



# ASIAN CONFERENCE ON BIOMEDICAL RESEARCH AND LABORATORY MEDICINE (ACBRLM 2021)

24 - 26<sup>th</sup> August 2021

## DAY 1 (24<sup>th</sup> August 2021, Tuesday)

### ROOM 1

### ROOM 2

### ROOM 3

0830 - 0900	<b>Participant Check-in</b>		
0900 - 0935	<b>OPENING CEREMONY</b> Officiate by Tan Sri Dr Noor Hisham Abdullah (Director General of Health, Ministry of Health, Malaysia)		
0935 - 0940	<b>Introduction of Keynote Speaker</b>		
0940 - 1025	<b>KEYNOTE</b> <b>Management of COVID-19 Quarantine &amp; Low Risk Treatment Center (PKRC)</b> Dr Mohd Azman Yacob (Director, Medical Practice Division, Ministry of Health, Malaysia)		
1025 - 1030	<b>COMMERCIAL BREAK</b>		
1030 - 1035	<b>Introduction of Plenary 1 Speaker</b>		
1035 - 1120	<b>PLENARY 1</b> <b>Roles of Clinical Laboratory Scientist in COVID-19 Pandemic</b> Prof Dr Chua Kek Heng (University Malaya, Malaysia)		
1120 - 1125	<b>COMMERCIAL BREAK</b>		
1125 - 1155	<b>INDUSTRIAL TALK 1</b> <b>Siemens Healthcare Sdn Bhd</b> <b>Artificial Intelligence in Urinalysis</b> (Mr. Mohd Fikhri Ahmad Tajuddin)		

### ROOM 1

### ROOM 2

### ROOM 3

1200 - 1230	<b>NON-COMMUNICABLE DISEASES</b> <i>Invited Speaker 1</i> (Stem cell and Regeneration) Prof. Dr. Chua Chee Wai, (Shanghai Jiao Tong University, China)  <b>(Identification and Functional Characterization of Androgen Receptor-Independent Prostate Epithelial Stem Cells or Progenitors)</b>	1200 - 1230	<b>COMMUNICABLE DISEASES</b> <i>Invited Speaker 2</i> (Virology) Dr. July Kumalawati, (Universitas Indonesia, Indonesia)  <b>(Testing Strategies in COVID-19 Pandemic)</b>	
1230 - 1330	<b>LUNCH TALK</b> Straits Scientific (M) Sdn Bhd <b>GEM PREMIER FAMILY In Malaysia</b> (Speaker: Mdm Ashriya Azmil) <b>Advancement in Quality Management</b> (Speaker: Dr. James O Westgard)			
1330 - 1400	<b>LUNCH BREAK</b>			

1400 - 1430	<b>NON-COMMUNICABLE DISEASES</b>  <i>Invited Speaker 3</i> <i>(Genetic and Molecular Disorders)</i> Prof. Dr. Sakorn Pornprasert, (Chiang Mai University, Thailand)  <b>(Molecular Diagnostic in Thalassemia)</b>	1400 - 1430	<b>COMMUNICABLE DISEASES</b>  <i>Invited Speaker 4</i> <i>(Mycology)</i> Assoc. Prof. Dr. Leslie Than, (Universiti Putra Malaysia, Malaysia)  <b>(Molecular Diagnostics in Medical Mycology; Better Late Than Never)</b>		
1430 - 1500	<b>METABOLIC DISORDER</b>  <i>Invited Speaker 5</i> <i>(Metabolic Disease)</i> Mdm. Chen Bee Chin, (Malaysian Association of Clinical Biochemists, Malaysia)  <b>(Case Study Hyperammonemia Due to Urea Cycle Defects)</b>	1430 - 1500	<b>COMMUNICABLE DISEASES</b>  <i>Invited Speaker 6</i> <i>(Merdeka Award Recipient 2017)</i> <i>(Parasitology)</i> Prof. Dr. Balbir Singh, (Universiti Malaysia Sarawak, Malaysia)  <b>(Zoonotic Malaria in Southeast Asia)</b>		
1500 - 1505	<b>COMMERCIAL BREAK</b>				
1505 - 1520	O01 - Metabolic shifts leading to key mutations regulating bacterial motility	1505 - 1520	O05 - Network Pharmacology-Based Prediction on the Combination of Moringa oleifera and Gemcitabine against Pancreatic Cancer	1505 - 1510	P01 - A Hospital-based Study on the proportion of Campylobacter as a cause of diarrhoea among patients in Hospital Pakar Sultanah Fatimah Muar Johor, Malaysia
				1510 - 1515	P02 - Zika Virus–host Interactome: A High-throughput Yeast Two-hybrid Screen
				1515 - 1520	P04 - Investigating the Relationship Between Differentially Expressed miRNAs with PD-1, PD-L1 On the Clinical Variables of Head and Neck Epithelial Carcinoma
1520 - 1535	O02 - Microarray Gene Expression Analysis of Epithelial Differentiation of Dental Stem Cells	1520 - 1535	O06 - Functionalized Gallic Acid-Loaded Graphene Oxide (Gago) Accelerates Wound Healing in in vivo model	1520 - 1525	P06 - A Retrospective Demographic Study of Head and Neck Cancer Patients at Hospital Serdang
				1525 - 1530	P08 - Reproductive Toxicity in Female Rats Exposed to Technical Xylene During Preimplantation Period of Gestation
				1530 - 1535	P09 - Managing Reagent Lot-to-Lot Variation for Full Blood Count at Core Laboratory, Hospital Kuala Lumpur
1535 - 1550	O03 - A Meta-Analysis on the Worldwide Prevalence of Intermediate Leptospira spp. in Human Samples	1535 - 1550	O07 - The role of Metallic-Based drugs on fighting the Staphylococcus aureus Biofilm	1535 - 1540	P11 - Cardiac Troponin Request in Emergency Department at Tertiary Teaching Hospital: Cost-Effectiveness and Cost-Benefit Analysis
				1540 - 1545	P13 - Hypertriglyceridemia-induced Acute Pancreatitis in Pregnancy: A Case Report
				1545 - 1550	P15 - Mutation Detection of a Case with Heritable Disorder of Connective Tissue Using Next-Generation Sequencing and Sanger Sequencing
1550 - 1605	O04 - Selection of T-cell receptor (TCR) like antibody for cervical cancer diagnostics and therapeutics	1550 - 1605	O08 - Identification of Uniparental Disomy on Chromosome 15 in Prader-Willi Syndrome by Microsatellite Linkage Analysis		
				1600 - 1605	P17 - Importance of reliable local geometric Mean Normal Prothrombin Time (MNPT) in procedures for validation of International Normalised Ratio (INR)

1605 - 1620	O09 - Pre-analytical Specimen Rejections in an Outpatient Laboratory in Kuala Lumpur Hospital	1605 - 1620	O13 - Demographic data on red cell alloimmunization among a multi transfused hepatobiliary patient at Hospital Selayang	1605 - 1610	P19 - Effect of Silencing CTNNA1 on Cells Apoptosis in HAC15 Human Adrenocortical Cells
				1610 - 1615	P20 - In Silico Identification of Anti-SARS-CoV-2 Therapeutic Peptides from Scorpion Venom
				1615 - 1620	P21 - Red Blood Cell Genotypes for Rare Blood Group Donors, National Blood Centre Kuala Lumpur
1620 - 1635	O10 - Bisphenol F Reduced the Sperm Quality via Testosterone Hormone Alterations in Male Sprague Dawley Rats	1620 - 1635	O14 - The Blowfly <i>Chrysomya megacephala</i> (Fabricius) (Diptera: Calliphoridae) as an Indicator for a Decapitated Case in Malaysia	1620 - 1625	P23 - An investigation on the effect of different creatinine calibrator's values on Quality Control (QC) performance and patient result
				1625 - 1630	P26 - Assessing the Analytical Performance Using Sigma Metrics - A Journey in Achieving Quality Analysis for Clinical Research Center Sarawak General Hospital (CRC SGH) Laboratory
				1630 - 1635	P27 - Improvement in Laboratory Turnaround Time Performance of Urgent Full Blood Count Request at Core Laboratory, Hospital Kuala Lumpur
1635 - 1650	O11 - Transcriptomic profiling of Triple negative Breast Cancer unveils Annexin A1 mediated Immunomodulation	1635 - 1650	O15 - Evaluating the Effect of Lemongrass and Gemcitabine Combination Treatment on Pancreatic Cancer through Network Pharmacology	1635 - 1640	P29 - In silico Evaluation of Luteolin Specific DNA Aptamer
				1640 - 1645	P30 - Updates on germline RB1 gene mutations in unrelated Malaysian retinoblastoma patients
1650 - 1705	O12 - Effects of Different Incubation Times Toward RNA Recovery in Plasma RNA Extraction	1650 - 1705	O16 - Association Between Family History and Cigarette Smoking with Increased Risk for Nasopharyngeal Carcinoma in Pahang State of Malaysia		

END DAY 1

**DAY 2**

(25<sup>th</sup> August 2021, Wednesday)

**ROOM 1**

**ROOM 2**

**ROOM 3**

0900 - 0945	<p><b>PLENARY 2</b></p> <p><b>Educating 21<sup>st</sup> Century Medical Laboratory Scientists: Why, What and How Do We Have to Do Differently?</b></p> <p>Prof. Datuk Dr. Harlina Halizah binti Siraj (Universiti Kebangsaan Malaysia, Malaysia)</p>		
0945 - 1015	<p><b>INDUSTRIAL TALK 2</b></p> <p><b>Agilent Technologies Sales (M) Sdn Bhd</b></p> <p><b>Enabling You in The Cancer Revolution - Solutions for Cancer Research and Diagnostics</b> (Dr. Mark Garner)</p>		
1015 - 1020	<b>COMMERCIAL BREAK</b>		
1020 - 1050	<p><i>Invited Speaker 7</i></p> <p>En. Saravanakumar a/l Maniam (Principal Assistant Director, Allied Health Sciences Division, Ministry of Health Malaysia)</p> <p><b>(Allied Health Professions Act 2016: Issues in the Implementation)</b></p>		
1050 - 1055	<b>COMMERCIAL BREAK</b>		

**ROOM 1**

**ROOM 2**

**ROOM 3**

1055 - 1125	<p><b>NON-COMMUNICABLE DISEASES</b></p> <p><i>Invited speaker 8</i> (Metabolic Diseases)</p> <p>Prof. Dr. Sunil Sethi, (National University of Singapore (NUS), Singapore)</p> <p><b>(The Burden of Chronic Metabolic Disorders and Real Time Monitoring of Diabetes Mellitus)</b></p>	1055 - 1125	<p><b>NEW TECHNOLOGIES</b></p> <p><i>Invited Speaker 9</i> (Toxicogenomic)</p> <p>Prof. Dr. Michael Fenech, (University of Adelaide, Australia) (Distinguished Professor, Faculty of Health Sciences, Universiti Kebangsaan Malaysia)</p> <p><b>(Precision Health in Toxicology)</b></p>		
1125 - 1155	<p><i>Invited Speaker 10</i> (Metabolic Diseases)</p> <p>Datuk Prof. Dr. Looi Lai-Meng, (University Malaya, Malaysia)</p> <p><i>(National Distinguished Professor)</i></p> <p><b>(Biomedical Research and Innovation in a Doughnut World)</b></p>	1125 - 1155	<p><i>Invited Speaker 11</i> (Bacteriology)</p> <p>Prof. Dr. Zamberi Sekawi, (Universiti Putra Malaysia, Malaysia)</p> <p><b>(Updates in Laboratory Diagnosis of Leptospirosis)</b></p>		
1200 - 1215	O17 - Establishing A Rat Model for Diabetic Cardiomyopathy Development and Progression	1200 - 1205	P31 - Correlation between Procalcitonin and Uric Acid among Controlled and Uncontrolled Type 2 Diabetes mellitus Patients in Hospital USM-A Preliminary Study		1200 - 1205
		1205 - 1210	P32 - Effects of Roselle (Hibiscus Sabdariffa Linn.) Polyphenol-Rich Calyx Extract on The Functional and Structural Abnormalities In Diabetic Cardiomyopathy Rat Model	1205 - 1210	P41 - Zingiber officinale (ginger) improves oxidative status and muscle performance in aging animal model

		1210 - 1215	P33 - Polyphenol-Rich Extract of Hibiscus Sabdariffa Linn. Calyx (HPE) Limits Hyperglycemia-Induced Oxidative Stress and Apoptosis Progression in Diabetic Heart	1210 - 1215	P43 - Study on the Anti-hyperglycemic Properties of Miang Extract
1215 - 1230	O18 - Supplementation of antioxidant vitamin C protects vascular endothelium in REM sleep deprivation animal model	1215 - 1220	P35 - Bisphenol F Increased Presence of Target Cells in Male Sprague Dawley Rats	1215 - 1220	P45 - Minocycline improved learning and working memory impairment in lipopolysaccharide (LPS)-induced Alzheimer's disease rat model
		1220 - 1225	P36 - Early-Stage Development of Diabetic Cardiomyopathy Model in Type-1 Diabetic Rats.	1220 - 1225	P46 - Morphology Analysis of Colony Forming Unit-Derived Mouse Erythroid, Myeloid and Lymphoid Progenitors Using Digital Image Processing Method
		1225 - 1230	P37 - Redundancy of Thyroid Function Test Request - A 2020 Review in Hospital Universiti Sains Malaysia	1225 - 1230	P47 - Whole Exome Sequencing Analysis on Childhood B-cell Precursor Acute Lymphoblastic Leukaemia: A Preliminary Descriptive Study
1230 - 1245	O19 - The prevalence of Vulvovaginal Candidiasis Among Libyan Women Attending Antenatal Clinic at Tripoli Maternity Hospital, Tripoli- Libya	1230 - 1235	P38 - Increased Protein Expressions on Human Brain Endothelial Cells Induced by Ammonium Chloride	1230 - 1235	P52 - Neonatal Nav1.5 expression in syngeneic mouse model of an orthotopic-induced mammary tumour
		1235 - 1240	P39 - Cytoplasmic pYAP protein expression increased in pre-malignant stage lung squamous cell carcinoma (LSCC) in vivo	1235 - 1240	P53 - In Silico Protein Binding Analysis Between HLA-A*24:02 and HLA-A*11:01 with LMP1: Relevance for Nasopharyngeal Carcinoma
1245 - 1400	<b>LUNCH BREAK</b>				
1400 - 1430	<b>INDUSTRIAL TALK 3 Abbott Laboratories (M) Sdn Bhd SARS-CoV-2 Antibody Testing: Why, Who, When (Dr Claudio Galli)</b>				
1430 - 1500	<b>NON-COMMUNICABLE DISEASES</b> <i>Invited Speaker 12</i> (Cancer) Prof. Dr. Cheong Sok Ching, (Cancer Research Malaysia, Malaysia) <b>(Targeting Signalling Pathways in Oral Squamous Cell Carcinoma)</b>	1430 - 1500	<b>NEW TECHNOLOGIES</b> <i>Invited Speaker 13</i> (Forensics) Prof. Dr. Baharudin Omar, Professor Emeritus, (Universiti Kebangsaan Malaysia) <b>(Insects as Evidence in Forensic Science Investigation to Determine Post-Mortem Interval))</b>		
1500 - 1530	<i>Invited Speaker 14</i> (Cancer) Dr. Bhunesh Agrawal (Sysmex Inostics GmbH) (Sponsored by Pantai Premier Pathology) <b>(Liquid Biopsy and Its Application in Medicine: Sharing an Experience)</b>	1500 - 1530	<i>Invited Speaker 15</i> (Toxicology) Dr. Raja Elina binti Raja Aziddin (Malaysian Association of Clinical Biochemists, Malaysia) <b>(Challenges in Drugs of Abuse Testing)</b>		
1530 - 1600	<b>INDUSTRIAL TALK 4 PerkinElmer Sdn Bhd Pre-eclampsia Prediction and Prevention (Assoc. Prof. Dr. Chanane Wanapirak)</b>				
1610 - 1615	Introduction to Organizing Committee				
1615 - 1645	<b>CLOSING CEREMONY</b>				

**END DAY 2**

**DAY 3**  
**(26<sup>th</sup> August 2021, Thursday)**

0830 - 930	<b>Workshop 1</b> <i>(Microbiology)</i> The Era of a Clinical Laboratories with Fully Automated MALDI System <i>Speaker: Dr. Patrick Murray</i> <i>Becton Dickinson Sdn Bhd, United States of America</i>
0930 - 1030	<b>Workshop 2</b> <i>(Blood Bank)</i> Powerful Tool for Resolving Antibody Problems in Transfusion Lab Practice <i>Speaker: Dr. Rozi Hanisa Binti Musa</i> <i>Pusat Darah Negara, Malaysia</i>
1030 - 1130	<b>Workshop 3</b> <i>(Chemical Pathology)</i> Clinically Applicable LJ Control Chart Achieved High Quality Medical Testing Laboratory <i>Speaker: Ms Vanessa Man Har Lo</i> <i>The University of Hong Kong School of Professional and Continuing Education, Hong Kong</i>
1130 - 1230	<b>Workshop 4</b> PerkinElmer Sdn Bhd <i>(Metabolic Disease)</i> New-born Screening Workflow Changes, Improved Outcomes for Tennessee Infants <i>Speaker: Dr Christine Dorley</i> <i>Assistant Director of the New-born Screening Laboratory for the Tennessee Department of Health, Division of Laboratory Services</i>  Metabolomics and Interpretation of IEMS <i>Speaker: Dr Veronica Wiley</i> <i>Clinical Associate Professor, Genetic Medicine, Children's Hospital, Westmead</i>
1230 - 1400	<b>Lunch Break</b>
1400 - 1500	<b>Workshop 5</b> <i>(Mycology)</i> Identification of Yeast: Current Practice and Challenges <i>Speaker: Assoc. Prof. Dr Tzar Mohd Nizam bin Khaithir</i> <i>Universiti Kebangsaan Malaysia</i>
1500 - 1600	<b>Workshop 6</b> <i>(Statistics)</i> Sample Size Calculation in Quantitative Study <i>Speaker: Assoc. Prof. Dr. Wan Amir Nizam Wan Ahmad</i> <i>Universiti Sains Malaysia</i>
1600 - 1700	<b>Workshop 7</b> <i>(Forensic)</i> New Methods in Forensic Anatomical Research <i>Speaker: Dr Helmi Mohd Hadi Pritam</i> <i>Universiti Sains Malaysia</i>

**END WORKSHOP & ACBRLM VIRTUAL CONFERENCE**