



**PMAC** | PRINCE MAHIDOL  
AWARD CONFERENCE **2022**

**S6**

**PANDEMIC PREPAREDNESS AND RESPONSE: STOPPING THE NEXT  
OUTBREAK BEFORE IT BECOMES A PANDEMIC**

## | BACKGROUND

Despite years of planning and investment since the 2005 International Health Regulations were published by WHO, the COVID-19 pandemic exposed how remarkably unprepared the world was to control the spread and recover from the effects of SARS-CoV-2. Among several analyses of what went wrong with the response, in May 2021, The Independent Panel for Pandemic Preparedness & Response issued a comprehensive main report of its findings and recommendations for action to curb the COVID-19 pandemic and to ensure that any future infectious disease outbreak does not become another catastrophic pandemic.

This PMAC-2022 parallel session will address some elements central to stopping the next outbreak before it becomes a pandemic. Panelists will be asked to identify enabling factors and likely barriers; and to address specific action steps to achieve the goal of preventing another pandemic.

Key themes are:

1. Investing in preparedness and coordination now to prevent or mitigate the next crisis
2. The future of broadly-acting antiviral agents and universal vaccines for coronaviruses, influenza and other high-consequence infectious agents
3. Building global manufacturing capacity for rapid antiviral and vaccine production, including mRNA-based vaccines, towards full global access
4. Establishing a pre-negotiated global platform for access to vaccines, tools and supplies

## | OBJECTIVES

To identify enabling factors and likely barriers; and to illuminate specific action steps to achieve the goal of preventing another pandemic.



Moderator

## Timothy Mastro

*Chief Science Officer*

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Timothy D. Mastro, MD, FACP, DTM&H

Dr. Timothy Mastro is Chief Science Officer at FHI 360, Durham, North Carolina, USA. He is also Adjunct Professor of Epidemiology in the Gillings School of Global Public Health, University of North Carolina at Chapel Hill.

Dr. Mastro oversees FHI 360's research and science-based programs conducted in the United States and through FHI 360's offices in 50 countries around the world. He joined FHI 360 in 2008 following 20 years in scientific leadership positions at the US Centers for Disease Control and Prevention (CDC). Dr. Mastro joined CDC in 1988 as an Epidemic Intelligence Service (EIS) Officer. His work has addressed research and programs on COVID-19, HIV treatment and prevention; TB; STIs; infectious diseases; reproductive health; clinical trials of HIV vaccines and prevention methods; and health systems strengthening.

During 1993-2000, Dr. Mastro served in Bangkok as Director of the Thai Ministry of Public Health - US CDC Collaboration (TUC). He began his international public health career on the Thai-Cambodian border during 1983-85, where he served as a physician and medical coordinator of the United Nations Border Relief Operation providing health services for a large population of displaced Cambodians.

Dr. Mastro has authored 200 published articles and book chapters and has served on several committees for the World Health Organization, UNAIDS, PEPFAR and the US National Institutes of Health. Dr. Mastro trained in internal medicine in New York City at Metropolitan Hospital and Mount Sinai School of Medicine. He studied at the London School of Hygiene and Tropical Medicine and received a DTM&H from the Royal College of Physicians of London. He is certified by the American Board of Internal Medicine, a fellow of the American College of Physicians, and a member of the American Epidemiological Society.

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