

14th A-PBA PRE-CONFERENCE PROGRAM
Day 1: Tuesday, 17 Sept 2019

Venue/Time/ Workshop	Program	Trainers
Room 1 9.00-5.00pm WS 1	<p>WS 1: PREPARATORY COURSE FOR IFBA BIORISK MANAGEMENT PROFESSIONAL CERTIFICATION Brief introduction by Maureen Ellis, IFBA</p> <ul style="list-style-type: none"> • The essential elements of CWA 15793 • Internal certification exam: Syllabus outline & preparation • The essential elements of CWA 15793 • Core competencies of a biosafety professional 	<p>Prof Lim Yang Mooi University Tunku Abdul Rahman, Malaysia</p> <p>Dr Tan Cheng Siang University Malaysia Sarawak, Malaysia</p>
Room 2 9.00-12.00pm WS2	<p>WS 2: WORKING IN BIO-CONTAINMENT LAB – CHALLENGES & SOLUTIONS FOR A SAFE & SUSTAINABLE LABORATORY</p> <ul style="list-style-type: none"> • Containment labs • Working with high risk pathogens: SOPs and PPE • Biocontainment designs and engineering • Operational sustainable solutions for developing country budgets 	<p>Mr Dan Yoong, World BioHazTec Inc., Singapore</p>
Room 2 2.00 – 5.00pm WS3	<p>WS 3; BIOSAFETY CABINET – WHAT YOU NEED TO KNOW TO KEEP YOU AND YOUR LAB SAFE</p> <ul style="list-style-type: none"> • Types of Biological Safety Cabinet and its purposes • Performance and function of BSC • Safety and proper use of BSC • Maintenance and operation • Process & critical elements • Certification and validation 	<p>Mr Kenny Chee, Global Technical Support Manager ESCO GLOBAL Singapore</p>
Room 3 9.00-12.00pm WS 4	<p>WS 3: INSTITUTIONAL BIOSAFETY COMMITTEE: ROLES & LEADERSHIP TOOLS</p> <ul style="list-style-type: none"> • Biosafety and biosecurity issues in Biological Sciences • Institutional Biosafety Committee • Roles and responsibilities of IBC, members, chair and the Biosafety Officer • What does it take to be a Biosafety Officer? • Leadership Tools for Today's Biosafety Officer 	<p>Dr Saraswathy Subramaniam Biosafety Consultant, Malaysia and President, Asia Pacific Biosafety Association</p>
Room 3 2.00 – 5.00pm WS 5	<p>WS 5: BIOSECURITY – ASSESSING BIOTHREATS</p> <ul style="list-style-type: none"> • Biosecurity and bioterrorism • Biopreparedness tasks • Case studies in biotreats • Personnel reliability • Securing agents 	<p>Dr. Sonia Y Hunt, Scientist, WMD, Directorate, Federal Bureau of Investigation (FBI), Washington, USA</p>

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14th A-PBA PRE-CONFERENCE PROGRAM (DRAFT 1)

Day 2: Tuesday, 18 Sept 2019

Venue/Time/ Workshop	Program	Trainers
Room 1 9.00 – 5.00pm WS 6	<p>WS 6: DISEASE OUTBREAK INVESTIGATION: NATURAL AND DELIBERATE</p> <ul style="list-style-type: none"> • Disease Surveillance, control & prevention • Epidemiological investigation of disease outbreaks • Natural and deliberate bio threat • Public health Preparedness, control and communication • Risk Management at all levels: Biosafety and Biosecurity • Case scenario: Nipah outbreak 	<p>Dr Julie E. Fischer, Director, Elizabeth R. Griffin Program, Center for Global Health Science and Security, Georgetown University Medical Center Department of Microbiology and Immunology, & Dr Asadulghani, Head Biosafety and BSL3, International Centre for Diarrhoeal Disease Research, Bangladesh</p>
Room 2 9.00- 12.00pm WS 7	<p>WS 7: BIOSAFETY INSPECTIONS AND AUDIT</p> <ul style="list-style-type: none"> • What is an audit • Characteristics of audit • Safety Audit Team and Why to conduct an audit • Audit process • Scenarios 	<p>Mr David Lam, Senior Manager Biosafety, Singapore General Hospital, Singapore</p>
Room 2 2.00 – 5.00pm WS 8	<p>WS 8: RISK COMMUNICATION IN PUBLIC HEALTH EMERGENCIES</p> <ul style="list-style-type: none"> • Understand what is risk communication and why should we care • Understand theories and ways for effective communication • Communicating under high concern situations • Practice risk communication skills: develop messages that are believable, convincing, clear and positive 	<p>Dr William Arndt International Program Lead, CSELS/DLS/QSSB, CDC Atlanta Dr Natasha K Griffith, Branch Chief Quality and Safety Systems Branch, DLS, OD, CSELS, CDC, Atlanta, GA</p>
Room 3 9.00- 12.00pm WS 9	<p>WS 9: ANIMAL AND ARTHROPOD BIOSAFETY AND CONTAINMENT</p> <ul style="list-style-type: none"> • Good lab design to optimize lab procedures and Standard Operating Procedures (SOPs). • BL vs. ABL vs. ACL (Biosafety Level vs. Animal Biosafety Level vs. Arthropod Containment Level) • Animal facility planning and design considerations: ABL-2 and ABL-3 • Insect facility planning and design considerations: ACL-2 and ACL-3 	<p>Mr Steve Breslin, Senior Architect and Chief of the Standards and Policy Branch, Office of research Facilities, National Institute of Health</p>
Room 3 2.00 – 5.00pm WS 10	<p>WS 10: BIOLOGICAL WASTE MANAGEMENT</p> <ul style="list-style-type: none"> • Type of biological waste • Segregation, Packaging, Transportation, Treatment and Disposal of Biological Waste • Reuse, reduce and recycling of waste • Biological waste management guidelines 	<p>Mr Philippe Stroot, General Manager and Principal Expert at XIBIOS Biosafety Consulting, Tournai, Wallonia, Belgium</p>

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CONFERENCE PROGRAM* 19 to 20 September 2019

DAY 1: CONFERENCE PROGRAMME 19th Sep 2019

08.00 – 09.30	Registration	
naugural Session Facilitated by Dr Tania Mannan, Assistant Professor, Bangladesh University of Health Sciences & Faculty Member and the Member of the General Body, Chhayanaut		
09:30 – 09:40	Recitation from the Holy Books	BBBS
09:40 – 10:00	Cultural program introduction of Six Seasons in Bangladesh,	Sharmila Banerjee, Nriyanandan and Ms Tania Mannan, Chhayanaut
10:01 – 10:20	Welcome address Dr Saraswathy Subramaniam, President, Asia Pacific Biosafety Association Dr Asadulghani, President, Bangladesh Biosafety and Biosecurity Society	A-PBA BBBS
10:21 – 10:30	Address by the Chief Guest and Special Guest of Honor, Government of the People's Republic of Bangladesh	BBBS
10:31 – 11:00	Coffee/Tea Break	
Technical Session 1 : Global Updates on Biosafety and Biosecurity		
Panel members: Professor Dr Nasima Sultana , Additional Director General, Ministry of Health and Family Welfare, Bangladesh Dr Saraswathy Subramaniam , Biosafety Consultant, Malaysia and President, Asia Pacific Biosafety Association Professor Dr Mohammad Hafizur Rahman , Professor, Department of Biochemistry, Dhaka Medical College, Bangladesh		
11:01 – 11:20	WHO Laboratory Biosafety Manual revision and other activities	Dr Kazunobu Kojima , Scientist, Country Health Emergency, Preparedness & IHR (CPI), World Health Organization
11:21 – 11:40	Biosafety in Microbiological and Biomedical Laboratories	Dr Natasha K Griffith , Branch Chief Quality and Safety Systems Branch, DLS, OD, CSELS, CDC, Atlanta, GA
11:41 – 12:00	Food and Agricultural Organization Guidelines	Dr Eric Brum , Team Leader, FAO, Bangladesh
12:01 – 12:20	Connecting Biosafety communities: International Federation of Biosafety Associations	Maureen Ellis , Executive Director, International Federation of Biosafety Associations
12:21 – 12:40	Personal Climate Change – How it Influences at the National, Regional and Global Levels	Dr James Welch , Elizabeth R Griffin Foundation, Center for Global Health Science and Security
12:41 - 14:00	Lunch Break	
Technical Session 2 : Current Status of Biosafety and Biosecurity in Asia Pacific		
Panel members: Professor Dr Imdadul Hoque , Dean Biological Sciences, University of Dhaka, Bangladesh		

<p>Professor Dr Lim Yang Mooi, Chairperson, Centre for Cancer Research, Department of Pre-Clinical Science, Faculty of Medicine & Health Sciences, Universiti Tunku Abdul Rahman, Malaysia</p> <p>Professor Dr Rakibul Islam, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh</p>		
14:01 – 14:20	Strengthening Biosafety and Biosecurity Status in Bangladesh - A Sustainable Approach	Dr Pawan Angra , Div of Global Hlth Protection, Center for Global Hlth, CDC, Atlanta, GA
14:21 – 14:40	Biosecurity in Vietnam	Dr Trinh Thi Thanh Huong , Head, Division of Biosafety, National Institute of Hygiene and Epidemiology
14:41 – 15:00	Biosafety and Biosecurity in Polio Eradication in Bangladesh	Dr Mahbuba Jamil , Country Coordinator and Member Secretary National Task Force on Laboratory Containment of Poliovirus, Ministry of Health and Family Welfare, Bangladesh
15:01– 15:20	Health Security Partners (HSP) Programs and Regional collaborations on biosecurity	Dr Prasad Kuduvali , Director of Scientific Programs at Health Security Partners, Washington, District Of Columbia
15:21 – 15:30	Q/A	
15:31 – 16:00	Coffee/Tea Break	
<p>Technical Session 3 : Emerging Science and Technology – New Challenges</p> <p>Panel members:</p> <p>Professor Dr Srisin Khusmith, Professor Faculty of Tropical Medicine, Mahidol University. Department of Microbiology and Immunology, Thailand</p> <p>Professor Dr Sharif Akhtaruzzaman, Department of Genetic Engineering and Biotechnology, University of Dhaka, Bangladesh</p> <p>Dr Md Salimullah, Director General, National Institute of Biotechnology, Dhaka, Bangladesh</p>		
16:01 – 16:20	Progress in transgenic and other innovative vector control strategies for dengue and malaria in India: Preparedness for Best-Practice Guidance including regulatory, biosafety and deployment aspects.	Professor Dr BK Tyagi , Core Faculty, SERB-DST's School of Insect Biology c/o Hyderabad Univ., Hyderabad
16:20 – 16:40	CRISPR-mediated Genome Editing Technology in Agriculture: Issues with Biosafety and Biosecurity	Dr Abidur Rahman , Dept of Plant Bio Sciences, Fac of Agriculture, Iwate University, Japan
16:41– 17:00	Laboratory Biosafety in China: Yesterday, Today and Tomorrow	Professor Dr Guizhen Wu , China CDC
17:01 – 17:20	Evolving Technology shaping New Challenges in Counter - Bioterrorism	Dr Chua Teck Mean
17:21 – 17:30	Q/A	
17:31 – 19:00	A-PBA AGM	A-PBA
19:01 – 20:00	Cultural Program	Dr Tania Mannan, Asst Prof, University of Health Sciences, Bangladesh
20:01 – 21:00	Networking Dinner	Registered Participants
<p>DAY 2: CONFERENCE PROGRAMME 20th Sep 2019</p> <p>Technical Session 4 : Facility and Biocontainment</p>		

Panel members: Dr Chua Teck Mean , Biosafety Consultant, Temasek Life Sciences Laboratory, Singapore, Professor Dr Ahmed Abu Saleh , Chairman, Dept of Microbiology and Immunology, Bangabandhu Sheikh Mujib Medical University, Bangladesh Professor Dr Nurun Nabi , Dept of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh		
09:01 – 09:20	What if it doesn't work? – What We Can Learn from Our Mistakes?	Dr Natasha K Griffith , Branch Chief Quality and Safety Systems Branch, DLS, OD, CSELS, CDC, Atlanta, GA
09:21–09:40	Animal and Insect Facilities: Planning and Programming Considerations	Mr Steven Breslin , Sr Architect and Chief of the Stds & Policy Branch, NIH, USA
09:41 –10:00	Achieving energy efficiency in laboratories	Mr Syam Kumar Prabhakaran , Senior Associate Director, NUS, Singapore
10:01 – 10:20	Title to be determined	Mr Dan Yoong , World BioHazTec Inc. Singapore
10:21 – 10:30	Q/A	
10:31- 11:00 Coffee/Tea Break		
Technical Session 5: Public Health – Emerging and Re-emerging Threats		
Panel members: Professor Dr Sanya Tahmina , Communicable Disease Control, Ministry of Health and Family Welfare, Bangladesh Dr Joko Pamungkas , Director, Primate Research Center, Institut Pertanian Bogor Dr Chandan Kumar Roy , Associate Professor, Department of Microbiology and Immunology, Bangabandhu Sheikh Mujib Medical University		
11:01 – 11:20	Public Health Challenges in Bangladesh and Biosafety and Biosecurity Concerns	Professor Dr Be-Nazir Ahmed , National Consultant, Coordination & Support Center, Directorate General of Health Services
11:21 – 11:40	Emerging and Reemerging Zoonotic Diseases in Bangladesh	Dr Md Giasuddin , Head, Animal Hlth Research Div Bangladesh Livestock Research Institute, Savar
11:41 – 12:00	Challenges of TB in India and the relevance of BSL3 laboratories in Medical Research Institutes	Dr Vikram Saini , All India Institute of Medical Sciences, New Delhi, India
12:01 – 12:20	TBD	Dr. Sau Sokunna , Deputy Director, Bureau of Medical Laboratory Services, Ministry of Health, Cambodian
12:21 – 12:30	Q/A	
12:31 – 14:00	Lunch Break	
Technical Session 6 : Food and Agricultural Safety and Security		
Panel members: Professor Jang Won-Jong , President or Chair, Korean Biosafety Association Professor Dr Rakha Hari Sarker , Chairman, Department of Botany, University of Dhaka, Bangladesh Professor Dr Md Shahidul Islam , Head of the Dept of Biotechnology Agricultural University, Mymensingh, Bangladesh		
14:01 – 14:20	Food Biosafety and Biosecurity Issues in Bangladesh: Strategy for Sustainable Development	Dr Latiful Bari, MSc, PhD , Head Food Safety Laboratory, Center for Advanced Research In Sciences,

		University of Dhaka, Bangladesh
14:21 – 14:40	Primate containment: Challenges in management	Dr Joko Pamungkas , Director, Primate Research Center - IPB
14:41 – 15:00	Towards Golden Rice to Brand Rice Nutraceutically Enriched: Some Biosafety Issues	Dr Jiban Krishna Biswas , National Consultant, Healthier Rice Programme, IRRI Bangladesh
15:01 – 15:20	Risk Mapping in South East Asia	Professor Dr Viji Vijayan , Assistant Dean, Safety, Health, Emergency, NUS, Singapore
15:21 – 15:30	Q/A	
15:31 – 16:00	Coffee/Tea Break	
Technical Session 7: Evolving Threats in Biosecurity & Bioterrorism		
Panel members:		
Brigadier General Professor (Dr) Arif Ahmed Khan , Head of the Department of Microbiology and Molecular Biology, Armed Forces Institute of Pathology, Dhaka Cantonment		
Dr Sau Sokunna , Deputy Director, Department of Hospital Services, Ministry of Health, Cambodia		
Lieutenant Colonel Dr Jamal Pasha Chowdhury , Classified Specialist in Pathology, Combined Military Hospital, Rangpur, Bangladesh		
16:01 – 16:20	Biosecurity – Assessing Biothreats	Dr. Sonia Y Hunt , Scientist, WMD, Directorate, Federal Bureau of Investigation (FBI), Washington, USA
16:21 – 16:40	Biosafety Inspections: Doing it right	Mr David Lam , Senior Manager Biosafety, Singapore General Hospital, Singapore
16:40 – 17:00	Laboratory Strengthening to support Biosecurity/Biosafety in South-East Asia	Dr Nicolas Steenkeste , Quality Initiatives and Biosecurity Manager, Foundation Mérieux, Lyon, France
17:01 – 17:20	Risk Based Assessment of Biological Waste Management Capabilities in 6 South East Asian Countries	Mr Philippe Stroot , General Manager and Principal Expert at XIBIOS Biosafety Consulting, Tournai, Wallonia, Belgium
17:21 – 17:30	Q/A	
17:31 – 18:00	Closing Remarks President A-PBA	

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