

# AACB 53rd Annual Scientific Conference

## Clinical Chemistry and Endocrinology - Partnerships in Testing

15-17 September 2015, ANZ Stadium, Sydney Olympic Park, NSW

TUESDAY 15 SEPTEMBER - DIABETES			
0730-1730	<b>Registration Desk Open</b> <i>Boulevard Lounge, L4, Gate C</i>		
0900-0915	<b>Opening Ceremony</b> <i>Millennium Room, L4</i>		
0915-1030	<b>Opening Plenary - HbA1c for Diagnosis</b> <i>Millennium Room, L4</i> HbA1c for Diagnosis - Its acceptability for Diagnosis (including pregnancy and in children) - <b>A/Prof Aidan McElduff</b> Implementation of HbA1c as a Diagnostic Test in New Zealand - <b>Prof Chris Florkowski</b> The introduction of HbA1c as a Diagnostic Test in Australia - <b>A/Prof Graham Jones</b>		
1030-1100	<b>Morning Tea &amp; Opening of Industry Exhibition</b> <i>Boulevard Lounge, L4</i>		
1100-1230	<b>CONCURRENT SYMPOSIUMS</b>		
	<b>Symposium 1 – Complications</b> <i>Millennium Room, L4</i>  Diabetic Hyperlipidaemia - <b>A/Prof David Sullivan</b> Fibrogenesis Biomarkers in Diabetes Complications - <b>Prof Stephen Twigg</b> Advanced Glycation in Diabetes and Effect of Diet - <b>Prof Josephine Forbes</b>	<b>Symposium 2 – Mechanisms</b> <i>Legends Room, L5</i>  Insulin Assays: Fit for Purpose - <b>A/Prof Paul Williams</b> Mechanisms of $\beta$ -cell Failure in Type 2 Diabetes – <b>A/Prof Ross Laybutt</b> Closing the Loop or Running in Circles? Making Progress – <b>A/Prof Jenny Gunton</b>	
1230-1400	<b>Lunch, Exhibition &amp; Posters</b> <i>Boulevard Lounge &amp; Millennium Room Third, L4</i>		
1400-1530	<b>SUBMITTED ORAL PAPERS</b>		
	<b>SESSION A</b> <i>Millennium Rm, L4</i>  Dried Blood Spot 17 Hydroxyprogesterone Measurement Utilising On-Line SPE Coupled to UPLC-MS/MS – <b>Mr Brett McWhinney</b>  Plasma Free Metanephrines By LC- MSMS: Comparison of Methods in use Across Australia and New Zealand – <b>Dr Malcolm Whiting</b>  Evaluation of Abbott Architect Urine Free Cortisol Cut-Off – <b>Dr Geetha Rathnayake</b>  Hormone Modelling In Preterm Neonates: Establishment Of Serum Steroid Reference Intervals By LC- MS/MS – <b>Dr Ronda Greaves</b>	<b>SESSION B</b> <i>Legends Rm, L5</i>  Antibody Interference in ACTH Immunoassay Complicating Management of Cushing’s Disease – <b>Dr Kay Weng Choy</b>  Corticosteroid-Binding Globulin Cleavage is Paradoxically Reduced in Alpha-1 Antitrypsin Deficiency: Implications for Cortisol Homeostasis – <b>Dr Marni Nenke</b>  Laboratory Management Of Haemolysed Samples: Results of an RCPAQAP Survey – <b>Ms Penny Petinos</b>  Supporting Glucose Testing Over 1 Million Square Kilometres – <b>Ms Rosy Tirimacco</b>  Analysis Of Troponin T Delta Changes For The Diagnosis Of Ami – <b>Dr Philip Tideman</b>	<b>SESSION C</b> <i>Champions Rm, L5</i>  Modified Abbott C16000 Urine Protein Method for Patients with Dilute Urine – <b>Ms Rebecca Cherrie</b>  Measurement Uncertainty for The Clinical Laboratory – A Revision of the Concept – <b>A/Prof Graham Jones</b>  The Relationship Between Routine Vitamin B6 Levels and Non-P5P Transaminase Assay Activity – <b>Dr Christina Trambas</b>  What is an Equivocal Serum Total Vitamin B12 Concentration? – <b>Dr Zhong Lu</b>  Assessing The Quality of Laboratory Measurements of Hormones in the 2015 RCPAQAP Endocrine Program – <b>Dr Veronica Vamathevan</b>
1530-1600	<b>Afternoon Tea &amp; Exhibition</b> <i>Boulevard Lounge, L4</i>		
1600-1700	<b>Plenary 2 - Time to Retire Microalbumin</b> <i>Millennium Rm, L4</i>  For the "negative side" - <b>A/Prof Graham Jones</b> For the "affirmative side" - <b>Prof Richard MacLissac</b>		
1700-1900	<b>Welcome &amp; Industry Gala Function</b> <i>Boulevard Lounge, L4</i>		

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WEDNESDAY 16 SEPTEMBER - ENDOCRINE			
0730-1730	<b>Registration Desk Open</b> <i>Boulevard Lounge, L4</i>		
0800-0830	<b>HOT TOPICS POSTERS - Stand-up light breakfast in exhibition hall</b> <i>Boulevard Lounge, L4</i>		
0830-0915	<b>HOT TOPIC POSTER PRESENTATIONS</b>		
	<p><b>SESSION A</b> <i>Millennium Rm, L4</i></p> <p>A Simple Tool to Identify at Risk Assays using Eqa Data – <b>Prof Tony Badrick</b></p> <p>HbA1c Across Four Platforms. The Abbott Architect Enzymatic Method, Bio-Rad Variant HPLC with the Alere Affinion and Roche B101 Poc Immunoassay Methods – <b>Mr David Hughes</b></p> <p>Is there a Total B12 Level Below Which Holotranscobalamin Adds No Value? – <b>Dr Lee Price</b></p> <p>Validation of Biochemical Testing of Fluid Samples by Dilution into a Serum Matrix: A Preliminary Investigation – <b>Dr Jason Chung</b></p> <p>Evaluation of the Precision and Accuracy of HbA1c Assays – <b>Dr Christina Trambas</b></p> <p>Establishment of an External Quality Assurance Program for Serum Dihydrotestosterone – <b>Dr Ronda Greaves</b></p>	<p><b>SESSION B</b> <i>Legends Rm, L5</i></p> <p>Improved Measurement of Plasma Free Metanephrines Utilising on-line SPE Coupled to UPLC-MS/MS – <b>Ms Brianna Myers</b></p> <p>LC-MSMS Allows Detection and Monitoring of Anti-Psychotic Polypharmacy – <b>Dr Malcolm Whiting</b></p> <p>Multistage Fragmentation of 1<math>\alpha</math>, 25(OH)<sub>2</sub>-Vitamin D<sub>3</sub> Combined with Metabolite Profile by LCMSMS Utilising a Quadrupole Linear Ion Trap – <b>Dr Brian Cooke</b></p> <p>Development of a Method for The Simultaneous Measurement of Serum Testosterone, 17-Hydroxyprogesterone and Androstenedione by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) – <b>Mr Michael Henman</b></p> <p>A Novel Application of Liquid Chromatography-Tandem Mass Spectrometry Technology for Establishing the Presence of Topical Steroids in a Skin Whitening Cream – <b>Ms Kate Waller</b></p> <p>Integrating LC-MS/MS into a Clinical Laboratory: Hands-Free Data Transfer From Sample Handling to Result Review – <b>Mrs Renee Sahertian</b></p>	<p><b>SESSION C</b> <i>Champions Rm, L5</i></p> <p>A Pragmatic Approach to Paediatric Reference Intervals for Cerebrospinal Fluid (CSF) Total Protein, Glucose and White Blood Cell Count using Published Evidence, Clinical Consensus and In-House Verification – <b>Dr Clement Ho</b></p> <p>Discordant Troponin T Vs Troponin I Results in Patients with Skeletal Muscle Disease – <b>Dr Mohamed Saleem</b></p> <p>A Bhattacharya Analysis Of Urine Free Cortisol - <b>Miss Samantha Harrower</b></p> <p>Determination Of A Reference Interval For Igf1 By Data Mining Using The Bhattacharya Technique – <b>Dr David Kanowski</b></p> <p>Is POCT Troponin Safe? – <b>Dr Philip Tideman</b></p>
0930-1030	<b>Plenary 3 - David Curnow Plenary Lecture</b> <i>Millennium Rm, L4</i>		
	Biochemistry of Pheochromocytomas <b>Prof Graeme Eisenhofer (Germany)</b>		
1030-1100	<b>Morning Tea &amp; Exhibition</b>		
1100-1230	<b>CONCURRENT SYMPOSIUMS</b>		
	<p><b>Symposium 3 – Clinical</b> <i>Millennium Rm, L4</i></p> <p>Assessment of Polycystic Ovary Syndrome - <b>Dr Anju Joham</b></p> <p>FGF-21 as a Metabolic Hormone - <b>Prof Carolyn Sue</b></p>	<p><b>Symposium 4 – Laboratory</b> <i>Legends Rm, L5</i></p> <p>Hormone Analysis by LCMS - <b>Mr Michael Wright</b></p> <p>Macroprolactin – current processes and recommendations - <b>Ms Lyn Boscato</b></p>	

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	BMAL and the Metabolic Clock - <b>Prof David Kennaway</b>	Assays for monitoring Cushing Syndrome – <b>A/Prof Ann McCormack</b>
1230-1400	<b>Lunch, Posters &amp; Industry Exhibition</b>	<i>Boulevard Lounge, L4</i>
1400-1530	<b>CONCURRENT SYMPOSIUMS</b>	
	<b>Symposium 5 - Molecular Advances</b> <i>Millennium Rm, L4</i> Cortisol responses can identify individuals with increased susceptibility to obesity - <b>Dr Belinda Henry</b> Molecular Diagnostics in Thyroid Cancer - <b>Dr Catherine Woolnough</b> Molecular Testing in Pheochromocytoma - <b>Dr Diana Benn</b>	<b>Symposium 6: SRAC Symposium</b> <i>Legends Rm, L5</i> Metanephrine Testing – Why, How and When - <b>Dr Gerald Woollard</b> Performance of Glycohaemoglobin in Australian and NZ laboratories – <b>A/Prof Graham Jones</b> Endocrine Program: A Working Review – <b>Ms Lyn Boscato</b>
1530-1600	<b>Afternoon Tea &amp; Exhibition</b>	<i>Boulevard Lounge, L4</i>
1600-1700	<b>Plenary 4</b> <i>Millennium Rm, L4</i> Laboratory Testing for Primary Aldosteronism in 2015 – Current Situation and Important New Developments <b>Prof Michael Stowasser</b> The Performance and Adequacy of Current Laboratory Assays for GH and IGF1 <b>Prof Ken Ho</b>	
1900-2330	<b>Siemens Healthcare Diagnostics Conference Dinner</b>	

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### THURSDAY 17 SEPTEMBER - BONE & MINERAL

0730-1630	<b>Registration Desk Open</b>	
0915-1030	<b>Plenary 5 - QA Update</b> <i>Millennium Rm, L4</i> <b>APFCB Travelling Lecturer</b> Getting the right answer to manage the patient - the importance of traceability <b>A/Prof Graham Jones</b> Review of QA Activities – <b>Ms Kristina Barancek</b>	
1030-1100	<b>Morning Tea</b> <i>Boulevard Lounge, L4</i>	
1100-1230	<b>CONCURRENT SYMPOSIUMS</b>	
	<b>Symposium 7 - Bone Health</b> <i>Millennium Rm, L4</i> The Biochemical Assessment of “Bone Health” - <b>Dr Ee Mun Lim</b> Clinicobiochemical Approach to Hypophosphataemia - <b>A/Prof Roderick Clifton-Bligh</b> Calcium Sensing Receptor: Making Sense of Calcium Regulation - <b>A/Prof Arthur Conigrave</b>	<b>Symposium 8 - QA Update</b> <i>Legends Rm, L5</i> Endocrine Program Analyte Update – <b>Ms Lisa Jolly</b> Common Results: Are We Good Enough Yet? – <b>Ms Sabrina Koetsier</b> Adding Risk and EQA – <b>A/Prof Tony Badrick</b>
1230-1400	<b>Lunch &amp; Exhibition</b> <i>Boulevard Lounge, L4</i>	
1300-1400	<b>AACB Annual General Meeting</b> <i>Millennium Rm, L4</i>	
1400-1530	<b>CONCURRENT SYMPOSIUMS</b>	
	<b>Symposium 9 - Vitamin D 2015</b> <i>Millennium Rm, L4</i> LCMS Vitamin D - A Game Changer for Labs - <b>Mr Michael Wright</b> Human health and vitamin D status; 'why vitamin D trials and meta-analyses often indicate negative results' - <b>Prof Howard Morris</b> Vitamin D: Hype, Hope and Reality - <b>Prof Chris Florkowski</b>	<b>Symposium 10 - QAP Clinical Cases</b> <i>Legends Rm, L5</i> Introduction – Ms Kristina Barancek Case 1 – <b>Ms Helen Martin</b> Case 2 – <b>Mr Greg Ward</b> Case 3 – <b>A/Prof Graham Jones</b> Case 4 – <b>Dr Lan Nguyen</b>
1530-1600	<b>Afternoon Tea &amp; Closing of Industry Exhibition</b> <i>Boulevard Lounge, L4</i>	
1600-1700	<b>Closing Plenary</b> <i>Millennium Rm, L4</i> <b>Prof Tony Badrick's Hypothetical</b>	
1700-1715	<b>Closing Ceremony &amp; Presentation of the Roche AACB Oral and Poster Prizes</b> <i>Millennium Rm, L4</i>	
1715-1815	<b>Closing Reception</b> <i>Boulevard Gallery, L2</i>	