

First Meeting of the National Science Advisory Board for Biosecurity

June 30 – July 1, 2005

Hyatt Regency Bethesda
7400 Wisconsin Ave.
Bethesda, Maryland, 20814 USA
Hotel Phone: 301-657-1234

Agenda

Webcast: To watch the live webcast of the meeting, [click here](#). The webcast can only be viewed when the meeting is in session at 8:00am-6:00pm on June 30 and at 8:00am-1:30pm on July 1 Eastern Time.

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Presentation slides: To access the following PowerPoint presentations, click on the presentation titles below.

June 30, 2005

Opening Remarks and Swearing in Ceremony

Elias Zerhouni, M.D.
Director of the National Institutes of Health (NIH)

Chair's Remarks and Agenda Overview

Dennis L. Kasper, M.D.
NSABB Chair
Harvard Medical School

Introduction of NSABB Members

NSABB Structure and Operations

Thomas Holohan, M.D.
NSABB Executive Director, NIH Office of Biotechnology Activities

Break

Perspectives on Biosecurity in the Life Sciences

NSABB Voting Members

Impetus for NSABB: Enhancing Biosecurity on the Life Sciences

Rajeev Venkayya, M.D.
Special Assistant to the President,
Senior Director for Biological and Chemical Defense

White House Homeland Security Council

Perspectives on Biosecurity in the Life Sciences

NSABB *Ex Officio* Members

Lunch

Session I- The Development of Criteria for Identifying Dual Use Research and Research Results

Introduction: Issues of Relevance to Criteria Development

Arturo Casadevall, M.D., Ph.D.

Professor of Medicine and of Microbiology & Immunology and Chief of Infectious Diseases

Albert Einstein College of Medicine

National Research Council Perspective: Experiments of Concern

Ron Atlas, Ph.D.

Center for the Deterrence of Biowarfare and Bioterrorism

University of Louisville

Dual Use Dilemma: What are the Best Parameters?

David R. Franz, Ph.D., D.V.M.

Chief Biological Scientist

Midwest Research Institute

General Discussion and Questions from the Board

Session I Speakers

Break

Balancing Biosecurity and Scientific Progress: The Need for a Culture of Responsibility

Anthony Fauci, M.D.

Director, NIH National Institute of Allergy and Infectious Diseases

(NIAID)

Session II- Communication of Dual Use Research Results, Methods, and Technologies

The Challenge to the Life Sciences: Balancing Security and Academic Freedom

Judith V. Reppy, Ph.D.

Associate Director, Peace Studies Program

Cornell University

Past as Prologue: Are there Lessons to be Learned from the Nuclear Physics and Cryptography Communities

Thomas Bowles, Ph.D.

Chief Science Officer

Los Alamos National Laboratory

Scientific Publication and Security: The Perspective of Scientific Journal Editors and Authors

Phil Campbell, Ph.D.
Editor-in-Chief
Nature

Overview of Recent International Discussions

Wendy D. White
Director, Board on International Scientific Organizations
The National Academies

General Discussion and Questions from the Board

Session II Speakers

Public Comments

Adjourn for the Day

July 1, 2005

Welcome and Agenda Overview

NSABB Chair

Session III- Codes of Conduct in the Life Sciences

Promoting and Enhancing Responsible Research in the Life Sciences: The Role of a Code of Conduct

Phillip A. Sharp, Ph.D.
Institute Professor at the Center for Cancer Research
Massachusetts Institute of Technology

Challenges in Proposing a Code of Conduct with Dual Use Perspectives

Brian Rappert, Ph.D.
University of Exeter, Exeter, U.K.

Malcolm Dando, Ph.D.
Bradford University, U.K.

General Discussion and Questions from the Board

Session III Speakers

Section IV- Dual Use Research: International Perspectives

Dual Use Research: International Perspectives

Shana Dale, Esq.
Chief of Staff and General Counsel
Office of Science and Technology Policy, White House

Break

Session V- Chemical Synthesis of Bacterial and Viral Genomes

Gene Synthesis Technology: State of the Science

J. Craig Venter, Ph.D.
Founder and President
J. Craig Venter Institute

Potential Risks and Benefits of Genome Synthesis

George Church, Ph.D.
Professor of Genetics, Director of the Center for Computational Genetics
Harvard Medical School

Biosecurity Concerns Involving Genome Services Providers: An Industry Perspective

John Mulligan, Ph.D.
President and CEO
Blue Heron Biotechnology

General Discussion and Questions from the Board

Session V Speakers

Next Steps

NSABB Chair

Public Comments

Adjournment