

Scientific Program

Sunday, August 7, 2016	
Time	
8 am-12:00 pm	Registration open
4:00-7:00 pm	Registration open
5:00-7:00 pm	Welcome reception
Monday, August 8, 2016	
7:00-8:00 am	Registration open
8:00-8:45 am	<p><u>Opening Ceremony Session</u> Master of Ceremony: E.F. Telan and A. Tuanyok</p> <ul style="list-style-type: none"> • Welcome A. Tuanyok & H. Schweizer • Inspirational Speech Paulyn J. B. Rosell-Ubial, Philippine Department of Health Secretary
8:45-9:05 am	<p>Keynote S. Elizabeth George, <i>Defense Threat Reduction Agency, USA</i>; Leveraging the Power of Networks to Advance One Health Disease Surveillance</p>
9:05-10:05 am	<p>Keynote David Dance, <i>Lao-Oxford-Mahosot Hospital Wellcome Trust Research Unit (LOMWRU), Laos</i>; Innocent Bystanders – Melioidosis, A Model Sapronosis</p>
10:05-10:30 am	Break
10:00-11:30 am	<p><u>Clinical Aspects Session</u> <i>Chairs: W. Chierakul, S. Peacock</i></p>
10:00-10:20 am	<p>Invited speakers: B. Currie, <i>Menzies School of Health Research, Australia</i>; Clinical Diversity in Melioidosis: Pathogen, Host, Route of Infection,</p>
10:20-10:40 am	<p>C. Mukhopadhyay, <i>Manipal University, India</i>; Melioidosis in India: The Story of 170 patients in 10 Years From Southwestern Coast</p>
10:40-10:55 am	<p>Selected paper presentations: T. Sia, <i>Bintulu Hospital, Sarawak, Malaysia</i>; Clinical features of Gentamicin susceptible cases of <i>Burkholderia pseudomallei</i> infection in a district hospital in Malaysian Borneo</p>
10:55-11:10 am	<p>A. Chusri, <i>Prince of Songkla University, Thailand</i>; Melioidosis in Southern Thailand: Clinical Outcomes and Emergence of Ceftazidime Resistance</p>
11:10-11:25 am	<p>A. Henderson, <i>Mater Health Services and University of Queensland, Australia</i>; <i>Burkholderia pseudomallei</i> primary lymphadenitis: a Diagnostic Challenge</p>
12:00-1:00 pm	Lunch
1:00-2:00 pm	<p><u>Veterinary Aspects Session</u> <i>Chairs: A. Tuanyok, R. Bowen</i></p>
1:00-1:20 pm	<p>Invited speakers: R. Bowen, <i>Colorado State University, USA</i>; Pathogenesis of Melioidosis in Experimentally Infected Goats</p>
1:20-1:40 pm	<p>B. Currie, <i>Menzies School of Health Research, Australia</i>; Melioidosis in Animals: Lessons for Human Disease</p>
1:40-1:55 pm	<p>Selected paper presentation: D. Sanford, <i>Battelle, USA</i>; Developing Large Animal Inhalational Models for <i>Burkholderia pseudomallei</i> and <i>Burkholderia mallei</i> to support the testing of Medical Countermeasures</p>

2:00-4:50 pm	<u>Epidemiology Session</u> <i>Chairs: D. Dance, I. Steinmetz</i>
2:00-2:20 pm	Invited speakers: D. Limmathurotsakul, Mahidol University, Thailand; Global burden of melioidosis was predicted, what we should do next?
2:20-2:40 pm	A. Tuanyok, University of Florida, USA; A Multidisciplinary Team Approach to Uncover Epidemiology of Melioidosis in the Philippines
2:40-2:55 pm	Selected paper presentations: X. Zheng, National Institute for Communicable Disease Control and Prevention, China; Clustered Cases of Melioidosis after Typhoon Rammasun, Hainan Island, China
3:00-3:30 pm	Break
3:30-3:50 pm	Invited speakers: J. Gee & D. Blaney, Center for Disease Control and Prevention (CDC), USA; <i>Burkholderia pseudomallei</i> at the Tulane National Primate Research Center: Release from Containment of a Tier 1 Select Agent
3:50-4:05 pm	Selected paper presentations: K. Schully, Naval Medical Research Center, USA; Serological Evidence of Exposure to <i>Burkholderia pseudomallei</i> in US Marines Who Train in Darwin Australia: A Retrospective Analysis.
4:05-4:20 pm	T. Phe, Sihanouk Hospital Center of HOPE, Cambodia; Epidemiology and Clinical Presentation of Melioidosis from a Series of 190 patients in a Referral Hospital in Phnom Penh, Cambodia
4:20-4:35 pm	T. Trung, Vietnam National University, Vietnam; Melioidosis in north central part of Vietnam: a series of cases detected after raising awareness and introducing a simple laboratory algorithm
4:35-4:50 pm	P. Suntornsut, Mahidol University, Thailand; Barriers and Opportunities to Prevent Melioidosis in Northeast Thailand: A Focus Group Study Using the Behavior Change Wheel
4:50-6:15 pm	Poster presentation 1
Tuesday, August 9, 2016	
7:30-8:30 am	Registration open
8:30-10:00 am	<u>Diagnostics and Genomics Session</u> <i>Chairs: N. Chantratita, P. Keim</i>
8:30-8:50 am	Invited speakers: N. Chantratita, Mahidol University, Thailand; Diagnostic Proteomics and Biomarkers
8:50-9:10 am	C. Chewapreecha, University of Cambridge, UK; Genomes Link the Global Dissemination of <i>Burkholderia pseudomallei</i> to Human Movement and Trade Routes
9:10-9:30 am	P. Keim, Northern Arizona University, USA; Detecting and Identifying <i>Burkholderia</i> Pathogens: A Phylogenetic Approach to Signal Versus Noise
9:30-9:45 am	Selected paper presentations: L. Viberg, Menzies School of Health Research, Australia; Within-host Evolution of <i>Burkholderia pseudomallei</i> Chronically Infecting Seven Cystic Fibrosis Patients

9:45-10:00 am	D. AuCoin, University of Nevada Reno, USA; <i>Burkholderia pseudomallei</i> Capsular Polysaccharide: Expression, <i>in vivo</i> Distribution and Detection
10:00-10:30 am	Break
10:30 am-12:00 pm	<u>Pathogenesis 1 Session</u> <i>Chairs: J. Wiersinga, Y.H. Gan</i>
10:30-10:50 am	Invited speakers: D. DeShazer, U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), USA; What Are the "Other" Type VI Secretion Systems Doing in <i>Burkholderia pseudomallei</i>?
10:50-11:10 am	N. Ketheesan, James Cook University, Australia; Early Immune Dysregulation in a Diabetic Host Dictates the Clinical Outcome of Melioidosis
11:10-11:25 am	Selected paper presentations: H. Dejong, Academic Medical Center, the Netherlands; S100/A8/A9 (Calprotectin) Impairs Host Defense Against Pneumonia-derived Septic Melioidosis
11:25-11:40 am	S. Wongratanacheewin, Khon Kaen University, Thailand; The <i>bpsI0279</i> Gene in <i>Burkholderia pseudomallei</i> and <i>bth_i249</i> Gene in <i>B. thailandensis</i> Play a Role in Biofilm Formation
12:00-1:00 pm	Lunch
1:00-2:45 pm	<u>Immunology Session</u> <i>Chairs: M. Burtnick, P. Brett</i>
1:00-1:20 pm	Invited Speakers: J. Wiersinga, Academic Medical Center, the Netherlands; On the Potential Role of the Gut Microbiota in Melioidosis
1:20-1:40 pm	E. West, University of Washington, USA; Human Genetics and Host Defense in Melioidosis
1:40-1:55 pm	Selected paper presentations: P. Chaichana, Mahidol University, Thailand; Do Functional Antibodies Provide Protection Against Death in Melioidosis Patients?
1:55-2:10 pm	M. Norris, University of Florida, USA; Structural Diversity of <i>Burkholderia pseudomallei</i> LPS Affects Innate Immunity Signaling
2:10-2:25 pm	B. Kronsteiner-Dobramysl, University of Oxford, UK; Phenotypic Characterization of Different Protective Immune Pathways against <i>Burkholderia pseudomallei</i> in Subjects With and Without Diabetes Mellitus
2:30-3:00 pm	Break
3:00-4:05 pm	<u>Antimicrobial Therapy & Resistance Session</u> <i>Chairs: B. Currie, C. Mukhopadhyay</i>
3:00-3:20 pm	Invited speaker: H. Schweizer, University of Florida, USA; Antimicrobial Resistance in <i>Burkholderia pseudomallei</i> – Impact on Diagnosis and Treatment
3:20-3:35 pm	Selected paper presentations: P. Bulterys, University of California Los Angeles, USA; Small Molecule Inhibitors of <i>Burkholderia</i> Cell-cell Spread
3:35-3:50 pm	N. Harmer, University of Exeter, UK;

3:50-4:05 pm	<p>Drug Discovery Screening of a Whole Cell, Phenotypic Assay to Identify Clinically Viable Compounds Active Against the Persister Phenotype in <i>Burkholderia thailandensis</i></p> <p>S. Chirakul, University of Florida, USA; Point mutations in <i>penA</i> and Its Upstream Promoter Region Contribute to Ceftriaxone Resistance in <i>Burkholderia pseudomallei</i></p>
4:05-5:30 pm	Poster presentation 2
7:00-10:00 pm	<p>Conference Dinner "The Celebration of Gratitude and Recognition"</p>
Wednesday, August 10, 2016	
8:00-8:30 am	Registration open
8:30-10:00 am	<p><u>Environmental Aspects Session</u> <i>Chairs: V. Wuthiekanun, J. Gee</i></p>
8:30-8:50 am	<p>Invited Speakers: Ivo Steinmetz, Medical University Graz, Austria; Ecology of <i>Burkholderia pseudomallei</i>: Current Status and Future Challenges</p>
8:50-9:10 am	<p>R.W. Sermswan, Khon Kaen University, Thailand; Investigation of the Environmental Factors is Not Only to Understand but to Find a Better Way to Fight</p>
9:10-9:25 am	<p>Selected paper presentations: J. Lim, DSO National Laboratories, Singapore; Environmental Surveillance of <i>Burkholderia pseudomallei</i> in Singapore</p>
9:25-9:40 am	<p>V. Hantrakun, Mahidol University, Thailand; Association between nutrient-depleted soil and presence of <i>B. pseudomallei</i></p>
9:40-9:55 am	<p>D. Wagner, Northern Arizona University, USA; Genomic analysis of <i>Burkholderia pseudomallei</i> infections in non-human primates and soil sampling at the research facility in Louisiana, USA</p>
10:00-10:30 am	Break; poster & exhibition viewing
10:30 am-12:00 pm	<p><u>Pathogenesis 2 Session</u> <i>Chairs: D. DeShazer, E. West</i></p>
10:30-10:50 am	<p>Invited speakers: Y. H. Gan, National University of Singapore (NUS), Singapore; Inhibitors of positive transcription elongation factor (P-TEFb) help control <i>Burkholderia pseudomallei</i> infection through Type I IFN</p>
10:50-11:10 am	<p>M. Burtnick, University of South Alabama, USA; Differential Activation of RAW 264.7 Macrophages by <i>Burkholderia pseudomallei</i> T3SS Mutants</p>
11:10-11:25 am	<p>Selected paper presentations: C. Davitt, Tulane University, USA; Host Recognition of <i>Burkholderia pseudomallei</i> through Secreted Outer Membrane Vesicles and the NLRP-3 Inflammasome</p>
11:25-11:40 am	<p>C. Jenkins, University of Leicester, UK; Investigating the Lytic Transglycosylases of <i>Burkholderia pseudomallei</i></p>
11:40-1:00 pm	Lunch

1:00-2:30 pm	<p><u>Vaccines Session</u> <i>Chairs: G. Tan, I. Peak</i></p>
1:00-1:20 pm	<p>Invited speakers: P. Brett, University of South Alabama, USA; Development of Synthetic Oligosaccharide-Based Vaccines Using Protective Epitopes from <i>Burkholderia pseudomallei</i> O-Antigens</p>
1:20-1:40 pm	<p>L. Morici, Tulane University, USA; A <i>Burkholderia</i> Outer Membrane Vesicle Vaccine Elicits Protective Humoral and Cellular Immunity</p>
1:40-1:55 pm	<p>Selected paper presentations: Alex Wagemakers, Academic Medical Center, the Netherlands; Rapid vaccination by skin tattooing or intranasal administration of plasmid flagellin DNA induces protective immunity against murine melioidosis</p>
2:00 – 2:15 pm	<p>Special presentation: Lanling Zou, National Institute of Health, USA; NIAID/DMID's Resources for Vaccine Development</p>
2:15 - 3:00 pm	Break, networking, and poster & exhibition viewing.
3:00-4:00 pm	<p><u>International Melioidosis Society & 9th WMC Announcement</u> <i>Chairs: A. Tuanyok, H. Schweizer</i></p>
4:00 pm	<p>Concluding Remarks A. Tuanyok, H. Schweizer</p>