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

Learning from SARS: Preparing for the Next Disease Outbreak

September 30 – October 1, 2003

***Please note the non-Academies facility location***
SMITHSONIAN S. DILLON RIPLEY CENTER
1100 JEFFERSON DRIVE, SW
Room 3111
WASHINGTON, DC

AGENDA

TUESDAY, SEPTEMBER 30, 2003

8:30 Continental Breakfast
9:00 Welcome and Opening Remarks
   Adel Mahmoud, M.D., Ph.D.
   Chair, Forum on Emerging Infections
   President, Merck Vaccines

RECAPPI NG THE EVENTS: EXPERIENCES FROM THE FIELD

Session I: The Evolution of the Outbreak

Moderator: Harvey Fineberg, President, Institute of Medicine

9:15-9:40 CHINA: The Epicenter
   Yi Guan, M.D., Ph.D., The University of Hong Kong, Queen Mary Hospital
9:40-10:00 Discussion

10:00-10:25 SARS: Lessons from Toronto
   Don Low, M.D., FRCPC., Toronto Medical Laboratories, Mt. Sinai Hospital, Toronto
10:25-10:45 Discussion

10:45-11:10 WHO: The Global Response
   David Heymann, M.D., World Health Organization, Geneva
11:10-11:30 Discussion

11:30 BREAK
### Session II: Discussion Panel

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

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| 11:45 | Discussants: **Reporting Tools and Surveillance Networks:** Ann-Marie Kimball, M.D., M.P.H., School of Public Health and Community Medicine, University of Washington  
**International Coordination and Collaboration:** Ray Arthur, Ph.D., National Center for Infectious Diseases, Global Health, CDC *(Invited)*  
**Animal Coronaviruses--Lessons from SARS:** Linda Saif, Ph.D., Ohio Agricultural Research Center, Ohio State University |
| 12:30 | Open Discussion |
| 1:00  | Lunch |

### Session III: The Spectrum of Consequences and Responses

**Moderator:** James Hughes, M.D., NCID, CDC

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| 2:00-2:25  | **Economic Impacts**  
Warwick McKibbin, Ph.D., Australian National University |
| 2:25-2:45  | Discussion |
| 2:45-3:10  | **The Implications of SARS Epidemic for China’s Public Health Infrastructure and Political System**  
Yanzhong Huang, Ph.D., Seton Hall University, Whitehead School of Diplomacy and International Relations, Center for Global Health Studies |
| 3:10-3:30  | Discussion |
| 3:30-3:55  | **Quarantine and Containment Strategies**  
Marty Cetron, M.D., National Center for Infectious Diseases, CDC |
| 3:55-4:15  | Discussion |
| 4:15-4:40  | **Impact of Severe Acute Respiratory Syndrome (SARS) on Health care Systems and Strategies for Combating Future Outbreaks of Emerging Infectious Diseases**  
ASM Abdullah, M.D., Ph.D., Department of Community Medicine, University of Hong Kong *(Invited)* |
| 4:40-5:00  | Discussion |

### Session IV: Open Discussion

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

**Open Discussion**

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<td>6:00</td>
<td>Adjournment of the first day</td>
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**************Reception, Immediately Following Until 7 pm**************
WEDNESDAY, OCTOBER 1, 2003

8:30   Continental Breakfast
9:00   Opening Remarks / Summary of Day 1
       Stanley Lemon, M.D.
       Vice Chair, Forum on Emerging Infections

LEARNING FROM OUR LESSONS: THE AGENDA AHEAD

Session V: The Research Agenda and Emerging Technologies

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

9:15-9:40   Coronavirus Research
            Mark Denison, M.D., Vanderbilt University
9:40-10:00  Discussion

10:00-10:25 Detection/Diagnostics
           Rangarajan Sampath, Ph.D., DARPA/TIGER Sensor Development Team
10:25-10:45 Discussion

10:45-11:20 Pharmaceutical Approaches to Antiviral Drug Development
            Amy Patick, Ph.D. and Peter Dragovich, Ph.D., Pfizer Inc.
11:20-11:30 Discussion

11:30  BREAK

11:45-12:10 Vaccines: Can we prevent the unexpected?
             Alan Shaw, Ph.D., Merck Research Laboratories
12:10-12:30 Discussion

12:30-12:50 SARS: Clearing the Air
             Jerome Schentag, Pharm.D., State University of New York-Buffalo
12:50-1:00  Discussion

1:00   LUNCH

Session VI: Panel Discussion—Preparing for the Next Disease Outbreak

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

2:00   Discussants: The Quest to Define and Control SARS: Robert Breiman, M.D., Centre for Health and Population Research, Dhaka, Bangladesh
       Regulatory Laboratory Planning/Preparedness: Kathryn Carbone, M.D., Center for Biologies, Food and Drug Administration
       Future Threats Assessment: Karen Monaghan, NIC, National Intelligence Council Report
       Public Health Law: Gene Matthews, J.D., Legal Advisor to CDC
       Modeling a Response Strategy: Nathaniel Hupert, M.D., M.P.H., Weill Cornell Medical College
       Face to Face w/ Influenza: Robert Webster, Ph.D., St. Jude Children’s Research Hospital

3:30  Open Discussion

5:00  Closing Remarks/ Adjourn