ProCan Project: delivering proteogenomic data to the cancer clinician <b>Prof Roger Reddel</b>				COCKLE BAY					
1900-2300	CONFERENCE DINNER – DOLTONE HOUSE JONES BAY WHARF									

## WEDNESDAY 5 SEPTEMBER 2018

0800-1600	Registration Desk Opens				
0815-0915	<b>POSTERS BREAKFAST SESSION</b> – includes a light stand up breakfast around the poster area. Poster presenters will be at their poster to discuss & answer questions at the following designated times.				THE GALLERY
0820-0840	Odd numbered Posters				
0850-0910	Even numbered Posters				
0930-1030	CONCURRENT SESSIONS				
	<b>COCKLE BAY</b> <b>17. Biomarkers of Dementia</b> Chair: Mr David Hughes  A quantitative approach to primary prevention of Alzheimer's disease: progress in blood-based screens and other methods to detect persons at risk <b>Prof Colin Masters</b>  Serum and brain miRNA exosomal biomarkers associated with neurodegenerative diseases <b>Dr Lesley Cheng</b>	<b>C3.2</b> <b>18. QAP Update</b> Chair: Mr Peter Graham  QAP Update <b>Mr Peter Graham</b>  myQAP Update <b>Mr Derek Holzhauser</b>  Sweat Testing / Cystic Fibrosis Update <b>Dr John Massie</b>  Body Fluids / Liquid Serum Chemistry Update <b>Dr Graham Jones</b>	<b>C3.4</b> <b>19. Haematology/flow</b> Chair: Ms Robyn Wells  "Immuno-flowFISH": Imaging flow cytometry for MRD monitoring in phenotyped leukaemia cells <b>Dr Kathy Fuller</b>  MRD In A Clinical Flow Lab: A Practical Guide <b>Dr Sandy Smith</b>	<b>C3.5</b> <b>20. Micro/Public Health</b> Chair: Mr Michael Nolan  CMV, Enterovirus and other intrauterine infections causing chronic sequelae <b>Prof Bill Rawlinson</b>  Antimicrobial resistance a threat to public health <b>Dr John Merlino</b>	<b>21. Genetics</b> <b>This session has been cancelled</b>
1030-1100	Morning Tea & Industry Exhibition				
1100-1230	CONCURRENT SESSIONS				
	<b>C3.4</b> <b>Proffered papers Session 1</b> Chair: Ms Julie Sherfan  Fasting and non fasting lipid profile among health care workers at teaching hospital Batticaloa Sri Lanka <b>Dr Majitha Seyed Ibrahim</b>  Assessment of Methylmalonic Acid compared to holotranscobalamin in serum samples <b>Mr Tim Smith</b>  Reference limits for methylmalonic acid for detecting vitamin B12 deficiency <b>Dr Phoebe Stanford</b>  Total iron binding capacity calculation - to be revisited <b>Dr Geetha Rathnayake</b>  Body Fluid Testing: verification of the performance of serum-validated assays in various fluid matrices on a Roche Cobas C701 analyser <b>Dr Zhong X Lu</b>	<b>C3.2</b> <b>Proffered papers Session 2</b> Chair: Ms Dorothy Kouzios  Reference change values for critical results – is my patient getting worse? <b>A/Prof Graham Jones</b>  Lipidomic signatures in cancerous pleural effusions and their clinical translation for cancer diagnosis and prognosis in laboratory medicine <b>Dr Chun-yiu Law</b>  Clinical Application of Nuclear Magnetic Resonance (NMR) Spectroscopy in biochemical genetics <b>Dr Chun-yiu Law</b>  Bisulphite free measurement of MGMT methylation in glioblastoma <b>Dr Daniel Burke</b>	<b>COCKLE BAY</b> <b>Proffered papers Session 3</b> Chair: Mr David Hughes  Appropriateness of pathology requests according clinical notes supplied with ferritin requests using the metric of mean abnormality rate <b>A/Prof Ken Sikaris</b>  Appropriateness of pathology requests according clinical notes supplied with TSH requests using the metric of mean abnormality rate <b>A/Prof Ken Sikaris</b>  Harmonisation of IGF-1 reference intervals across a single laboratory network <b>Mr Peter Ward</b>  Early morning salivary cortisol assesses HPA axis suppression in children with atopic dermatitis on topical glucocorticosteroid <b>Dr Cherie Chiang</b>  Parathyroid hormone: the case for age-related reference intervals <b>Dr Chris Farrell</b>	<b>C3.1</b> <b>Proffered papers Session 4</b> Chair: Ms Anne-Marie Christensen  Laboratory diagnosis of acquired factor inhibitors <b>Mrs Amali Herath Mudiyansele</b>  When prophylaxis fails <b>Ms Chan Jiang</b>  Vitamin D status of new-born infants; LC-MS/MS analysis of archived new-born screening dried blood spots <b>Ms Rosita Zakaria</b>  Lactate Dehydrogenase (LDH) activity in tumor extracellular microenvironment strongly associated with overall survival <b>Prof Ching-wan Lam</b>	<b>C3.5</b> <b>Proffered papers Session 5</b> Chair: Mr Michael Lynch  Laboratory quality control in infectious disease serology testing- are we truly out of control or jumping at shadows? <b>Mr Giuseppe Vincini</b>  Excess mortality in the presence of hyperhomocystenemia and vitamin B6 deficiency, the role of oxidative stress, inflammation and telomere shortening <b>Prof Markus Herrmann</b>  Discovering the faecal microbiome of pre-term neonates in the NICU at Townsville Hospital and Health Service <b>Dr Donna Rudd</b>  False positive HBV core and E antibody results due to biotin interference <b>Dr Christina Trambas</b>  Vitamin D test requests: are the MBS criteria effective? <b>Miss Caitlin McGow</b>
1230-1400	Lunch, Posters & Industry Exhibition	<b>1300-1330 SKILLS SCHOOL</b> Biostatistics <b>Dr Doug Chesher</b>	C3.4	<b>1300-1345 AACB AGM</b>	C3.2
1400	Exhibition Closes				

<b>1400-1530</b>	<b>CONCURRENT SESSIONS</b>				
	<p><b>COCKLE BAY Symposium 22</b> <i>Chair: Mr Robert Flatman</i></p> <p>Assessment of haemoglobin A1c in patients with haemoglobin variants <b>Dr David Sacks</b></p> <p><b>SRAC:</b></p> <p>SRAC review <b>Mr Robert Flatman</b></p> <p>POCT Working Party Update <b>Ms Rosy Tirimacco</b></p> <p>Body Fluids Update <b>Dr James Doery</b></p> <p>Harmonisation Update <b>Dr Graham Jones</b></p>	<p><b>C3.2 QAP Clinical Cases</b> <i>Chair: Mr Peter Graham</i></p> <p>Introduction <b>Mr Peter Graham</b></p> <p>Case 1 <b>Dr Graham Jones</b></p> <p>Case 2 <b>Dr Joel Smith</b></p> <p>Case 3 <b>Dr Penny Coates</b></p> <p>Case 4 <b>Dr Nilika Wijeratne</b></p> <p>Summary</p>	<p><b>C3.1 Symposium 23: Virology</b> <i>Chair: Mr Michael Nolan</i></p> <p>Chronic medical conditions and severe influenza virus infections <b>Dr Kirsty Short</b></p> <p>Norovirus and cruise ships <b>Dr Jennifer Lun</b></p>	<p><b>C3.4 Management Workshop</b> <i>Chair: Mr Neil Horton</i></p> <p>Difficulties faced when taking on a managers role <b>Ms Anne Simic</b></p>	<p><b>C3.5 Symposium 24: Coagulation and Transfusion</b> <i>Chair: Ms Christine Gorringe</i></p> <p>Review of Transfusion requirements for organ transplants – liver, heart, kidney <b>Dr Liane Khoo</b></p> <p>ROTEM in the Management of Cardiothoracic Surgery/ICU Critical Bleeding <b>Dr Megha Jain</b></p> <p>Coagulation results and consequent treatment of chronic liver disease patients. <b>Dr Sunaina Miranda</b></p>
<b>1530-1600</b>	<b>Afternoon Tea</b>				<b>COCKLE BAY FOYER (L3)</b>
<b>1600-1700</b>	<p><b>CLOSING PLENARY</b> <i>Chair: Ms Robyn Wells</i></p> <p>The end of targeted testing: Should patients routinely be given more information? <b>Dr Ainsley Newson</b></p>				<b>COCKLE BAY</b>
<b>1700-1715</b>	<b>CLOSING CEREMONY AND ORAL &amp; POSTER PRIZE PRESENTATIONS</b>				
<b>1715-1815</b>	<b>CLOSING RECEPTION</b>				<b>COCKLE BAY FOYER</b>

