Forum on Microbial Threats
BOARD ON GLOBAL HEALTH
INSTITUTE OF MEDICINE
THE NATIONAL ACADEMIES

Pandemic Influenza: Assessing Capabilities for Prevention and Response
June 16 – June 17, 2004

THE NATIONAL ACADEMIES
LECTURE ROOM
2101 CONSTITUTION AVENUE, NW (C STREET ENTRANCE)
WASHINGTON, D.C.

AGENDA

WEDNESDAY, JUNE 16, 2004

8:00   Continental Breakfast

8:30   Welcome and Opening Remarks
   Adel Mahmoud, M.D., Ph.D.
   Chair, Forum on Microbial Threats
   President, Merck Vaccines

8:35   Keynote Address: John M. Barry, Distinguished Visiting Scholar, The Center for Bioenvironmental Research at Tulane and Xavier Universities, and Author of The Great Influenza: The Epic Story of the Deadliest Plague in History

PLANNING AND PREPAREDNESS FOR PANDEMIC INFLUENZA

Session I: Global and National Preparedness Strategies

Moderator: Adel Mahmoud, M.D., Ph.D., Chair, Forum on Microbial Threats/President, Merck Vaccines

9:05-9:35   WHO: Priority Public Health Interventions Before and During an Influenza Pandemic
   Klaus Stöhr, D.V.M., Department of Communicable Disease Surveillance and Response, The World Health Organization

9:35-10:05  US Government Preparedness Plan
   Bruce Gellin, M.D., Office of the Secretary, Department of Health and Human Services

10:05   —Q&A/Open Discussion—

10:30   BREAK
Session II: Response and Discussion of Preparedness Planning

Moderator: Stanley Lemon, M.D., Vice Chair, Forum on Microbial Threats/Dean of Medicine, The University of Texas Branch at Galveston

10:45  Panel Discussants:  
- Arlene King, M.D. (invited), Health Canada  
- Nancy Cox, Ph.D., Chief, Influenza Branch, CDC and Director, WHO Collaborating Centre for Influenza Reference and Research  
- Dennis Perrotta, Ph.D., State Epidemiologist, Texas  
- Peter Shult, Ph.D., Director, Communicable Disease Division and Emergency Laboratory Response, Wisconsin State Laboratory

11:15  --Open Discussion—

12:00  LUNCH

Session III: Obstacles and Opportunities for Optimal Preparedness

Moderator: Gary Roselle, M.D., Program Director for Infectious Diseases, Department of Veterans Affairs Central Office

1:00-1:20  Partnering with the Private Medical System  
TBD

1:20-1:35  Discussion

1:35-1:55  Vaccine Development and Production Issues  
Philip Hosbach, Vice President of New Products and Immunization Policy, Aventis Pasteur

1:55-2:10  Discussion

2:10-2:30  Ensuring an Adequate Stockpile of Antivirals  
Paul Brown, Ph.D., Roche Pharmaceuticals, Basel, Switzerland

2:30-2:45  Discussion

2:45-3:05  Chasing the Elusive Virus: Preparing for the Future by Examining the Past  
Jeffrey Taubenberger, M.D., Chief of Molecular Pathology, Armed Forces Institute of Pathology

3:05-3:20  Discussion

3:20  BREAK

Session IV: Panel Discussion—Innovating Past Barriers

3:30  Moderator: Joshua Lederberg, Ph.D., Nobel Laureate, Sackler Foundation Scholar, Rockefeller University

3:30-3:45  Strategies for control of influenza by targeting broadly conserved viral features: Suzanne Epstein, Ph.D., Center for Biologics Evaluation and Research, US Food and Drug Administration

3:45-4:00  Mathematical Modeling: Containing pandemic influenza with vaccines and antivirals: Ira Longini, M.D., Emory University

4:00-4:15  “Insuring” for a Better Response: Martin Meltzer, Ph.D., National Center for Infectious Diseases, U.S. Centers for Disease Control and Prevention

4:15-4:30  Coordination between the Public and Private Sectors: Jonathan B. Perlin, MD, PhD, MSHA, FACP, Acting Under Secretary for Health, Department of Veterans Affairs

---Open Discussion---</n
5:30  Adjournment of the first day
THURSDAY, JUNE 17, 2004

BATTING NATURE’S TERRORIST: SCIENTIFIC AND PUBLIC HEALTH TOOLS

8:00     Continental Breakfast

8:30     Opening Remarks / Summary of Day 1
         Stanley Lemon, M.D.
         Vice Chair, Forum on Emerging Infections

Session V: Methods for the Prevention and Containment of Pandemic Influenza

Moderator: Carole Heilman Ph.D., Director, Division of Microbiology and Infectious Diseases, NIAID, NIH

8:45-9:15  A Report from the Field: The 2003/2004 H5N1 Outbreak
         Robert Webster, Ph.D. Rose Marie Thomas Professor and Chair, Department of Infectious Diseases, St. Jude’s Children’s Research Hospital, Memphis, TN

9:15-10:15 Discussion Panel:
              Amin Soebandrio, M.D., Ph.D., Asst. Deputy Minister for Medical and Health Services, Ministry of Research and Technology, Indonesia
              Nguyen Tien Dzung, Ph.D., Head of Virology, Ministry of Agriculture and Rural Health Development, Vietnam
              Chantanee Buranathai, D.V.M., Ph.D., Chief, Division of Veterinary Epidemiology, Department of Livestock Development, Thailand
              Malik Peiris, Ph.D. (videoconference) Department of Microbiology, University of Hong Kong, China

10:15-10:40 Strategies for Preventing and Controlling Avian Influenza and its Transmission within the Bird and Animal Population
         Dewan Sibartie, D.V. M., Ph.D., Scientific and Technical Department, Office International des Épizooties (OIE)

10:40-11:45 Discussion Panel:
              Guus Koch, D.V.M., Central Veterinary Institute, Netherlands
              David Swayne, D.V.M., Ph.D., Laboratory Director and Research Leader, Southeast Poultry Research Laboratory, Agricultural Research Service, USDA
              Carol Cardona, D.V.M., Ph.D., Poultry Extension Veterinarian, University of California-Davis
              Laurence Tiley, Ph.D., Centre for Veterinary Science, University of Cambridge, UK

11:45     BREAK

12:00-12:25 Enhancing Influenza Surveillance: From the Global to the Local Perspective
         Nancy Cox, Ph.D., Centers for Disease Control and Prevention

12:25-1:00 Discussion

1:00     LUNCH

Session VI: Panel Discussion—Priorities for Improving Preparedness

Moderator: Frederick Sparling, M.D., Professor of Medicine, Microbiology, and Immunology, University of North Carolina

2:00     Panel Discussants:
         2:00-2:20  Pandemic Influenza and Mortality: Past Evidence and Projections for the Future
                     Lone Simonsen, Ph.D., NIAID, NIH
         2:20-2:40  Increasing Awareness and Uptake of Influenza Immunization. Glen Nowak, Ph.D.,
                     Associate Director for Health Communications, National Immunization Program, CDC
2:40-3:00 Public Communication Strategies to Remedy Panic in a Pandemic: Monica Schoch-Spana, Ph.D., Center for Biosecurity, University of Pittsburgh Medical Center

3:00-3:20 Preparing the Legal System for Pandemic Influenza: Larry Gostin, J.D. Center on Law and the Public’s Health, Georgetown University

3:20 --Open Discussion--

5:00 Closing Remarks/ Adjourn

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DISCUSSANTS-AT-LARGE

David Bell, M.D., Senior Medical Officer, Office of the Director, National Center for Infectious Diseases, Centers for Disease Control and Prevention (United States)

Timothy Booth, M.D., Director, Viral Diseases Division, National Microbiology Laboratory, Health Canada, Canadian Science Centre for Human and Animal Health, Winnipeg, Ontario

Michael Callahan, Partners in Health, Boston

Kathy Coehling, Ph.D., MedImmune Vaccines, Mountain View, California

William M. Egan, Ph.D., Acting Director, Office of Vaccines, Center for Biologics Evaluation and Research, U.S. Food and Drug Administration

Geoffrey Evans

David Fedson, M.D., Sergy Haut, France

Aldolfo Garcia-Sastre, Ph.D., Associate Professor, Department of Microbiology, Mount Sinai School of Medicine, New York

Kathleen F. Gensheimer, M.D., M.P.H., State Epidemiologist and Director, Medical Epidemiology Section, Maine Bureau of Health, Department of Human Services

Robert A. Heckert, D.V.M., Ph.D.

Charles Hoke, M.D., Walter Reed Army Institute of Research, U.S. Army Medical Research and Materiel Command

Yanzhong Huang, Ph.D., Assistant Professor and Director, Center for Global Health Studies, John C. Whitehead School of Diplomacy and International Relations, Seton Hall University

George Kemble, Ph.D., MedImmune Vaccines, Mountain View, California

Richard F. Kingham, J.D., Partner, Covington and Burling, Washington, D.C. and London

Roland Levandowski, Center for Biologics Evaluation and Research, U.S. Food and Drug Administration

David J. Lipman, M.D., Director, National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health (United States)

Nina Marano, D.V.M., M.P.H., Dipl. ACVPM, Associate Director for Veterinary Medicine and Public Health, National Center for Infectious Diseases, Centers for Disease Control and Prevention (U.S.)

James T. Matthews, Ph.D., Director, External Research and Development, Aventis Pasteur Group, Swiftwater, Pennsylvania

Martin I. Meltzer, M.S., Ph.D., National Center for Infectious Diseases, Centers for Disease Control and Prevention (United States)

Mark Miller, M.D., Division of International Epidemiology and Population Studies, Fogarty International Center, National Institutes of Health, Bethesda, Maryland

Arnold Monto, M.D., Professor of Epidemiology, Director of the University of Michigan Bioterrorism Preparedness Initiative, School of Public Health, University of Michigan, Ann Arbor

Stuart Nightingale, M.D., Office of the Assistant Secretary for Public Health Emergency Preparedness, U.S. Department of Health and Human Services

Tara O’Toole, M.D., M.P.H., Center for Biosecurity, University of Pittsburgh Medical Center

Michael Perdue, Ph.D., Research Leader, Environmental Microbial Safety Laboratory, Animal & Natural Resources Institute, Agricultural Research Service, U.S. Department of Agriculture

Sara Radcliffe, M.P.H., Biotechnology Industry Organization (BIO)


Eve Slater, M.D., Former Assistant Secretary for Health, U.S. Department of Health and Human Services

Rick Smith, M.D., Office of Special Programs, Healthcare Emergency Preparedness, Health Resources and Services Administration, U.S. Department of Health and Human Services
Kanta Subbarao, Ph.D.
Susan C. Trock, D.V.M., M.P.H., DACVPM (Epi) New York State Department of Agriculture and Markets
George Watts,