

FIMSA 2018 Congress Scientific Program
Crosstalk between Innate and Adaptive Immunity in Health and Disease

10-13 November 2018, Mandarin Hotel, Bangkok

Saturday 10 November 2018		
1:00-4:00 PM	Registration Opens	
4:00-4:30 PM	Opening Ceremony - Report by FIMSA 2018 Chairman (Tanapat Palaga, Congress chairman) - Speech by AAIAT President (Muthita Trakultivakorn, President of AAIAT) - Speech by FIMSA President (Shigeo Koyasu, President of FIMSA) MC: Direkrit Chiewchengchol, Rangsimma Reantragoon <i style="text-align: right;">Room: Mandarin AB</i>	
4:30-5:30 PM	Plenary Lecture I “Innate immunity, inflammation and cancer” Alberto Mantovani (Italy) President of IUIS <u>Chairperson</u> Tanapat Palaga <i style="text-align: right;">Room: Mandarin AB</i>	
5:30-7:30 PM	Welcome Reception (Cocktail) Visit Exhibition <i style="text-align: right;">Room: Mandarin C</i>	
Sunday 11 November 2018		
AM-1 Session	Innate Immune Cells and New Cell Subsets <i style="text-align: right;">Room: Mandarin A</i>	T Cells, B Cells and NKT Cells <i style="text-align: right;">Room: Mandarin B</i>
9:00-9:40	“The function of mucosal associated invariant T cells (MAIT cells)” -James McCluskey (40min) University of Melbourne	“Molecular control of T cell dysfunction” -Chen Dong (40 min) Tsinghua University
9:40-10:10	“Gasdermin D in neutrophils: function and mechanism of activation” -Hongbo Luo (30 min) Harvard/Boston Children's Hospital	“Development and Diversity of iNKT Cells” -Hiroshi Watarai (30 min) University of Tokyo
10:10-10:40	“IL-4 production of group 2 innate lymphoid cells” -Kazuyo Moro (30 min) RIKEN <u>Chairperson</u> Tanapat Palaga, Fabien Loison	“Tissue-resident memory T cells” -Laura Mackay (30 min) University of Melbourne/Adjunct A*STAR <u>Chairperson</u> Pornpimon Angkasekwinai, Laura Mackay
10:40-11:00	Coffee Break/Exhibition <i style="text-align: right;">Room: Mandarin C</i>	
11:00 AM – 2:00 PM	FIMSA Council Meeting (Invitation only) <i style="text-align: right;">Room: Kannika</i>	

AM-2 Session	Innate Immune Cells <i>Room: Mandarin A</i>	T and B Cells <i>Room: Mandarin B</i>
	Oral Presentation	Oral Presentation
11:00-11:15	Anti-nephrolithiatic peptide protects against calcium oxalate crystals by modulating NLRP3-mediated IL-1β secretion -Sarmistha Saha	Roles of regulatory B cells in autoimmune development -Liwei Lu
11:15-11:30	"Annex" in A1 to the breast tumor microenvironment by aiding in macrophage polarization" -Shreya Kar	Modulation of the antigen responsiveness of CD8+ T lymphocytes by inflammatory cytokines -Subburaj Ilangumaran
11:30-11:45	Role of vitamin D and its associated molecules in innate immunity in category I tuberculosis as compared to household contacts -Sudhasini Panda	Investigating transcriptional dynamics of T helper 2 differentiation at single-cell resolution - Anunya Opasawatchai
11:45-12:00	Herpes simplex virus VP1-2 deubiquitinates STING to promote viral infection in the brain - Chiranjeevi Bodda <u>Chairperson</u> Tanapat Palaga	Deletion and anergy restrain self-reactive B cell responses in a polyclonal repertoire -Jeremy F Brooks <u>Chairperson</u> Surasak Wongratanacheewin Hiroshi Watarai
12:00-12:30 PM	Symposium I: Thermofisher "Attune NxT Flow Cytometer: Super-fast flow rates to enable rare cell detection and whole blood analysis" Speaker: Phil Donaldson <i>Room: Mandarin A</i>	Invited Symposium II Hot topic from Nobel Prize 2018: Immunooncology: New era of cancer treatment Speaker : Virote Sriuranpong Faculty of Medicine, Chulalongkorn University <u>Chairperson</u> Nattiya Hirankarn <i>Room: Mandarin B</i>
12:30-1:30	Lunch	
PM-1 Session	Autoimmunity <i>Room: Mandarin A</i>	Development of Immune Cells and Immunodeficiencies <i>Room: Mandarin B</i>
1:30-2:10	"A transcriptional network analysis of multiple sclerosis" -Alan Baxter (40 min) James Cook University	"Regulating T cell development and activation through TCR signal transduction" -Nicholas Gascoigne (40 min) National University of Singapore
2:10-2:40	"The orbital fibroblast; a key player and target for therapy in Graves' ophthalmopathy" -Wim Dik (30 min) Erasmus Medical Center	"The action of immunoglobulins in relation to disease" -Martin van Hagen (30 min) Erasmus Medical Center

2:40-3:10	"Roles of Sting/Tmem173 in autoimmunity" -Prapaporn Pisitkun (30 min) Mahidol University <u>Chairperson:</u> Wim Dik Sita Virakul	"TCR repertoire selection of CD8 T cells in the thymus" -Yousuke Takahama (30 min) University of Tokushima <u>Chairperson:</u> Martin van Hagen Nattiya Hirankarn
3:10-3:25	Symposium III: Biomed Diagnostics "Rapid, Easy Immune Cell Isolation for Increased Laboratory Throughput." Speaker : Dr. Cyrus Eduljee <i>Room: Mandarin A</i>	Symposium IV: Bio-rad "Decipher complexity with the ZE5 Cell Analyzer-From Exosome Detection to Immunotherapy" Speaker: Yasha Talaga <i>Room: Mandarin B</i>
3:25-5:00	Poster Session Day 1/Coffee Break <i>Room: Mandarin BC</i>	
Monday 12 November 2018		
AM-3 Session	Immune Signaling and Antigen Presentation <i>Room: Mandarin A</i>	Infectious Diseases <i>Room: Mandarin B</i>
9:00-9:40	"Crosstalk of epigenetic modifiers and innate molecules in immunity and inflammation" -Xuetao Cao (40 min) Chinese Academy of Medical Sciences	"Human antibodies responses to dengue and zika virus infections" -Juthathip Mongkolsapaya (40 min) Mahidol/Imperial College
9:40-10:10	"Identification and characterization of a novel DAMP receptor" -Kenneth Rock (30 min) UMass Medical School	"Neutralizing monoclonal antibodies to prevent and treat yellow fever virus infection" -David Watkins University of Miami (30 min)
10:10-10:40	"Diversification of antigen presentation through unexpected proteolysis" -Anthony W. Purcell (30 min) Monash University <u>Chairperson:</u> Anthony Purcell Patcharee Ritprajak	"STING signaling in infectious disease, inflammation, and cancer" -Glen Barber (30 min) University of Miami <u>Chairperson:</u> Pongsak Utaisincharoen Surasakdi Wongratanacheewin
10:40-11:00	Coffee Break/Exhibition <i>Room: Mandarin C</i>	
AM-4 Session	Immune Signaling <i>Room: Mandarin A</i>	Infectious Diseases <i>Room: Mandarin B</i>
11:00-11:15	Oral presentation Amphiregulin is required for the induction of IL-9 in T helper cells through EGFR-HIF1α signaling -Suyasha Roy	Oral presentation A novel dengue NS3 epitope that induces robust cross-reactive memory CD8 T-cell responses to both dengue and zika viruses -Jaturong Sewatanon
11:15-11:30	Foxo1 reciprocally governs IL-9 and IL-17	$\Gamma\delta$ T cells protect against lung infection by

11:30-11:45	induction in Th17 cells -Amit Awasthi	promoting plasmacytic differentiation of B-1a cells via an interleukin-17A-dependent mechanism -Xiaohui Wang
11:45-12:00	Tob1 inhibits IRF3-directed antiviral responses by recruiting HDAC8 to specifically suppress IFN-β expression - Zhongxia Yu	Untying the role of gamma delta T cell subsets: key players in the immunopathogenesis of pemphigus vulgaris - Dayasagar Das
	Suppression of experimental autoimmune encephalomyelitis by selective deletion of TRAF6 in T cells in mice -Takashi Kobayashi	Major histocompatibility complex class I chain-related gene, allele, and haplotype associations with dengue virus infections In ethnic Thais -Henry Stephens
	<u>Chairperson:</u> Patcharee Rijprajak Direkrit Chiewchengchol	<u>Chairperson:</u> Rasana Wongratanacheewin Juthathip Mongkolsapaya
12:00-12:30	Symposium V: Eppendorf “Vaccine in Bioprocess” Speaker: Mrs. Lay Koon Goh <i>Room: Mandarin A</i>	Symposium VI: BD Biosciences “New technologies for multi-omics immune profiling in single cells” Speaker: Rainer Blaesius <i>Room: Mandarin B</i>
12:30-1:30	Lunch	
PM-2 Session	Mucosal Immunity <i>Room: Mandarin A</i>	Tumor Immunology <i>Room: Mandarin B</i>
1:30-2:10	“Genetic dissection of inflammatory disorders” - Koji Yasutomo (40 min) University of Tokushima	“NK cell exhaustion and reversal by checkpoint blockade” -Zhigang Tian (40 min) University of Science and Technology of China
2:10-2:40	“Development and diversity of MAIT cells” -Dale I. Godfrey (30 min) University of Melbourne	“Immune-rejuvenation therapy of cancer” -Gaurisankar Sa (30 min) Bose Institute, India
2:40-3:10	“Gamma-delta T cells in human Merkel cell carcinoma” -Nicholas Gherardin (30 min) Doherty Institute <u>Chairperson:</u> Stit Sirisinha Dale I. Godfrey	“WWOX loses its tumor suppressor function by serine 14 phosphorylation” -Nan-Shan Chang (30 min) National Cheng Kung University <u>Chairperson:</u> Chanitra Thuwajit Glen Barber
3:10-5:00	Poster Session Day 2/ Coffee Break <i>Room: Mandarin BC</i>	
5:30-9:30	Networking Dinner (Chaophaya River Cruise)	

Tuesday 13 November 2018		
AM-5 Session	Vaccine <i>Room: Mandarin A</i>	Immunotherapy <i>Room: Mandarin B</i>
9:00-9:40	“Vaccination strategies against tuberculosis” - Stefan Kaufmann (40 min) Max Planck Institute	“Evaluation of therapeutic antibodies for malignant lymphoma using immunocompromised mouse model” -Seiji Okada (40 min) Kumamoto University
9:40-10:10	“Prime-Boost Dengue Vaccine Development” - Kiat Ruxruntham (30 min) Chulalongkorn University	“The mechanism of allergen immunotherapy and immune tolerance” -Tadech Boonpiyathad (30 min) Phramongkutklao Hospital
10:10-10:40	“Human scFv antibodies against Japanese encephalitis virus NS1 - From diagnostic to therapeutic” -Leow Chiuan Heng (30 min) INFORMM, Malaysia <u>Chairperson:</u> Chakrit Hirunpetcharat Leow Chiuan Heng	“The blockade of immune checkpoints in infectious diseases: from a perspective of immunotherapy” - Leow Chiuan Yee (30 min) University of Science Malaysia <u>Chairperson:</u> Sanipa Suradhat Peti Thuwajit
10:40-11:00	Coffee Break/Exhibition <i>Room: Mandarin C</i>	
AM-6 Session	Vaccine <i>Room: Mandarin A</i>	Immunotherapy <i>Room: Mandarin B</i>
11:00-11:15	Oral Presentation Hepatitis B vaccination or infection induces novel antigen-specific human memory natural killer cells - Ratna S Sari Wijaya	Oral Presentation Tissue-Resident memory t cells mediate melanoma surveillance and are targets of immunotherapy -Simone Park
11:15-11:30	The protective effects of vaccination with porphyromonas gingivalis and RGPA domains in rats with collagen-induced arthritis -Gregory J Tsay	Chronic inflammation and bowel cancer; are your maits involved? -Jason Kevin Kelly
11:30-11:45	A novel RNA adjuvant enhances vaccine-induced immune responses against MERS Coronavirus -Kyung won Kang	Preferential migration of E7 specific activated cd8 t cells to E7 transgenic skin grafts -Seyed Davoud Jazayeri
11:45-12:00	IFN-α enhances adenoviral vector FMDV vaccine immune response by promoting memory TFH cells -Chunxia Su <u>Chairperson:</u> Chakrit Hirunpetcharat	Phenotypic and functional characterization of anti-CD3/28 expanded CD4+ T cells for autologous transfusion in HIV infected patients -Nattawat Onlamoon <u>Chairperson:</u> Nattiya Hirankarn

12:00-12:30 PM	Symposium VII: NanoString Technologies “Dissecting the tumor immune microenvironment with Digital Spatial Profiling” Speaker: Indina Medina <i>Room: Mandarin A</i>	Symposium VIII: RI Technologies “Powering Multi-Omic Translational Studies with Mass Cytometry” Speaker: Oliver Vasilevski <i>Room: Mandarin B</i>
12:30-1:30	Lunch	
PM-3 Session	Immune System and Diseases I <i>Room: Mandarin A</i>	Immune System and Diseases II <i>Room: Mandarin B</i>
1:30-2:10	“Osteoimmunology and autoimmune disease” -Hiroshi Takayanagi (40 min) University of Tokyo	“Innate immune memory in falciparum malaria” -Douglas Golenbock (40 min) UMass Medical School
2:10-2:40	“Primary immunodeficiency disorders : from immunodeficiency to autoimmunity” -Virgil Dalm (30 min) Erasmus Medical Center	“Understanding drug-induced changes in peptide presentation by HLA molecules in adverse drug reactions” -Patricia Illing (30 min) Monash University
2:40-3:10	“Macrophages in autoimmune disease and sepsis” -Tanapat Palaga Chulalongkorn University <u>Chairperson:</u> Virgil Dalm Pornpan Choopong	“Contribution of cancer stem cells in immunosuppressive T-regulatory cell generation” -Tanya Das (30 min) Bose Institute, India <u>Chairperson:</u> Rangsim Reantragoon Patricia Illing
3:10-3:30	Coffee Break/Exhibition <i>Room: Mandarin C</i>	
3:30-4:15	Plenary Lecture II “Tolerance break by class switch recombination for auto-antibody production” Shigeo Koyasu RIKEN, FIMSA President <u>Chairperson</u> Tanapat Palaga <i>Room: Mandarin A</i>	
4:15-4:30	Award and Closing Ceremony MC: Direkrit Chiewchengchol, Rangsim Reantragoon <i>Room: Mandarin A</i>	

Plenary Session

Invited Session

Abstracts Presentation