



Southeast Asia Multilateral Biosecurity Dialogue

With participation from Indonesia, Malaysia, the Philippines, Singapore, Thailand,
and the United States

16-18 April 2024

Professional Biographies

Indonesia

Yahdiana HARAHAHAP, PhD



Dr. Harahap is the Dean of Faculty of Military Pharmacy, Republic of Indonesia Defense University, Indonesia. Prior to this position, she was the Head of Pharmacy Division of Indonesia Accreditation Agency for Higher Education in Health (IAAHEH/LAM-PTKes). Previously (2011-2013) she was the Dean of the Faculty of Pharmacy, Universitas Indonesia. Currently she is the Chair of Multi-Country Training Hub for Health Emergencies Operational Readiness (MULTHEOR), Collaboration of WHO with Ministry of Defense and Ministry of Health Republic of Indonesia and since January 2024 she is the Chair of the Center of

Excellence for Biosafety and Biosecurity, Collaboration Republic of Indonesia Defense University with US-DTRA. She has published 114 papers in International Journals with Scopus index and has been invited to be a speaker at many international conferences, especially in the field of Bioavailability/Bioequivalence Studies and Bioanalysis techniques. She currently serves as an expert at the National Agency of Drug and Food Control Republic of Indonesia. Besides an academic experience, she is also involved in pharmaceutical associations such as the President of Asian Federation for Pharmaceutical Sciences (2020-2023) and Observer of Board of Director of Asian Association of School of Pharmacy (2020-present). She received her PhD from Department of Pharmacy, Institute Technology Bandung, Indonesia.

Ratna SITOMPUL, MD, PhD



Dr. Sitompul was appointed in 2022 as expert in the medical education field at the Ministry of Education, Culture, Research, and Technology of the Republic of Indonesia. Since 2022, she has served as the head coordinator of development, monitoring, and evaluation of the Academic Health Systems of a national working group at the Ministry of Health. Prof. Sitompul has been a member of the Joint Committee of the Indonesian Ministry of Research, Technology, and Higher Education for improving the quality of education, research, and

healthcare since 2016. She was appointed as Head of the Technical Commission of Health and Drugs Technology in the National Research Council of Indonesia to prepare national strategic policies for developing science and technology. From 2015 to 2017, she was a World Health Organization member in the Southeast Asia Regional Office, representing Universitas Indonesia.

Dr. Sitompul was Dean of the Faculty of Medicine, Universitas Indonesia (FMUI), from 2008 to 2012 and was reelected for a second term, from 2013 to 2017. During her tenure as dean of FMUI, Prof. Sitompul directed mutual collaborations in the fields of healthcare services, medical education, and research among reputable institutions worldwide. She initiated a collaboration with the National University of Singapore (education, joint research, medical courses, staff and student exchange, PhD program) to support quality enhancement of FMUI. She is developing Academic Health System Universitas Indonesia, which is a collaboration in medical education,

healthcare, and research with 9 national teaching hospitals in Jakarta, and actively participating in the Association of Academic Health Centers. Moreover, a joint program with the governor of the DKI Jakarta province, Jakarta Sehat, has been established to improve healthcare services and the referral system in DKI Jakarta.

Dr. Sitompul graduated as a medical doctor from FMUI in 1986, became an ophthalmologist in 1994, and earned her doctoral degree in 2005.

Amin SOEBANDRIO, PhD



Dr. Soebandrio is Chairman of the Republic of Indonesia Ministry of Health Committee for Stem Cell Development, serving in that capacity since 2021. From 2014 to 2021, Dr. Soebandrio was Chairman of the Eijkman Institute for Molecular Biology. His research interests are in emerging and reemerging infectious diseases, antimicrobial resistance, and hospital infection prevention. From 2000 to 2013, he served as Senior Advisor and Deputy Minister at the Ministry of Research and Technology. He served as Chairman of the Expert Panel of the National Committee for Zoonotic Diseases from 2009 to 2017. He was Chairman of the Eijkman Institute for Molecular Biology from 2014 to 2021. He is currently the Steering Committee Chairman for the Asian Partnership for Emerging Infectious Diseases Research; Board Chairman of the Coordinating Organization for Regional Diseases Surveillance; member of the expert panel of the Indonesian Global Health Security Agenda Committee; member of the National Committee for Bioethics; member of the Expert Committee of the COVID-19 Special Task Force; and Chairman of the Ministry of Health Committee for Stem Cell Development.

Dr. Soebandrio graduated from the Medical Faculty University of Indonesia, obtained clinical microbiology specialization from the same institution, and was awarded a PhD in immunogenetics by Kobe University in Japan.

MG (ret) Daniel TJEN, MD, SpS



Major General (ret) Tjen, from Indonesia, is currently a member of the WHO Health Security Interface – Technical Advisory Group (HSI-TAG). He currently serves as Commissioner of Mayapada Healthcare, previously serving as Chief Medical Officer responsible for all Mayapada hospital operations. MG Tjen was appointed as Special Advisor for the Minister of Health in 2019–2020.

Prior to joining Mayapada and the Ministry of Health, MG Tjen was the Surgeon General of Indonesia Armed Forces, with responsibility for the medical support of and force protection in military deployments both domestically and overseas (UN PKO). He was actively involved in the initiation of Indonesia leadership in the Global Health Security Agenda (GHSA). MG Tjen was appointed as the Chairman of the International Committee of Military Medicine in 2015. He has actively participated in the Multilateral Dialogue on Biosecurity (hosted by the Johns Hopkins Center for Health Security at the Bloomberg School of Public Health) since 2014. He is a regular opinion contributor for The Jakarta Post, an English-language newspaper.

Malaysia

Badrul Hisham ABDUL SAMAD, MBBS



Dr. Abdul Samad is a Consultant Public Health Physician at the Faculty of Medicine and Defence Health, National Defence University of Malaysia (NDUM) and a Research Fellow at the Humanitarian Assistance and Disaster Relief (HADR) Research Centre, NDUM, Kuala Lumpur, Malaysia. Also, he is the Deputy Director II for the National Biological Weapons Convention Technical Committee, Malaysia. Dr. Abdul Samad started his career in public health, back then, in the Ministry of Health (MoH) Malaysia since 1997. His expertise is in communicable disease epidemiology, prevention, surveillance, detection, and outbreak control; laboratory biosafety; biosecurity, and Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) preparedness and response.

Dr. Abdul Samad obtained his MBBS degree from the University of Malaya, Malaysia (1994); MPH degree from the University of Glasgow, Scotland (1996); and master's degree in environmental engineering from Universiti Teknologi Malaysia (2003).

Sazaly ABU BAKAR, PhD



Dr. Abu Bakar is a Senior Professor and the Director of the Tropical Infectious Diseases Research and Education Center (TIDREC) and the World Health Organization Collaborating Center (WHOCC) for Arbovirus Reference and Research at Universiti Malaya in Kuala Lumpur. He is the Chairperson of the subcommittee for Laboratory Biosafety and Biosecurity for International Health Regulation implementation, Malaysia. He is also the Editor of the Malaysia Biosafety and Biosecurity Policy and Guideline (2015). He received his PhD and postdoctoral training in virology at the University of Texas Medical Branch in Galveston, Texas.

CHONG Chee Kheong, MBBS, MPH



Dr. Chong was formerly from the Ministry of Health Malaysia and held positions of Director of the National Public Health Laboratory, Director of the disease control division, and Deputy Director General of health (Public Health) before he retired in July 2022. He is currently serving as the Senior Health Advisor for the ASEAN Mitigation of Biological Threats (MBT) program, which lies under the purview of the ASEAN Health Cluster 2. His experience in ASEAN began in 2009, when Malaysia was lead country for the ASEAN Partnership Laboratory, ASEAN Risk Communication Centre (now known as Risk Assessment and Risk Communication), ASEAN Expert Group for Communicable Diseases (AEGCD), UNITEDengue (co-lead with Singapore), and ASEAN EOC Network.

Novia KUSWARA, MD



Dr. Kuswara is Project Coordinator of ASEAN EOC Network project Phase 2. She received her MD from Hasanuddin University, Makassar.

BG Mohd Arshil MOIDEEN, MD, DrPH, MPH



BG Moideen is currently Dean, Faculty of Medicine and Defence Health, National Defence University of Malaysia. He is a results-oriented Military Medical Doctor, Public Health Specialist and Healthcare Administrator with 20 extensive years of local and international experience in delivering measurable results while facilitating quality healthcare, preventive medicine actions and epidemiological procedures in Civilian and Military communities, various clinical and medical facilities as well as to underprivileged communities in the international arena.

A robust background in Health Regulations, Personnel Management, Logistics, Risk Management and Health Planning.

Extensive International Military/ Humanitarian Missions experience including work in United Nations Missions, International Military Exercises, Bilateral/ Multilateral engagements, and International Conferences exposures. An Operational Medicine Expert with a vast experience in the planning, deployment and management of field health services that include health service support in Military Operation in War and Military Operation Other Than War, while having in-depth knowledge on Field Hospital levels 1-3 and Forward Surgical Team (FST) operation.

A qualified Military Doctor with master's in public health (university of Sydney), Philosophy Doctorate in Public Health Epidemiology (University of Putra Malaysia), Postgraduate Diploma in Family Medicine, Certificate in Underwater Medic

Zalini binti YUNUS, PhD



Dr. Yunus is the former Deputy Director General of the Science and Technology Research Institute for Defence (STRIDE), Ministry of Defence Malaysia. Dr. Zalini has also served as the National Contact Point for the Biological and Toxin Weapons Convention (BTWC). She has continuously work with national stakeholders in strengthening national measures to fulfil Malaysia's obligations to the BTWC especially in capacity building programs in biosecurity, biorisk management and inter-sectoral coordination in deliberate bio-incidents' response and joint investigations.

In addition, she has served as a member of the World Health Organization's (WHO) Roster of Experts in Biosafety, Biosecurity and Biorisk Management. At the national level, she has served as the Chair of the Technical Committee for Drafting of Malaysia's Biological and Toxin Weapons Convention (BTWC) Bill and Regulations, Chair of the Policy Development Committee for the National Policy on BTWC Implementation and the lead editor for Malaysia's Biological Incident Emergency Response and investigation Guide. She also was the Chair of STRIDE's R&D Roadmap Development Committee and the Chair of STRIDE and Malaysian Armed Forces Engagement Program on Defence S&T Expertise and Capabilities.

She graduated with a degree in Microbiology from National University of Malaysia, obtained her Master of Science in Immunology and Allergy from the University of Nottingham, United Kingdom, and received her PhD in Chemical Engineering from the University of Manchester, Institute of Science and Technology (UMIST), United Kingdom.

Philippines

MG Jose EMBANG, Jr., Ret.



Major General Embang is Commissioner of the Philippine Racing Commission and former Chief of the Bureau of Fire Protection (BFP), Philippines. As the Bureau of Fire Protection Chief, he passed into law the BFP Modernization Law, engineered the BFP organizational structure, and facilitated rank reclassification of the BFP.

He also was Task Force Commander BFP and Task Group Commander for Chemical, Biological Radiological and Nuclear (CBRN) APEC and ASEAN in 2015 and 2017.

Irma R. MAKALINAO, MD, MA, FPPS, FPSCOT



Dr. Makalinao is Professor and Graduate Program Advisor of Pharmacology and Toxicology at the University of the Philippines (UP) Manila College of Medicine. She is the UP College of Medicine Coordinator for Chemical, Biological, Radiological, and Nuclear (CBRN) Health Security. She was instrumental in the creation of the UP Manila Institutional Biosafety and Biosecurity Committee, serving as its first Chair. For many years up to present time, Dr.

Makalinao has been part of the CBRN National Team actively contributing to the finalization of the National CBRN National Action Plan (NAP CBRN), including its presentation and final approval by the Anti-Terrorism Council through the adoption of ATC Resolution 40, which institutionalized the CBRN National Team including the NAP CBRN.

Dr. Makalinao was Special Assistant to the University of Philippines Manila Chancellor for External Linkages and Partners; Special Assistant to the Dean; first appointed Chair of the University of Philippines Manila Institutional Biosafety and Biosecurity Committee; Chair of the Department of Pharmacology and Toxicology; Consultant Head for the Capacity Building Office of the Anti-Terrorism Council Program Management Center, Office of the Executive Secretary, Office of the President, Malacañang Palace; President of the Philippine Society of Clinical and Occupational Toxicology; Secretary of the Philippine Society of Clinical and Occupational Toxicology; Board Member of the Asia Pacific Association of Medical Toxicology; former Secretary of the Asia Pacific Biosafety Association; and member of the Board of Directors of the Pacific Basin Consortium for Environment and Health.

Dr. Makalinao holds a BS in biology, a Doctor of Medicine with a specialization in pediatrics and toxicology, and an MA in peace and security studies. She is a PhD candidate in peace and security administration.

CPT Ron Ryan ROMERO, MD, MPH



CPT Romero is the Assistant Head of the Department of Research and Training at Victoriano Luna Medical Center (VLMC), Armed Forces of the Philippines Health Service Command (AFPHSC). He is an Orthopaedic Surgeon by training and is a Diplomate of the Philippine Board of Orthopaedics. CPT ROMERO MC is also part of the Consultant Staff of the Department of Orthopaedic Surgery and Traumatology, VLMC, AFPHSC. As a Medical Corps Officer, he has been deployed as part of the Forward Surgical Team at Camp Teodulfo Bautista Station

Hospital in Jolo, Sulu and at Camp Navarro General Hospital in Zamboanga City. His research interest interests include wartime orthopaedic trauma and geriatric orthopedics.

Prior to obtaining his medical degree from Far Eastern University Dr. Nicanor Reyes Medical Foundation, CPT ROMERO MC previously attended the University of Texas at Austin and graduated with a Bachelor of Science in Biology with Concentration on Problems of Developing Countries and Certificate in Population and Public Policy. Further, he obtained a Master's in Public Health with a Concentration in Environmental Health Sciences from Yale School of Public Health.

Ma. Cyrrel VALENTIN



Ms. Valentin is National Security Specialist IV, National Security Council, Philippines.

Singapore

Mely CABALLERO-ANTHONY



Professor Caballero-Anthony is Professor of International Relations at the S. Rajaratnam School of International Studies (RSIS), Nanyang Technological University, and holds the President's Chair for International Relations and Security Studies. She is also the Head of the RSIS Centre for Non-Traditional Security (NTS) Studies and Associate Dean (External Engagement).

Professor Caballero-Anthony's research interests include regionalism and multilateralism in Asia-Pacific, human security and non-traditional security, nuclear security, conflict prevention and global governance. She has published extensively on a broad range of security issues in Asia-Pacific in peer-reviewed journals and international academic press. Her latest books, both single-authored and co-edited, include: *Covid -19 and Atrocity Prevention in East Asia* (London: Routledge 2022), *Nuclear Governance in the Asia-Pacific* (London: Routledge, 2022) and *Negotiating Governance on Non-Traditional Security in Southeast Asia and Beyond* (New York: Columbia University Press, 2018).

Professor Caballero-Anthony has led a number of global and regional research projects on international security and global governance. She has served as the Secretary-General of the Consortium on Non-Traditional Security Studies in Asia since 2008 and is a member of the International Climate Security Expert Network. She was Vice President at-large of the Governing Council of the International Studies Association (ISA) and was member of the ISA's Global South Task Force from 2018-2021. From 2013-2017, Prof Anthony was a member of the UN Secretary-General's Advisory Board on Disarmament Matters (ABDM) and served as its chairperson in 2016. She is also a member of the Asia-Pacific Leadership Network on Nuclear Non-Proliferation (APLN). She was Director of External Relations at the ASEAN Secretariat from 2011-2012.

Marc HO, MD, MPH



Dr. Ho is Group Director, Policy and Systems, Interim Communicable Diseases Agency Head of Transition, Communicable Diseases Agency Planning Office in the Ministry of Health, Singapore. He oversees national contact-tracing efforts, surveillance, and epidemiologic investigations into COVID-19 and other emerging infectious diseases. He also leads a project team on the reorganization and expansion of communicable diseases functions in Singapore.

Prior to his current appointment, Dr. Ho was seconded to the World Health Organization (WHO) Health Emergencies Programme as technical lead for urban health emergency preparedness and health systems for health security. His previous portfolios in the Ministry of Health include policy development and operational response to communicable diseases, National International Health Regulation (IHR) focal point, and horizon scanning for global threats.

A medical doctor and public health specialist by training, Dr. Ho obtained his Master of Public Health from the National University of Singapore. He is a fellow of the Academy of Medicine Singapore and holds an adjunct position with the Saw Swee Hock School of Public Health.

KWA Chong Guan, MA



Kwa Chong Guan is Senior Fellow at the S. Rajaratnam School of International Studies (RSIS) at Nanyang Technological University, Singapore. He joined its Institute of Defence and Strategic Studies at its inception in 1996 as Head of External Relations, coordinating and growing the Institute's networking with other policy institutions in the region. As Senior Fellow, he continues to support a series of regional security projects with other regional institutions. These range from maritime security to non-traditional security issues of energy security, cybersecurity, nuclear energy safety and security and biosecurity.

He is Co-Chair of the Singapore Member Committee of the Council for Security Cooperation in the Asia Pacific and in that capacity was elected the ASEAN Co-Chair of CSCAP for 2011-2013. He has co-chaired several of the Council's Working and Study Groups and drafting of its Memorandums. Kwa is the RSIS Board Member of the "China-Southeast Asia Research Centre on the South China Sea" which brings together six Southeast Asian policy institutes to work with the China's "National Institute for South China Sea Studies."

He was previously Head of the old Department of Strategic Studies at the SAFTI Military Institute where he taught military history and strategic studies while concurrently teaching history at the School of Arts at the National Institute of Education. He began his career in the Ministry of Foreign Affairs before being assigned to the Ministry of Defence and later, the Ministry of Information and the Arts to reorganise and restructure the old National Museum and National Archives.

The conceptual underpinnings of Kwa's work are the interstices of history, security studies and international relations of Southeast Asia. At RSIS, he works on a range of regional security issues with a focus on the implicit narratives underlying our framing of regional security. At the History Department of the National University of Singapore and at the Archaeological Unit at the ISEAS-Yusof Ishak Institute, he is interested in issues in the long cycles and deep history of Southeast Asian history.

LEE Wei Ting, MBBS, MMed



COL(Dr) Lee Wei Ting currently serves as the Chief of the Medical Corps in the Singapore Armed Forces. His journey began in 1998 with the SAF, where he earned a Local Study Award (Medicine). Graduating from the National University of Singapore in 2004, he assumed diverse ground and staff roles before becoming the Commander of the SAF Training Institute in 2017. In 2019, he took on the role of Chief Army Medical Officer, playing a pivotal role in Singapore's response against COVID-19. Trained as an orthopaedic surgeon, he leads a proficient team of healthcare professionals dedicated to safeguarding the health of our service personnel. His belief centers on proactive military healthcare, emphasizing health over healthcare.

Poh Lian LIM, MD, MPH



Associate Professor Lim is Director of the High-Level Isolation Unit, National Centre for Infectious Diseases; Head of the Travellers' Health and Vaccination Clinic, Tan Tock Seng Hospital; and Senior Consultant with the Ministry of Health, Singapore.

Prof. Lim serves as the Deputy Chair for WHO's Technical Advisory Group for the Health Security Interface (HSI-TAG), working on preparedness and response for deliberate events and biotreats. She has been involved in WHO's Global Governance for Responsible Life Sciences framework, horizon scanning foresight exercises, and the SAGE working group on smallpox vaccines.

Prof. Lim grew up in Malaysia, studied biochemistry at Harvard University, medicine at Columbia University, and public health at Tulane University. She moved to Singapore in 2003, working as a frontline ID clinician during the SARS outbreak. Prof. Lim then served as Head of the Department of Infectious Diseases at Tan Tock Seng Hospital from 2012 to 2016, working on national outbreak preparedness and response for dengue, chikungunya, leptospirosis, Ebola, MERS, Zika, and yellow fever. She is active on expert committees for the Ministry of Health and Singapore Armed Forces, including Singapore's Expert Committee on COVID-19 Vaccination (EC19V).

Prof. Lim has been active in outbreak preparedness and responses internationally, serving on the Global Outbreak Alert and Response Network (GOARN) Steering Committee for a decade, and WHO and United Nations taskforces. She is on the faculty of LKC and NUS schools of medicine and public health, and has over 100 publications, including in the New England Journal of Medicine, The Lancet, AIDS, and Emerging Infectious Diseases.

ONG Bee Leng May



Ms. May Ong is the Director of the CBRNE Center of Expertise (CoE) in the Home Team Science and Technology Agency, Ministry of Home Affairs (MHA), Singapore. Since 2009, she has been leading a team of CBRNE scientists and engineers in the MHA to detect security-sensitive materials at Singapore's border. The team also develops and implements new detection technology for the Home Team. The team also leverages computer modelling capability to conduct risk assessment and study the effectiveness of mitigation solutions in national emergency preparedness against CBRNE threats.

Ms. Ong started her professional career as a researcher at DSO National Laboratories in 1995. During her 11 years at DSO, she was exposed to chem-bio research with niche areas in chemical and biological decontamination and analysis of chemical warfare agents. She rose to the post of Project Manager in the Centre for Chemical Defence, where she managed research and development projects.

Ms. Ong moved on to the Ministry of Home Affairs in 2008 to embark on a journey of infusing science and technology into MHA frontline operations. In 2009, she operationalized the world's first-ever Protective Analytical Facility (PAF) in Singapore. The PAF provides scientific analysis capabilities to screen and analyze high-risk consignment at Singapore's border.

Today, Ms. Ong heads a network of CBRNE scientific facilities at the land and sea borders. The network of scientific laboratories has allowed Singapore to conduct onsite screening and confirmatory analysis for security-sensitive material detected at the border; this capability has sent out a strong deterrence message to potential penetrators that attempt to try Singapore's border.

Ms. Ong, ensuring the CBRNE CoE maintains a strong link with the Home Team, grounds officers through the CBRNE Training School under her wings. To date, the CBRNE Training School has trained more than 20,000 Home Team Officers, in addition to running its own training program. The school also works with international institutes to invite experts to share their knowledge and experience with the Home Team.

Most recently, Ms. Ong can be seen leading the CBRNE team in multiple fronts in the national fight against the COVID-19 pandemic, including the team conducting PCR screening of travelers and returning Singaporeans from overseas who enter Singapore via air, land, and sea borders. The team also works in collaboration with NEA to conduct COVID-19 wastewater surveillance of the dormitories and Home Team facility in Singapore.

Tikki Elka PANGESTU, PhD



Dr. Pangestu is presently a Visiting Professor at the Yong Loo Lin School of Medicine, National University of Singapore. He was previously a Visiting Professor at the Lee Kuan Yew School of Public Policy, National University of Singapore (2012–2020) and Director of Research Policy and Cooperation at the World Health Organization (WHO) in Geneva (1999–2012). Prior to joining WHO, he was a Professor of Biomedical Sciences in the Institute of Postgraduate Studies and Research, University of Malaya, Kuala Lumpur (1989–1999), and a Lecturer and Associate Professor in the Department of Microbiology, Faculty of Medicine, University of Malaya, Kuala Lumpur (1977–1989).

His research interests are in epidemiology, pathogenesis, laboratory diagnosis and prevention of infectious diseases, dual-use research, genomics and global health, health research policy, health research systems, global health governance, best practices in research, development of research capabilities in developing countries, linkages between research and policy, and the concept of harm reduction.

He holds a PhD in immunology-microbiology from the Australian National University, Canberra, and he is a fellow of the Royal College of Pathologists (UK), Institute of Biology (UK), American Academy of Microbiology (US), Academy of Medicine of Malaysia, and Academy of Sciences for the Developing World (TWAS).

Gladys TAN, PhD



Dr Tan is the Director of the Biological Defence programme in Defence Medical and Environmental Research Institute (DMERI), where she has built up deep technical expertise in microbiological, immunological, and aerobiology capabilities in handling highly infectious biological agents in the Biosafety Level-3 (BSL-3) laboratory with her team. She currently leads

the development of Singapore's first BSL-4 facility, and the establishment of maximum high-containment competencies to handle highly life-threatening biological agents in preparation for a "Disease X".

Benjamin TUNG, MBBS



LTC(DR) Benjamin Tung is a medical officer of the Singapore Armed Forces (SAF) and is currently the Commanding Officer of the Medical Response Force, HQ Army Medical Services, and concurrently practicing as a Consultant Cardiologist in the National University Heart Centre Singapore (NUHCS). A recipient of the SAF Local Medicine Scholarship, he obtained his medical degree from the National University of Singapore (NUS) and completed his Internal Medicine and Cardiology specialist training at the National University Health System (NUHS).

LTC(DR) Tung had served in various staff and operational appointments in the SAF, with experience in medical unit command, medical training, healthcare policy, and clinical cardiology. His current focus areas include healthcare leadership, administration, and crisis medical operations. Professionally, he has special interests in primary prevention, cardiac screening, and the young-at-risk population.

As a career medical officer of the SAF, LTC(DR) Tung had participated in both local and overseas operations and was awarded the SAF Overseas Service Medal in 2017 for leading a medical team as part of SAF's contributions to the multinational Combined Joint Task Force – Operation Inherent Resolve (CJTF–OIR) coalition. He was also awarded the Commendation Medal (COVID-19) and COVID-19 Resilience Medal in 2023 for his outstanding contributions to Singapore's response during the COVID-19 pandemic.

Shawn VASOO, MBBS, MRCP, D(ABIM) (Inf Dis)



Dr Vasoo is the Clinical Director and a Senior Consultant at the National Centre for Infectious Diseases (NCID), Singapore. He graduated from the National University of Singapore in 2001, and completed his residency training in Internal Medicine and his fellowship in Infectious Diseases at Rush University Medical Center in Chicago and following that, a Clinical Microbiology Fellowship and Orthopaedic ID fellowship at the Mayo Clinic in Rochester, Minnesota.

Dr Vasoo leads the Infectious Diseases Research Laboratory at NCID and also serves as faculty in undergraduate and postgraduate medical education. As Clinical Director, he oversees clinical and outbreak preparedness activities at NCID, which is a ~330 bed facility in Singapore purpose-built for outbreaks, and which houses the nation's only High Level Isolation Unit, and also chairs the COVID-19 Therapeutic Workgroup in Singapore. Besides COVID-19, he oversaw responses at NCID to several outbreak responses in recent years, including measles and monkeypox in 2019 and 2022 respectively. He works closely with the Ministry of Health and healthcare institutions across Singapore for outbreak preparedness. He also serves in the Republic of Singapore Airforce Medical Reserves. Dr Vasoo's research interests include rapid diagnostics, diagnostic stewardship and antimicrobial resistance and outbreaks/outbreak preparedness.

Thailand

Soawapak HINJOY, DVM, MSc, MPH, DrPH



Dr. Hinjoy (DVM, MSc, MPH, DrPH) has a background in veterinary medicine. After graduating with a doctorate in public health from the Johns Hopkins Bloomberg School of Public Health, she currently holds the position of Director of Office of International Cooperation, Department of Disease Control, Ministry of Public Health, Thailand. She is enthusiastic about developing collaborations in public health research on zoonotic diseases and emerging and reemerging infectious diseases under a One Health concept in Thailand and at the international level. Dr. Hinjoy also serves as National Coordinator of the ASEAN Health Cluster 2 and MBDS network and Chief of Thailand's Global Health Security Agenda (GHSA) coordinating unit, developing effective public health control and prevention strategies with a perspective of global health security.

Attaya LIMWATTANAYINGYONG, MD, MSc



Dr. Limwattanayingyong is the senior researcher at the International Health Policy Program, Ministry of Public Health, Thailand. She specializes in policy and system research in health security, health system development, global health, and immunization. She was trained in pediatrics and earned a Master of Science in clinical epidemiology.

Dr. Limwattanayingyong has a wide range of experience in immunization, from vaccine policy at the national level to implementation in the field as the former National Immunization Program Manager and former Deputy Director of the National Vaccine Institute.

She also has experience in policy development and health systems, for example, the development of a new vaccine introduction mechanism for Thailand, health system and disease control system reforms, national pandemic preparedness and disaster management, Thailand's innovative model of WHO-CCS. In 2018–2019, she was seconded to WHO, Geneva, by the Thai government as a technical advisor to share Thailand's experiences in health systems development, support other countries in implementing UHC, and support global movement on UHC to the UNGA.

Apart from her expertise in immunization, policy development and health systems, Dr. Limwattanayingyong has been working on global health policies and global health capacity building for several years, actively involved in many global health policy platforms. Currently she is the manager of the Public Health Emergency Program under the WHO-RTG (Royal Thai Government) collaboration. Further, she is involved in some policy decision mechanisms, including as a member of the Subcommittee on National lists of Essential Medicines and Traditional Medicines, Co-Chair of the Price Negotiation Working Group, and a member of a technical working group on Ending the Pandemic through Innovation Programs.

Tanarak PLIPAT, MD, PhD, MPH



Dr. Plipat is the Inspector General of the Ministry of Public Health (MOPH), Thailand. Dr. Plipat started his medical career as the general physician at Krabi provincial health office in 1991. He served as Medical Epidemiologist for the HIV/AIDS surveillance section, Bureau of Epidemiology (2000–2010), Chief of the national HIV/TB/STI surveillance unit (2003–2009), and Director of Bureau of Knowledge Management, Department of Disease Control (DDC; 2006–2010). From March 2010 to December 2013, he served as the Thai Co-Director of the

Thailand MOPH–US Centers for Disease Control and Prevention Collaboration. He was Director of the Bureau of Epidemiology, DDC, between December 2013 and February 2017, and he was Deputy Director of the DDC between February 2017 and December 2020. He was promoted to Inspector General of the Ministry of Public Health in December 2020.

From 2001 to present, Dr. Plipat has served on numerous national committees for the MOPH, including recently serving as a member of the Committee for Clinical Study of Pandemic Influenza Cases and Deaths and on the National Strategic Advisory Committee of Experts on Pandemic Influenza. He was appointed Chair of a committee to draft the DDC research strategic plan in 2003 and the strategic plan in 2004 and in 2017. He has experience working in the field of surveillance and outbreak investigation. As Director of the Bureau of Epidemiology, he initiated a laboratory-based surveillance system for priority syndromes in Thailand, supported the initiation of a public health laboratory network, and supported the use of laboratory evidence to support an outbreak investigation. As Deputy Director of the DDC, he led the public health response to COVID-19 and several other initiatives to strengthen national health security.

Dr. Plipat received an MD from Prince Songkla University, Thailand; an MPH from Mahidol University, Thailand; and a PhD in epidemiology from the University of California, Los Angeles. He is a graduate of the Field Epidemiology Training Programme, Thailand.

Wisit TANGKEANGSIRISIN, PhD



Dr. Tangkeangsirisin is currently the manager of the Bureau of National Vaccine Capacity Development, National Vaccine Institute (NVI), Thailand. He received his Bachelor of Pharmacy from Silpakorn University, Thailand, and his Doctor of Philosophy in Pharmaceutical Sciences from the University of Maryland, Baltimore. Later, he received postdoctoral training at the National Cancer Institute, NIH, on antibody phase display technology. Dr.

Tangkeangsirisin was an assistant professor teaching and doing research in biologics, biopharmaceuticals, monoclonal antibodies, and biosimilars. He is also a registered professional pharmacist.

A strong advocate for biologics and biosimilars, Dr. Tangkeangsirisin has been involved in bioprocessing and bioanalytical technology teaching and research activities. For more than a decade, as an external expert, he has contributed to reviewing quality documents for biologics, including vaccines and biosimilars, and registration dossiers for the Thai FDA. In addition, he has been recognized as a distinguished lecturer on biologics, including vaccines, on dossier preparations and reviews.

Suwit WIBULPOLPRASERT, MD



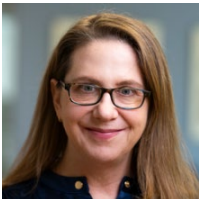
Dr. Suwit Wibulpolprasert is a public health specialist, administrator, and policy advocate at both the national and global levels. He began his career as a director and practitioner in rural areas and has various technical and administrative experience in the Thai FDA, Bureau of Health Policy and Plan, and as a Deputy Permanent Secretary and a senior expert in health economics and disease control. His current position is as an advisor to the Ministry of Public Health in global health.

Dr. Suwit has been proactively working in public health for more than 3 decades, from the grassroots to the highest policy levels. In parallel, he has been working with the science sector in various areas, including the reform of the science sector (legal frameworks and restructuring of the Ministry of Higher Education, Science and Innovation) and drug, including vaccine and medical device development along the value chain. Apart from his contribution in public health and R&D in Thailand, Dr. Suwit is one of the global health leaders who is well-known in the public eye as a forefront fighter to protect the benefit of the developing countries and the low-income.

At present, Dr. Suwit is a Board Member of the National Health Security Office (NHSO), Board Member of the National Nanotechnology Center (NANOTEC), Board Member of the National Science and Technology Development Agency (NSTDA), and Chair of the Subcommittee for Development of the National List of Essential Medicines (NLEM Subcommittee) and the Board Council of Praboromranchanok Insititute. Dr. Suwit also serves as the Vice Chair of both the International Health Policy Program Foundation (IHPF) and the Health Intervention and Technology Assessment Foundation (HITAF).

United States

Anita CICERO, JD



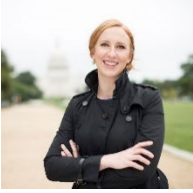
Ms. Cicero is Deputy Director at the Johns Hopkins Center for Health Security and a Senior Scientist at the Johns Hopkins Bloomberg School of Public Health. She is a lawyer with 30 years of experience. At the Center, Ms. Cicero helps to lead strategic planning, program development, budgeting, and health security policy development. She is an Associate Editor of the journal *Health Security*, the leading peer-reviewed journal in this field.

Ms. Cicero greatly expanded the Center's efforts in epidemic preparedness policy, global catastrophic biological risk issues, and international programs to engage constructively with other countries and regions in collaborative efforts to address biosecurity threats. Ms. Cicero has launched a number of initiatives to improve mutual understanding of health security issues with countries including India, Singapore, Malaysia, Thailand, Philippines, Indonesia, and the People's Republic of China. She has also worked on projects to assess and improve Taiwan's preparedness for public health emergencies.

Ms. Cicero has authored or co-authored several widely cited articles and reports on biosecurity policy, pandemic preparedness, biosurveillance, biosecurity in the South-East Asian region, public health measures required during pandemics, and international disease surveillance. She serves as Chair of a WHO Working Group on Dual Use Research of Concern, and she chairs a WHO Working Group tasked with developing recommendations for a governance framework for advanced life science research.

Ms. Cicero is a graduate of Yale Law School and Oberlin College.

Natalie deGraaf, MS, MPH



Ms. de Graaf is currently Director for Biodefense and Biological Weapons Nonproliferation, Health Security and Biodefense, National Security Council (NSC), The White House. Ms deGraaf's primary focus within the NSC is countering biological threats internationally from state and non-state actors, strengthening international norms on nonproliferation of biological weapons, and building unified coalitions through bilateral engagements. She came to NSC after serving as the Director for International within the Department of Defense, Chemical and Biological Defense Program. Prior to DoD, she worked within the HHS's Administration for Strategic Preparedness and Response as a Senior Analyst as well as Senior Program Manager and Technical Expert with the non-profit CRDF Global, where she led oversight of large and complex international biosafety and biosecurity programs. Prior to CRDF Global, Natalie spent five years at the U.S. Centers for Disease Control and Prevention, Division of Laboratory Systems, Quality and Safety Systems Branch where she led the development and implementation of national level policies, guidelines, and programs for foreign governments. Natalie has worked in over 45 nations throughout her career, spanning from multinational to local levels engagements and activities. Natalie received her MPH in Global Public Health Leadership and Management from NYU, and an M.S. in Science and Technology Policy and BS in Biochemistry with Medicinal Chemistry from Arizona State University.

Julie FISCHER, PhD



Dr. Fischer is the Technical Director for Global Health at CRDF Global, an independent nonprofit organization that works to empower people and programs to prevent, detect, investigate, and mitigate disease threats worldwide. Prior to joining CRDF Global, she served as Director of the Elizabeth R. Griffin Program and as an Associate Research Professor in the Department of Microbiology and Immunology at Georgetown University, where she led a multidisciplinary team to promote evidence-based biosafety and biosecurity practices and to help partner nations strengthen their capacities to detect and characterize disease threats rapidly, reliably, accurately, and safely.

Before joining Georgetown, Dr. Fischer held leadership positions at George Washington University's Milken Institute School of Public Health and the Global Health Security Program at the Stimson Center.

Dr. Fischer is a former Council on Foreign Relations International Affairs Fellow and American Association for the Advancement of Science (AAAS) Congressional Science & Technology Fellow. She received a PhD in microbiology and immunology from Vanderbilt University and completed postdoctoral training at the University of Washington and the Seattle Biomedical Research Institute.

Chan Harjivan, PharmD, MPH, MBA



Dr. Harjivan is currently the Special Assistant to the President, Associate Director for Domestic Preparedness and Response to Pandemics and Biological Threats in the Office of Pandemic Preparedness and Response Policy (OPPR) in the Executive Office of the President at the White House.

With experience in management consulting, leading a successful biotech start-up and now public service, he combines his clinical expertise with a Doctor of Pharmacy, population health acumen with a Master's in Public Health, and business management with an MBA to provide a holistic approach

to protect and preserve the health of populations globally; accelerate the development and access to health care innovations; and strategies for health focused organizations to achieve mission objectives.

Prior to his current role, Chan was the President and Chief Operating Officer at SaponiQx, a biotech company enabling the development of vaccines through the expansion of saponin based adjuvants using generative design and synthetic biology. Prior to joining SaponiQx, Chan was an equity Partner at Boston Consulting Group, and PwC where he led the Global Public Health Practice. He also led Management Consulting for PwC's Public Sector Practice overseeing the Strategy, Operations, Customer, People and Change and Finance capabilities. With deep content knowledge and breadth of experience, Chan led strategy work across a spectrum of organizations including the largest Multi-laterals, Foundations, NGOs, Pharma and Biotech, as well as most health focused US government agencies and departments.

He has served on many boards, including the Global Health Council, FINCA, and various roles at the Johns Hopkins School of Public Health. Chan has chaired/presented at many conferences and have been quoted or had articles in The Wall Street Journal, Forbes, The Financial Times, Homeland Security, Modern Healthcare, World Economic Forum, Vanity Fair, Esquire and many others about health strategy in the public and private.

Tom INGLESBY, MD



Dr. Inglesby is the Director of the Johns Hopkins Center for Health Security at the Bloomberg School of Public Health. Dr. Inglesby is also a Professor in the Department of Environmental Health and Engineering in the Johns Hopkins Bloomberg School of Public Health, with a Joint Appointment in the Johns Hopkins School of Medicine.

Dr. Inglesby's work is internationally recognized in the fields of public health preparedness, pandemic and emerging infectious disease, and prevention of and response to biological threats. He was Chair of the Board of Scientific Counselors for the Center for Preparedness and Response at the US Centers for Disease Control and Prevention (CDC) from 2010 to 2019. He was Chair of the National Advisory Council of the Robert Wood Johnson Foundation's National Health Security Preparedness Index. He was also a member of the CDC Director's External Laboratory Safety Workgroup, which examined biosafety practices of the CDC, the National Institutes of Health, and the Food and Drug Administration following high-profile laboratory incidents in federal agencies. He has served as advisor to US Department of Health and Human Services (HHS), US Department of Defense, and US Department of Homeland Security on preparedness and response issues, and he has testified before Congress on many occasions. He has served on a range of committees and panels of the National Academies of Sciences, Engineering, and Medicine.

During the COVID-19 pandemic, Dr. Inglesby has provided technical guidance to response efforts at the global, federal, state, and local level. He has given analysis and expert testimony to policymakers, business leaders, and health organizations on public health interventions needed to control the pandemic. Dr. Inglesby served as Senior Advisor on the White House COVID-19 Response Team. In 2020, he served on the Biden-Harris transition team reviewing HHS and advising on COVID-19 policy. In 2021, Dr. Inglesby served as Senior Policy Advisor for the COVID-19 response in the Office of the U.S. Health and Human Services Secretary. Dr. Inglesby served on the Maryland Governor's COVID-19 Response Advisory Committee, the COVID Collaborative's National Advisory Council, and as a commissioner on the National Commission on COVID-19 and Criminal Justice.

Dr. Inglesby completed his internal medicine and infectious diseases training at Johns Hopkins University School of Medicine, where he also served as Assistant Chief of Service. Dr. Inglesby received his MD from Columbia University College of Physicians and Surgeons and his BA from Georgetown University.

Rachel LEVINSON, MA



A twenty five-year veteran of science policy at the national level, Rachel Levinson is the Executive Director of National Research Initiatives for ASU, operating in the University's Washington D.C. office and reporting to the Vice President for Research Development. Rachel is responsible for development of relationships, intelligence and strategies that advance the University's research agenda and connect faculty with appropriate federal agencies. Prior to coming to ASU, Levinson was with the Office of Science and Technology Policy in the Executive Office of the President of the United States, where she was the assistant director for life sciences, while on detail from the Office of the Director of the National Institutes of Health. Levinson earned her BS (Zoology) from the University of Maryland at College Park, and her MA (Science, Technology and Public Policy) from George Washington University.

Gerald W. PARKER, Jr., DVM, PhD



Dr. Parker is the Associate Dean for Global One Health at the College of Veterinary Medicine & Biomedical Sciences and Director of the Pandemic Preparedness and Biosecurity Policy Program at the Bush School of Government Service at the Scowcroft Institute for International Affairs within the Bush School of Government & Public Service.

Dr. Parker is a member of several advisory boards, including the Texas Task Force on Infectious Disease Preparedness and Response and the Expert Vaccine Allocation Panel for the Texas Department of State Health Services, and an ex officio member of the Bipartisan Commission for Biodefense and the National Science Advisory Board for Biosecurity at the National Institutes of Health. Dr. Parker also served as a senior advisor to the Assistant Secretary for Preparedness and Response at the Department of Health and Human Services from August 2020 to February 2021.

Prior to his appointment to Texas A&M University, Dr. Parker held technical to executive leadership positions throughout 36 years of public service as a recognized defense and civilian interagency leader in biodefense, high consequence emerging infectious diseases, global health security, and all-hazards public health/medical preparedness. This included coordinating federal medical/public health responses to Hurricanes Katrina thru Alex, the 2009 H1N1 pandemic, and the Haiti earthquake. Dr. Parker's service includes more than 26 years on active duty leading military medical research and development programs and organizations. He is a former Commander and Deputy Commander, US Army Medical Research Institute of Infectious Diseases. Dr. Parker held senior executive level positions at the Department of Homeland Security, the Department of Health and Human Services (HHS), and the Department of Defense (DoD), including serving as the Principal Deputy Assistant Secretary for Preparedness and Response at HHS, and Deputy Assistant Secretary of Defense for Chemical and Biological Defense at DoD.

Dr. Parker is a 2009 recipient of the Distinguished Executive Presidential Rank Award, the Secretary of Defense Medal for Meritorious Civilian Service in 2013, and the Senator Melcher Leadership in Public Policy Award from the Association of American Veterinary Medical Colleges in 2019. Dr. Parker graduated from Texas A&M's College of Veterinary Medicine, Baylor College of Medicine Graduate School of Biomedical Sciences, and the Industrial College of the Armed Forces.

Matthew SHEARER, MPH



Mr. Shearer is an Associate Scholar at the Johns Hopkins Center for Health Security and a Senior Research Associate in the Department of Environmental Health and Engineering at the Johns Hopkins Bloomberg School of Public Health. His primary research and practice interests include infectious disease outbreak and epidemic response, healthcare and public health resilience for high-consequence infectious disease events, biological weapons nonproliferation policy, and exercise development and implementation.

Mr. Shearer contributes to a broad scope of domestic and international Center projects, including numerous efforts associated with the COVID-19 pandemic, and he was an integral part of developing and implementing the Clade X and Event 201 pandemic exercises.

Mr. Shearer's domestic work focuses principally on outbreak and epidemic response policy and operations. He has served as Project Manager for Outbreak Observatory since its inception in 2017. Outbreak Observatory aims to capture and disseminate operational lessons from outbreak responses, based on the firsthand experience of frontline responders, in order to improve domestic and global public health and healthcare preparedness. As part of Outbreak Observatory, he has completed studies on the public health response to domestic hepatitis A and measles epidemics and the operational impact of seasonal influenza on hospitals and health systems. He also contributed to Center projects on US healthcare operations, including in high-level isolation units and monitoring and movement restriction policies in response to the 2014–2016 West Africa Ebola epidemic as well as communications and operations for medical countermeasures distribution and dispensing.

Mr. Shearer also has a diverse international portfolio, ranging from national-level public health and preparedness capacity to regional natural, accidental, and deliberate biological threats to biological weapons nonproliferation policy. He has participated in multiple collaborations with the Taiwan Centers for Disease Control (Taiwan CDC), including an analysis of Taiwan CDC's seasonal influenza mass vaccination program and as a member of the External Assessment Team for Taiwan's 2016 Joint External Evaluation. He also developed and conducted biosecurity, outbreak response, and exercise development and implementation training for private sector clinicians and other health experts in Iraq. He is currently leading research to develop policy guidance for elected and appointed officials on the use of nonpharmaceutical interventions for emerging outbreaks and epidemics.

Mr. Shearer leads much of the Center's work on the Biological and Toxin Weapons Convention (BWC). He helped conceive and direct the Global Forum on Scientific Advances Important to the BWC, which convenes an international group of technical and policy experts to inform BWC delegations on emerging and future capabilities in biotechnology and other scientific fields with potential impact on BWC policy and implementation. He supported the BWC Implementation Support Unit in hosting a series of regional workshops with Association of Southeast Asian Nations States Parties, including the development of a tabletop exercise scenario. He is currently leading a study to identify assurance mechanisms to increase the degree of certainty that States Parties are meeting their BWC obligations and support BWC implementation.

Prior to joining the Center, Mr. Shearer worked at local public health departments in Michigan and California, developing and implementing medical countermeasures distribution and dispensing exercises, updating communicable disease response protocols, conducting infectious disease surveillance and outbreak investigations, and supporting emergency preparedness activities, including returning traveler monitoring and other Ebola-related preparedness efforts.

Mr. Shearer earned an MPH in epidemiology from the University of Michigan in 2014 and a BS in aerospace engineering from the United States Naval Academy in 2007.

Benjamin WAKEFIELD, MSc



Mr. Wakefield is a Senior Analyst at the Johns Hopkins Center for Health Security and a Research Associate at the Johns Hopkins Bloomberg School of Public Health. His primary research interests include biosecurity, health emergency preparedness and response, civil-military relations, the biological and chemical aspects of CBRN non-proliferation, and preparedness and response to deliberate events.

Mr. Wakefield's work at the Center focuses on international biological security issues and understanding, developing, and improving health emergency preparedness for natural, accidental, and deliberate events. This includes working with the World Health Organization (WHO) and other partners to develop and implement best practice for civil-military collaboration as part of health emergency preparedness, as well as newly developing work related to deliberate biological events.

Prior to joining the Center, Mr. Wakefield spent 5 years at the Royal Institute of International Affairs (Chatham House) in London, United Kingdom, where he was a Research Fellow in the Global Health Programme. His work at Chatham House was at the intersection of public health and national security and focused on biosecurity and health security. He has experience working in Nigeria and Ghana and has worked directly with the WHO, the World Organisation for Animal Health (WOAH), the Africa Centres for Disease Control (Africa CDC), the Global Partnership against the Spread of Weapons and Materials of Mass Destruction (GP), and several other governmental and nongovernmental health and security actors across Nigeria, Ghana, Sierra Leone, Canada, the US, the UK, and others.

Mr. Wakefield co-authored the [Chatham House Sustainable Laboratories Prior Assessment Tool](#) as part of a long-term biosecurity project on improving the sustainability of laboratories in low-resource settings and worked with the GP and UK Government Foreign, Commonwealth and Development Office at Wilton Park on mitigating deliberate biological threats. Mr. Wakefield also ran awareness-raising courses on biological threats and bioterrorism in Morocco, lectured on biological threats and health emergencies in the Chatham House Summer School, and contributed to the ongoing revision of the 2004 Public Health Response to Biological and Chemical Weapons: WHO Guidance.

Mr. Wakefield was an Emerging Leader in Biosecurity (ELBI) Fellow at Johns Hopkins University Center for Health Security in 2020 and 2021, a 2020 OSCE-UNODA Peace and Security Scholar, and an associate member of the Global Violence Prevention special interest group at the Faculty of Public Health, UK. He has a multidisciplinary background in international relations and holds an MSc in security studies from the Department of Political Science, School of Public Policy, at University College, London. He also holds a BA (Hons) in international relations from Loughborough University and a Diploma of international studies from the University of Technology, Sydney.

Mr. Wakefield is primarily based in London, UK, but spends time in the US in Baltimore, MD, and Washington, DC.

Guest Speakers

Andrew P. HOLLANDS



Mr. Hollands is the Indo-Pacific Division Chief for the Biological Threat Reduction Program of DoD's Cooperative Threat Reduction Directorate at the Defense Threat Reduction Agency. Mr. Hollands has led Biological Threat Reduction programs for the past 10 years, as a division chief and program manager in the Indo Pacific and Africa regions. Mr. Hollands has led efforts to strengthen laboratory and field biosurveillance capacity across both regions. In addition, Mr. Hollands established training and policy development efforts to elevate country capabilities in biosafety and biosecurity for better alignment with international guidelines and threat reduction goals. Prior to BTRP, Mr. Hollands worked at Booz Allen Hamilton, providing program management support to the Department of Homeland Security, Science and Technology, Chemical and Biological Defense research and international programs for national defense. Mr. Hollands holds a Bachelor's degree in Biochemistry.

MAJ Ryan MIKUS, USAF



Maj Ryan E. Mikus is an International Program Manager for the Biological Threat Reduction Program (BTRP), Defense Threat Reduction Agency (DTRA), Fort Belvoir, Virginia. He manages the execution of the biological threat reduction Indo-Pacific division regional portfolio mission in efforts to protect the United States, its Armed Forces, and its allies by strengthening the capabilities of partner nations, and the international community to prevent, detect, and prepare for outbreaks caused by biological pathogens. As program manager, he leads key biological reduction engagements with the Republic of Korea and their non-governmental organizations.

Major Mikus attended the University of North Carolina at Charlotte where he received his Bachelor of Science in Mechanical Engineering. Following his commissioning in May 2009 through the Reserve Officer Training Corps, Major Mikus began his Air Force career at Wright-Patterson Air Force Base where he performed duties at the F-22 Systems Program Office leading the F-119 engine integration product team and Wet Weather operations mitigation team. He then performed duties as Executive Officer for the Director of Staff at the Air Force Research Laboratory (AFRL) where he led the planning, administrative, and personnel activities for a 10,100-member organization. He later led the standup of a geographically separated unit at Arnold AFS, Tenn. AFRL's first at this location; enabling scientists and engineers to use the Nation's premier high-speed wind tunnels for hypersonic engine vehicle research and design.

At Eglin Air Force base, he held Flight Commander and Assistant Director of Operations positions within the 68th Electronic Warfare Squadron under Air Combat Command, providing mission data software to the Air Forces of our allies and NATO, enabling F-4, F-15, F-16 and E-3 AWACS aircraft to be formidable in the 21st-century fight.

Prior to his move to Fort Belvoir, Va., Major Mikus was stationed at Vandenberg Space Force Base California. He led a four-member team as the lead on-site system program office engineer and Officer-in-Charge under the Air Force Nuclear Weapon Center. He supported four operational test launches per year verifying and validating, through demonstration, the Nation's land-leg of the nuclear triad, ensuring that the Minuteman III weapon system is safe, secure, reliable, effective.

Maj Mikus is DUAIA certified in Level III Test and Evaluation, Level III Science and Technology, Level II Engineering, and Level I Program Manager.

Kazunobu KOJIMA, MD, PhD



Dr. Kojima has been in service to WHO for more than 20 years, starting from Western Pacific Regional Office in Manila for the polio eradication initiative, and moved to WHO Headquarters in Geneva as the Medical Officer responsibility for biosafety and biosecurity, including variola virus (smallpox) repository inspection and transportation of infectious substances. He is currently in the Epidemic and Pandemic Preparedness and Prevention Department at WHO.

Dr Kojima graduated from Hokkaido University School of Medicine, Japan and obtained PhD from Sapporo Medical University in infectious disease epidemiology, where he was an Assistant Professor. His publications include WHO Laboratory Biosafety Manual 4th edition (LBM4) and WHO guidance on implementing regulatory requirements for biosafety and biosecurity.