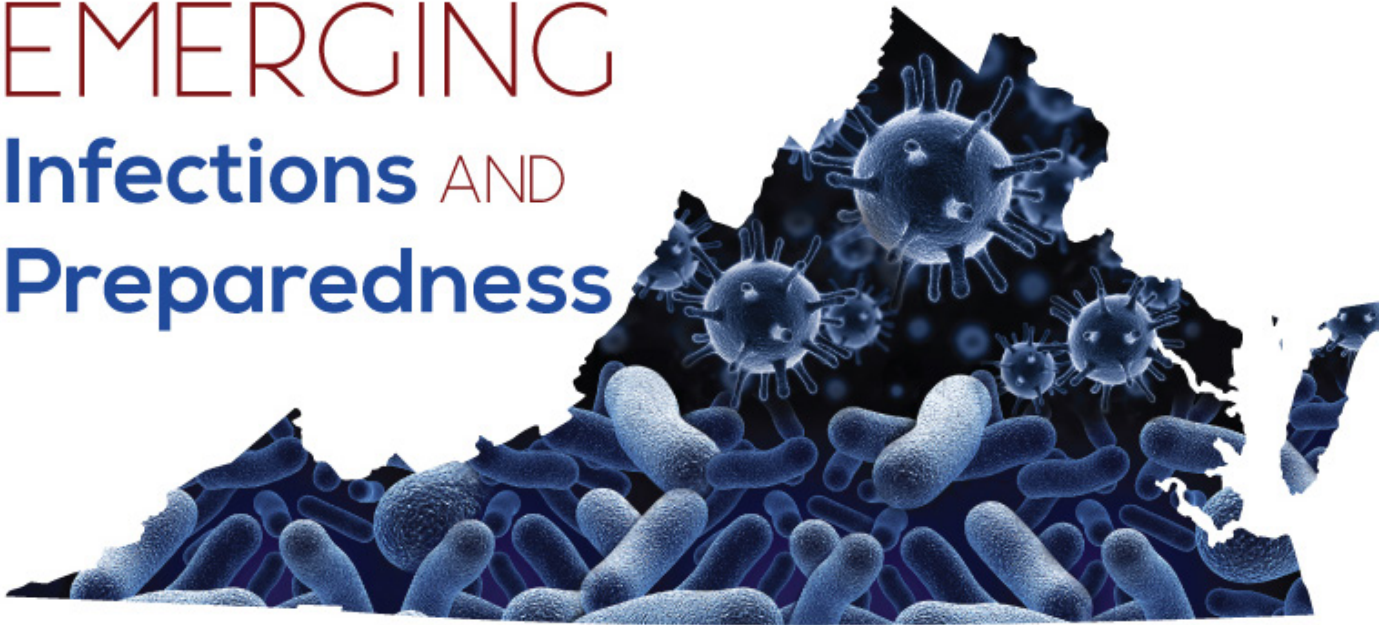


EMERGING Infections AND Preparedness



2017 SUMMIT OF THE VIRGINIA ACADEMY OF
SCIENCE, MEDICINE, AND ENGINEERING // **OCTOBER**
29-30, 2017



VIRGINIA ACADEMY OF
SCIENCE, ENGINEERING AND MEDICINE

www.vasem.org

National Academy of Sciences
2101 Constitution Ave NW
Washington, DC 20418

Summit Host
The Honorable Mark R. Warner, U.S. Senator

Organizing Committee
Chair, X.J. Meng, M.D., Ph.D., NAS
Florence Haseltine, M.D., NAM
Robert M. Carey, M.D., NAM
Patricia Dove, Ph.D., NAS

Contact: Andrew Densmore, Executive Director
adensmore@vasem.org
(540) 598-7693

Sunday, October 29

5:00 PM - 7:30 PM SUMMIT RECEPTION AND POSTER SESSION
Great Hall, National Academy of Sciences

Monday, October 30

7:00 am REGISTRATION AND BREAKFAST
Great Hall, National Academy of Sciences

7:45 am WELCOME REMARKS

Patricia Dove, Ph.D., President of VASEM

X.J. Meng, M.D., Ph.D., 2017 Summit Chair

Marcia McNutt, Ph.D., President of National Academy of Sciences

8:15 – 8:45 am EMERGING INFECTIONS, FROM WHERE DO THEY COME?

Jennifer McQuiston, DVM, MS, Captain of U.S. Public Health Service; Deputy Director, Division of High Consequence Pathogens and Pathology, National Center for Emerging and Zoonotic Infectious Diseases, Center for Disease Control and Prevention, Atlanta, GA

8:45 – 9:15 am ZIKA: HISTORY, EMERGENCE, AND PREPAREDNESS

Ann Powers, Ph.D., Chief of Alphavirus Laboratory, Division of Vector-Borne Diseases, Arboviral Disease Branch, Center for Disease Control and Prevention-Ft Collins, CO

9:15 – 9:45 am COFFEE BREAK AND NETWORKING

9:45 – 10:15 am DRUG-RESISTANT SUPERBUGS, A MAJOR EMERGING THREAT

Amy J. Mathers, M.D., Associate Professor and Medical Director Antimicrobial Stewardship, University of Virginia School of Medicine

10:15 – 10:45 am BIOTERRORISM AND PREPAREDNESS

Rick A. Bright, Ph.D., Director of Biomedical Advanced Research and Development Authority (BARDA); Deputy Assistant Secretary in the Office of the Assistant Secretary for Preparedness and Response, U.S. Department of Health and Human Services

10:45 – 11:15 am ENVIRONMENTAL ENGINEERING TO FORECAST TRANSMISSION OF PATHOGENS

Linsey Marr, Ph.D., Professor, Virginia Tech Department of Civil and Environmental Engineering

Monday, October 29

- 11:15 – 11:45 pm MEASLES: RE-EMERGENCE OF AN OLD THREAT
Diane E. Griffin, M.D., Ph.D., University Distinguished Service Professor, Johns Hopkins University Bloomberg School of Public Health
- 11:45 am - 12:15 pm REMARKS
William A Hazel, Jr, M.D., Secretary of Health and Human Resources, Commonwealth of Virginia
- 12:15 – 1:00 pm LUNCH AND KEYNOTE ADDRESS:
EMERGING INFECTIOUS DISEASES: LEARNING FROM THE PAST AND PREPARING FOR THE FUTURE
Anthony Fauci, M.D., Director, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD
- 1:00 – 1:30 pm REMARKS
Timothy D. Sands, PhD, President of Virginia Tech
The Honorable Mark R. Warner, U.S. Senator and Co-host of the Summit
- 1:30 -2:00 pm THE WEST AFRICAN EBOLA EPIDEMICS AND EMERGENCE OF OTHER FILOVIRUSES
Jonathan S. Towner, PhD., Head of Virus Host Ecology Section, National Center for Emerging and Zoonotic Infectious Diseases, Center for Disease Control and Prevention, Atlanta, GA
- 2:00 – 2:30 pm ENGINEERING PATHOGEN-RESISTANT MOSQUITOES
Zach Adelman, Ph.D., Associate Professor, Department of Entomology, Texas A&M University
- 2:30 – 3:00 pm HIV/AIDS: WILL THERE EVER BE A VACCINE?
John R. Mascola, M.D., Director, Vaccine Research Center, National Institutes of Health, Bethesda, MD
- 3:00 – 3:30 pm NOVEL BIOSENSOR TECHNOLOGIES TO DETECT EMERGING AND BIOTERRORISM PATHOGENS
Andrew Flannery, Ph.D., Director of New Products, PathSensors Inc
- 3:30 pm SUMMIT ENDS