

e-ASIA 13th Call for Proposal

Health Workshop

“Immunology and Infectious Disease”
(including Antimicrobial Resistance)

Possible research topics

Intersections between chronic and infectious disease, including co- and multi-morbidities

- o common risk factors that aggravate the condition (e.g. tobacco, obesity)
- o immune response, inflammation, metabolism, and microbiome

Novel vaccine immunogens for combatting emerging and re-emerging infectious diseases

Utilization of microfluidics for discovery of antibody-based therapeutics against antimicrobial resistance

Pandemic preparedness and response

(e.g., surveillance, interventions, public awareness and prevention, vaccine development, climate change)

Multi-OMICS approach towards discovery and innovation – Host immune responses to infectious diseases

Novel antibody therapeutics and vaccine immunogens for combatting antimicrobial-resistant pathogens

Effective public health infection control and prevention methods

> Other topics related to “Climate-Smart Food Production” are also welcome

Technical Session

Invited speakers:

Dr. Dodi Safari, S.Si., National Research and Innovation Agency (BRIN), ID
"Genomic surveillance of antimicrobial resistance: One health approach"

Dr. Triwibowo Ambar Garjito, S.Sc., M.Kes., National Research and Innovation Agency (BRIN), ID
"An Update on the Epidemiology of Japanese Encephalitis in Indonesia"

Dr. Karell Calpito, Science & Technology Fellow, DOST-Philippine Council for Health Research & Development, PH
"Research and Innovation to Combat Antimicrobial Resistance in the Philippines"

Dr. Katsushi Tokunaga, Prof, National Center for Global Health and Medicine, JP
"Integrated application of human and pathogen genomic information in Asian tuberculosis patients"

Dr. Dr. Itaru Hirai, Prof, University of the Ryukyus, JP
"Application of learnings from blaCTX-M to characterization of plasmids harboring antimicrobial-resistance genes"

Dr. Salvador Eugenio Caoili, Prof, University of the Philippines, PH
"Development of Rumpin as a Drone Precision Farming Laboratory"

Pitch Speakers:

Dr. Cornelia Landersdorfer, Assoc Prof, Monash University, AU
"Combating antimicrobial resistance by integrating dynamic infection models, multi-OMICs and mechanism-based modelling towards personalised therapies"

Dr. Ika Nurlaila, Research Scientist, BRIN, ID
"Revisiting Epstein-Barr Virus Infection in Nasopharyngeal Carcinoma as an Integrated movement within Preparedness against Respiratory-associated Pandemic"

Dr. Tanya Applegate, Assoc Prof, Kirby Institute, AU
"New molecular tools to uncover the real AMR problem in East Asia"

Dr. Gusliani Eka Putri, Lecturer, STIKes Syedza Saintika, ID
"Bioorganic Synthesis of Cerium Oxide Nanoparticles as Drug Delivery System In Improving The Anticancer Effects of Free Trastuzumab In Treating Breast Cancer"