

Day 1: Thursday, 31 October 2024							
Time	Track 1	Track 2	Track 3	Track 4	Track 5		
8:00 am - 5:30 pm	Registration Opens						
Pre-Congress Workshops (Optional: tickets purchased separately) Morning tea will be served for workshop attendees between 10:30-11:00am							
Cockle Bay Room 1		Cockle Bay Room 2		Meeting Room C2.5 & C2.6		Meeting C2.2 & C2.3	
A1	Workshop 1	A2	Workshop 2	A3	Workshop 3	A4	Workshop 4
Chair: Andreas Bietenbeck		Chair: Joel Smith		Chair: Rosita Zakaria		Chair: Brett McWhinney	
Patient-Based Real-Time Quality Control Update		Myeloma Diagnosis and Monitoring		IFCC Working Group Method Evaluation Protocols		Mass Spectrometry - Post Analytical	
Andreas Bietenbeck Basic PBQC		Peter Mollee A clinician's perspective of MG testing - including where MS is useful		Chi Mai Tran Thi An overview of the method evaluation, comparison		9:00 9:15 9:15 9:30 9:30 9:45 9:45 10:30 Brett McWhinney & Ronda Greaves Welcome and Overview Jenny Cheng Experience of joining an established MS laboratory as a novice Brett McWhinney Total Testing Process of MS Ronda Greaves Results of the global Clinical MS post analytical survey	
Luke Duan Newer PBRTQC models and their advantages		Nilika Wijertane Current analytical issues of monoclonal gammopathy testing		Rosita Zakaria How to perform the precision evaluation			
10:30 am - 11:00 am	Morning Tea						
11:00 am - 1:00 pm	Chantelle Ebersohn Applying PBRTQC	Joel Smith Available Guidelines	Brian Cooke How to Perform Linearity Evaluation	11:00 12:45	Avis McWhinney & Danijela Kocic Forum on improving post analytical MS process issues. Including industry insights from Agilent, Bio-Rad, Bruker, CSOL, Solex, Shimadzu, ThermoFisher and Waters		
Andreas Bietenbeck How to select/deploy the parameters using his webtool		Theo De Malmanche Case Studies	Chris Farrell Correlation - when and how to use it	12:45 1:00	Brett McWhinney & Ronda Greaves Workshop Summary		
1:00 pm - 1:50 pm	Lunch (for Workshop and Lab Tours only)						
1:50 pm - 3:30 pm	Pyrmont Theatre Welcome to Country Chair: Helen Martin Opening Ceremony Plenary Session 1 RCPAQAP A/Professor Ken Sikaris Analysing Clinical Governance						
3:30 pm - 4:00 pm	Afternoon Tea						
4:00 pm - 5:30 pm	B1	B2	B3	B4			
Pyrmont Theatre Symposium 1		Cockle Bay Room 2 Symposium 2		Meeting Room C2.2 & C2.3 Symposium 3		Meeting Room C2.5 & C2.6 Symposium 4	
Chair: Hubert Vesper		Chair: Ronda Greaves		Chair: Tjan Sian Hwa		Chair: Chin Kin Felix Wong	
Establishment of sustainable measurement infrastructure for CVD markers		Urgent need for neonatal bilirubin test standardisation		Better diagnosis and healthcare for chronic diseases		Therapeutic Drug Monitoring and Pharmacogenomic testing in Hong Kong	
4:00 pm - 4:30 pm	Claudia Swart Establishing a metrologically robust C-Troponin I measurement infrastructure: where are we now	Christian Hulzebos Clinical need to prioritize standardization of neonatal bilirubin tests	Thyrza Darmadi Quality Management in POCT	Chi Kin Felix Wong Screening of Dihydropyrimidine Dehydrogenase (DPD) Deficiency by Plasma Uracil Measurement before Fluoropyrimidine Chemotherapy and Therapeutic Drug Monitoring of 5-Fluorouracil			
4:30 pm - 5:00 pm	Christa Cobbaert Establishing an SI-traceable Reference Measurement System for Multiple apolipoproteins to address Residual Cardiovascular Disease	Mercy Thomas Overview of non-invasive devices and new technologies for bedside neonatal bilirubin diagnosis and monitoring	Tjan Sian Hwa Competency and Training in POCT	Kam Chi Teresa Tsui An Overview of Therapeutic Drug Monitoring (TDM) and Pharmacogenetics (PG) Service Development in Hong Kong			
5:00 pm - 5:30 pm	Hubert Vesper Transitioning from a WHO-IFCC Reference Measurement System (RMS) for serum apolipoproteins A-I, B and (a) to an SI-traceable RMS: what are the implications for IVD-industry and end-users?	Lindsey Mackay Setting up a traceability chain for standardization of conventional and emerging neonatal bilirubin tests	Prasejit Mitra POCT versus central lab testing	Pak Lam Sammy Chen Prevalence of NUDT15 Variants and Association to Thiopurine-induced Toxicities: Implications for Pharmacogenetics in Clinical Practice			
5:30 pm - 7:30 pm	Welcome Reception						
Day 2: Friday, 1 November 2024							
Time	Track 1	Track 2	Track 3	Track 4	Track 5		
7:00 am - 8:00 pm	Registration Opens						
8:00 am - 9:15 am	Meet the Expert Breakfast Sessions						
9:30 am - 10:30 am	Pyrmont Theatre Chair: Ronda Greaves Plenary Session 2 DCPL Dr Carla Cuthbert CDC The changing landscape of laboratory testing - Lessons learned from newborn population screening in the US						
10:30 am - 11:00 am	Morning Tea						
11:00 am - 12:30 pm	C1	C2	C3	C4			
Pyrmont Theatre Symposium 5		Cockle Bay Room 2 Symposium 6		Meeting C2.2 & C2.3 Symposium 7		Meeting Room C2.5 & C2.6 Symposium 8	
Chair: Andy Hoofnagle		Chair: Greg Ward		Chair: Prasenjit Mitra		Chair: Woochang Lee	
Evaluating molecular biomarkers using next generation protein diagnostics		Hypertension – assigning the correct aetiology is still key to optimum management		Environmental sustainability of Clinical Laboratories		Nationwide standardization activities for clinical laboratory testing: Korean experience	
11:00 am - 11:30 am	Jennifer Van Eyk Fundamental insights in the human (glyco-)proteome and its clinical relevance for Precision Medicine	Cherie Chiang Primary Aldosteronism: Screening to Surgical Cure	Tjan Sian Hwa Green Lab: Global Challenge and APFCB initiatives on sustainability	Woochang Lee Current status of creatinine standardization in Korea			
11:30 am - 12:00 pm	Shane Ellis Spatial Metabolomics using Mass Spectrometry Imaging To Study Diseased Tissues	Ee Mun Lim An Update on the Clinical Diagnosis of Pheochromocytoma and Paraganglioma	Prasenjit Mitra Creating the sustainable clinical laboratory of the future	Sang-Guk Lee Experiences and challenges for lipid assay standardization in Korea			
12:00 pm - 12:30 pm	Andy Hoofnagle Is peptide-based calibration in Reference Measurement Systems the way forward for standardization of molecular defined protein measurands?	Cathie Lane Renal Hypertension	Mohd Jamsani Mat Salieh Digital transformation in sustainable management	Kyunghoon Lee Ongoing glucose standardization activities in Korea			
12:30 pm - 2:00 pm	Lunch and Poster Session 1 (The Gallery & Parkside Ballroom 1)						
2:00 pm - 3:30 pm	Concurrent Submitted Oral Presentations						
D1	D2	D3	D4	D5			
Pyrmont Theatre Chair: Robert Flatman		Cockle Bay Room 2 Chair: Tze Ping Loh		Meeting C2.2 & C2.3 Chair: Greg Ward		Meeting Room C2.5 & C2.6 Chair: Sian Hwa	
Nguyen Thi Thanh Hai Diagnostic validation of protein induced by vitamin k absence-II (pkvka-II) and the gaad algorithm for hepatitis b virus-related hepatocellular carcinoma surveillance in vietnam		Barnali Das Clinical validation and comparative study between the kdigo 2012 aki criteria and the aacc guidance document 2020		Mat Barrow How the UK National Pathology Exchange saved lives during Covid		Wei Hong Tay Multi-center clinical validation of a mass spectrometry immunoassay for the diagnosis of multiple myeloma and associated disorders	
2:00 pm - 2:15 pm	Songlin Yu Revisiting the specificity characteristic of LC-MS/MS in the measurement of steroids						

2:15 pm - 2:30 pm	Jaiprakash Mohanraj Association between Leptin and Leptin Receptor Polymorphisms with Leptin, BMI, Stress, Sleep and Eating Patterns among Multietnic Young Malaysian Adult Population from a Healthcare University	Chaochao Ma Establishment of reference intervals for serum protein electrophoresis parameters using hoffmann and refinor algorithms based on big data and evaluate its feasibility	Renee Ruhaak Correlation and commutability study among ms based candidate reference measurement procedure and immunoassays measuring Apolipoprotein A-I and Apolipoprotein B	Wenzhi Kong The association between non-high-density lipoprotein cholesterol to high-density lipoprotein cholesterol ratio (NHHR) and risk of endometrial cancer among US adults: A population-based study	Danni Mu Plasma steroid profiling combined with machine learning for the differential diagnosis in mild autonomous cortisol secretion from nonfunctioning adenoma in patients with adrenal incidentalomas
2:30 pm - 2:45 pm	Anurodh Gupta AFMC-ICMR PE Panel: A metabolomics based panel of plasma biomarkers for early detection of preeclampsia	Boxin Yang Serum exosomal microRNA-1258 may as a novel biomarker for the diagnosis of acute exacerbations of chronic obstructive pulmonary disease	Divika Sapelia Pre-natal dietary imbalance of excess folic acid with low vitamin b12 impacts the histone profile of placental imprinted genes and outcomes of pregnancy	Rishi Kumar Nigam Comparison of Various e-GFR Equations in Estimating Glomerular Filtration Rate in Indians	Jian Zhong Interpretable Steroid Profile-Related Diagnostic Models for Prostate Cancer Based on Random Forest Model and Shapley Value
2:45 pm - 3:00 pm	Maurice O'Kane Diagnosing heterozygous familial hypercholesterolaemia (HeFH): the N. Ireland experience	Rahinaz Usman Bedrabettu Harnessing the potential of miRNA-494 as a diagnostic and monitoring biomarker for nephrotic syndrome	Bin Yan Clinical application of platelet-derived values in the diagnosis and management of common children thrombocytopenia	Vani Anand Towards Sustainable Clinical Laboratories: Strategies and Implementation for Environmental Responsibility	Yusheng Zhu A double-delta algorithm for the triage of chest pain patients using a High-Sensitivity Cardiac Troponin T Assay
3:00 pm - 3:15 pm	Chun Yu Law A treatable metabolic cause of elevated creatine kinase in adult: glutaric aciduria type II	Anshika Chauhan Gene expression signatures of circulating tumour cells act as predictive biomarker for oral squamous cell carcinoma	Clarissa Theodora A 5-year descriptive study of congenital hypothyroidism, congenital adrenal hyperplasia, glucose-6-phosphate dehydrogenase deficiency newborn screening in a tertiary hospital in Jakarta, Indonesia	Muhammad Zabri Tan Marina Shah Beyond Percentiles: Leveraging Minimum and Maximum Values for Enhanced Reference Interval Estimation Using a Clustering-Based Method	Hans Schneider Do we need altered reference intervals for Transaminases? Evidence from the Asprex study
3:15 pm - 3:30 pm		Desai Vidya Sripad Association of sIc30a8 and pparq gene polymorphism in type II diabetes mellitus in South India		Saurav Nayak Application of patient-based real-time quality control (PBRTQC) in a tertiary care setup of a developing healthcare sector: From primary principles to practice pipelining	Kevin Mantik Steroid profiling in the diagnosis of Adrenal Disease
3:30 pm - 4:00 pm	Afternoon Tea				
	Pyrmont Theatre	Cockle Bay Room 2	Meeting C2.2 & C2.3	Meeting Room C2.5 & C2.6	Cockle Bay Room 1
	E1 Symposium 9	E2 Symposium 10	E3 Educational Workshop 1	E4 Educational Workshop 2	E5 Educational Workshop 3
	Chair: Zhen Zhao	Chair: Peter Graham	Chair: Praveen Sharma	Chair: Ferdj Marpaung	Chair: Dr Sameena Ghufuran
4:00 pm - 5:30 pm	Applications of omics technologies in liquid biopsy in laboratory medicine. Liquid biopsies consist of isolating tumour-derived entities followed by an analysis of genomic and proteomic data	What is wrong with this patient?	Risk Management in Clinical Laboratory	Laboratory Testing for Tuberculosis: sharing experience from Indonesia	Rejuvenating Health Professional Education in Laboratory Medicine
4:00 pm - 4:30 pm	Jing Cao Application of proteomics in liquid biopsy in Laboratory Medicine	Penny Coates Hyponatraemia post abdominal surgery	Praveen Sharma An Overview of Risk Management	A.A Wiradewi Lestari Sputum Smear Microscopy in Tuberculosis: Challenge and Opportunity	Aamir Ijaz Innovation in Teaching and Assessment
4:30 pm - 5:00 pm	Zhen Zhao Advances of metabolomics in laboratory Medicine	Nilika Wijeratne 12 year old with ? iron deficiency	Prasenjit Mitra Risk Management Process in the Clinical Laboratory	Jusak Nugraha Latent Tuberculosis Infection: Implementation of antibody testing	Imran Siddiqui Development of CS Level MCQs in Non-Clinical Topics
5:00 pm - 5:30 pm	Wei Cui Advances of liquid biopsy in molecular diagnostics	Helen Martin A case of paracetamol poisoning	Raja Elina Aziddin Applying Risk Management for Continuous Improvement	Ida Parwati Molecular testing in early detection and drug resistance management	Hafsa Majid Curriculum Development using a Virtual Community of Practice (CoP) in Biochemical Genetics
7:00 pm - 11:00 pm	Congress Dinner Doltone House Jones Bay Wharf, Pyrmont				
Day 3: Saturday, 2 November 2024					
Time	Track 1	Track 2	Track 3	Track 4	Track 5
8:30 am - 5:00 pm	Registration Opens				
9:30 am - 10:30 am	Pyrmont Theatre Chair: Tony Badrick Plenary Session 3 Professor Gerald Watts Between Scylla and Charybdis: Navigating Risk of Inherited Heart Disease due to FH and High Lp(a)				
10:30 am - 11:00 am	Morning Tea				
11:00 am - 12:30 pm	Pyrmont Theatre	Cockle Bay Room 2	Meeting C2.2 & C2.3	Meeting Room C2.5 & C2.6	
	F1 Symposium 11	F2 Symposium 12	F3 Symposium 13	F4 Symposium 14	
	Chair: Ronda Greaves	Chair: Tony Badrick	Chair: Woei-Hong Fang	Chair: Jagat Kanwar	
	Genetic challenges in Paediatric Services	Using EQA to reduce patient risk	Precision diagnosis and new parameters for Cardiovascular Disease	Diabetes Mellitus & Non Alcoholic Fatty Liver Disease – Cracking the Conundrum	
11:00 am - 11:30 am	Zornitza Stark Accelerating rare disease diagnosis: from rapid testing to newborn screening	Chris Farrell Troubleshooting HbA1c external quality assurance results	Yi Huang The role of Apo E gene polymorphism variants in lipid metabolism	Rajiv Ranjan Sinha Demographic Profile and Metabolic Aberrations of Non-Alcoholic Fatty Liver Disease	
11:30 am - 12:00 pm	Maria Fuller Where biochemistry trumps genomics	Anthony Killeen HALMA and harmonization of methods	Jun Wu The Pathophysiology of Inflammation Induced Coagulation - Experience in Diagnosis and Treatment of Posttraumatic Coagulation Disease	Mithu Banerjee Immunopathogenesis of NAFLD	
12:00 pm - 12:30 pm	Carla Cuthbert The future of genomics in paediatrics	Belinda Pope KIMMS – the value of monitoring of pre- and post-analytical errors	Renee Ruhaak Reinventing antithrombin: understanding the hidden world of functional, dysfunctional and unfunctional (glyco-) proteoforms to improve patient care	Seema Bhargava Insulin resistance the unifying metabolic aberration of both Type 2 Diabetes & NAFLD	
12:30 pm - 2:00 pm	Lunch and Poster Session 2 (The Gallery & Parkside Ballroom 1)				Cockle Bay Room 1 AGM Meeting 1-2pm; Open to AACB Members ONLY
2:00 pm - 3:30 pm	Concurrent Industry Symposia				
	Pyrmont Theatre	Parkside Ballroom 2	Meeting C2.2 & C2.3	Meeting Room C2.5 & C2.6	
	Snibe Helen Martin (Moderator), Professor Khosrow Adeli, Professor Aw Tar Choon, Dr Ali Bayoumi Laboratory Medicine, Bridging Personalised Care and Public Health	Abbott Luca Birolini, Fong Si Wei, Arpit Onawale Future-Ready Labs: Transforming Operations with Real-Time Data and Advanced Digital Solutions	QuidelOrtho Professor Paul Collinson, Professor Martin Than, Dr Camille Chenevier-Gobeaux, Professor Louise Cullen, Professor Zhong Lu High-sensitivity troponin: From the ED to the Laboratory	Thermo Fisher Olivia Holland sFlt-1/PlGF for the assessment of fetal distress and intrapartum fetal compromise at term Dr. Thyrsa Darmadi Importance of risk-based thinking in Internal Quality Controls (IQS)	
3:30 pm - 4:00 pm	Afternoon Tea				
4:00 pm - 5:30 pm	Pyrmont Theatre	Cockle Bay Room 2	Meeting C2.2 & C2.3	Meeting Room C2.5 & C2.6	Cockle Bay Room 1
	G1 Symposium 15	G2 Symposium 16	G3 Educational Workshop 4	G4 Educational Workshop 5	G5 Educational Workshop 6
	Chair: Fernando San Gil	Chair: Tina Yen	Chair: Tze Ping Loh	Chair: Peter Graham	Chair:
	Chemical Pathology investigations in gastroenterological disorders	The Investigation of Metabolic Bone Disease	Result Interpretation	All about Porphyrins	Basics and Implementation Of Artificial Intelligence In A Laboratory For Patient Care: A Clinical Biochemist's Perspective
4:00 pm - 4:30 pm	Anudaththa Thathsarani Role of Chemical Pathology Laboratory in Investigation of Upper Gastro-Intestinal Disorder	Sam Vasikaran Use of bone turnover makers and current international guidance	Raja Elina Aziddin Challenges in the interpretation of drugs of abuse tests	Virginia Cronin Update on the Porphyrria	Shivani Jaswal Basics of Artificial Intelligence in the Clinical Laboratory
4:30 pm - 5:00 pm	Nishani Ganga Withana How to Investigate a Patient with Lower Gastro-Intestinal Symptoms	Terry Diamond Bone histomorphometry – Insights into disease pathophysiology	Tran Thi Chi Mai Paediatric reference intervals	Chris Florkowski Case studies in porphyria	Ashishkumar Agravatt Practical approach to implementing AI in the laboratory
5:00 pm - 5:30 pm	Thushara Naleen Interactive Case Discussion Based on Gastro-Intestinal Disorders	Rory Clifton Bligh Metabolic bone disease - old (PTH) and new (FGF23) markers	Kay Weng Choy Web-Based Clinical Decision Support in Laboratory Medicine	Jole Bojovic Current role of genetic testing in porphyria	Animesh Bardoloi Ethics and Regulations of AI
Day 4: Sunday, 3 November 2024					
Time	Track 1	Track 2	Track 3	Track 4	Track 5

7:00 am - 3:30 pm	Registration Opens			
8:00 am - 9:30 am	Meeting Room C2.4 Industry discussion on PBOC: Aligning Solutions with Laboratory Needs (invitation only)			
9:15 am - 10:45 am	Pyrmont Theatre		Cockle Bay Room 2	
	H1	Symposium 17	H2	Symposium 18
	Chair: Adil Khan		Chair: Robert Flatman	
	Improving wellness, emergency response, and resilience with Prehospital testing		Quality in the Post-Analytical Phase	
9:15 am - 9:45 am	Adil Khan Artificial Intelligence and POC Testing: bridging the disparity gap in healthcare		Chris Farrell Identifying errors - Technical Verification of Results	
9:45 am - 10:15 am	Gerald Kost POC Strategies for the Archipelagos and Island Nations of the Pacific		Craig Campbell Critical result management	
10:15 am - 10:45 am	Samarina MUSAAD Pre-hospital tests: Its impact on the indigenous population of the Northern Region of New Zealand		Graham Jones Result communication - Importance of report formatting	
10:45 am - 11:15 am	Morning Tea			
11:15 am - 12:45 pm	Pyrmont Theatre		Cockle Bay Room 2	
	I1	Symposium 21	I2	Symposium 22
	Chair: Praveen Sharma		Chair: Graham Jones	
	Better diagnosis and healthcare for chronic diseases		Getting to the heart of troponin assay problems	
11:15 am - 11:45 am	Pavai Sthaneswar Current practice of laboratory testing of kidney disease and eGFR reporting- Malaysian Scenario		Louise Cullen Integrating POC testing into the ED: A Clinician's perspective	
11:45 am - 12:15 pm	Mitu Banerjee Current practice of Diabetes Testing and the standardization of operation, based on their survey implemented in Sri Lanka, the Philippines & Singapore		Martin Than POC testing for Troponin	
12:15 pm - 12:45 pm	Barnali Das Autoimmune and Neuroimmune Diseases: Case Based Discussion		Leo Lam Macroprotonin	
12:45 pm - 2:00 pm	Lunch and Poster Session 3 (The Gallery & Parkside Ballroom 1)			
2:00 pm - 3:00pm	Pyrmont Theatre			
	J1	Plenary Session 4 Chair: Greg Ward Professor Maxine Whittaker Leaving no-one behind – the critical role of laboratory services to support universal health coverage in Low and Middle Income countries		
3:00 pm - 3:30 pm	J2	Closing Ceremony		