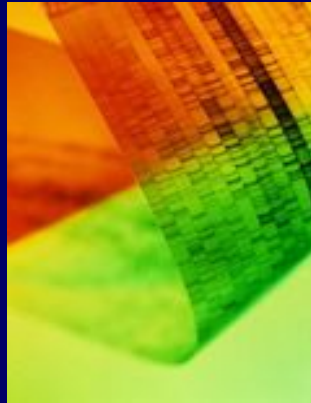
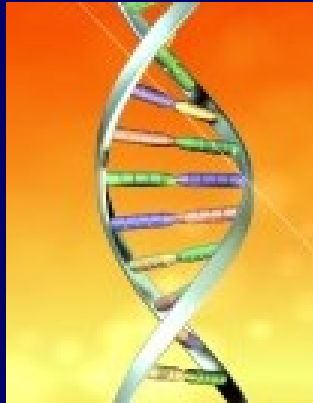


NSABB Working Group on International Engagement



**NSABB Meeting
June 23, 2011
David Franz, DVM, PhD**



Roster

Voting Members

- David R. Franz, DVM, PhD, Co-chair
- Stuart B. Levy, MD, Co-chair
- Kenneth I. Berns, MD, PhD
- Murray L. Cohen, PhD, MPH, CIH
- Michael J. Imperiale, PhD
- Stanley M. Lemon, MD
- Randall Murch, PhD
- David A. Relman, MD
- Anne K. Vidaver, PhD

Agency Representatives

- Parag Chitnis, PhD
- Franca Jones, PhD
- Amanda Dion-Schultz, PhD
- Dennis M. Dixon, PhD
- Peter Jutro, PhD
- Teresa Lawrence, PhD
- Janet K.A. Nicholson, PhD
- Christopher Park
- Dana Perkins, PhD
- Jessica Petrillo, PhD
- Jessica Tucker, PhD
- Edward H. You



NSABB IWG Charge

Developing and supporting the implementation of strategies to foster international engagement on issues related to dual use life sciences research

- Raise awareness internationally**
- Gain perspectives on and monitor the status of international issues and activities**
- Expand the international network**

IWG Approaches

- **Conduct International Events**
 - Focus on DUR/C awareness raising
 - Focus on topics of USG/NSABB interest

- **Facilitate International Engagement Activities**
 - To support other NSABB efforts
 - To convene face-to-face international discussions
 - To facilitate participation at international meetings



Presentation Outline

■ Beijing VTC

- *Strengthening the Culture of Responsibility With Respect to Dual Use Research and Biosecurity*

■ Kuwait VTC

- *International Engagement: Responsible Bioscience for a Safe and Secure Society*

■ Future Plans

- **Asia and Western Pacific Video**

Strengthening the Culture of Responsibility With Respect to Dual Use Research and Biosecurity

Video Teleconference*

November 1, 2010

Cosponsored by the National Institutes of Health (NIH) / National Science Advisory Board for Biosecurity (NSABB) and the Chinese Academy of Sciences (CAS). In cooperation with InterAcademy Panel (IAP): The Global Network of Science Academies, the International Union of Microbiological Societies (IUMS), the International Union of Biochemistry and Molecular Biology (IUBMB), and the National Research Council (NRC) of the U.S. National Academy of Sciences (NAS)



•Satellite session of the workshop on “Trends in Science and Technology Relevant to the Biological and Toxin Weapons Convention”

Held in Beijing, China from 31 October - 3 November, 2010.

Beijing VTC Objectives

- To obtain the views of participants on the principal features or attributes of a culture of responsibility and successful strategies for promoting, creating, and sustaining a culture of responsibility.
- To engage attendees from diverse scientific disciplines in a discussion focused on the issue of culture of responsibility with regard to dual use research.



Beijing VTC Structure

■ One Hour Satellite Session

– Format

- Introductions
- Structured question and answer session with conference participants focusing on major issues, including:
 - Defining a culture of responsibility
 - Education and training
 - Codes of conduct
- Closing remarks



Beijing VTC

Panelists / Moderators

Bethesda

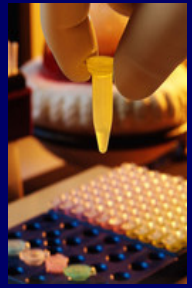
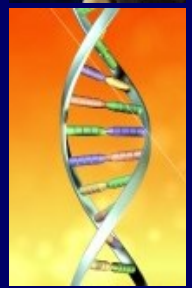
- **Stuart Levy, MD**
 - Co-Chair, NSABB Working Group on International Engagement
- **Paul Keim, PhD**
 - NSABB Acting Chair
- **Amy P. Patterson, MD**
 - Associate Director for Science Policy, NIH
- **Susan Ehrlich, JD, LLM**
 - Member, NSABB Working Group on Culture of Responsibility

Beijing

- **David Franz, DVM, PhD**
 - Co-Chair, NSABB Working Group on International Engagement
- **Li Huang, PhD**
 - Director, Institute of Microbiology, Chinese Academy of Sciences, Beijing, China

Beijing VTC Discussion Questions

- 1) The NSABB has been tasked with developing guidance on how to enhance the culture of responsibility with regard to biosecurity concerns in general and in high containment laboratories. What are the attributes of a strong culture of responsibility in this regard?**
- 2) What are some of the ways that Principal Investigators/lab leaders can strengthen a culture of responsibility regarding biosecurity?**
- 3) How can the senior leaders of research institutions help to foster a culture of responsibility regarding biosecurity?**
- 4) What are effective ways to educate scientists about the importance of biosecurity? For example, should it be tied in with education about biosafety?**
- 5) Do you think codes of conduct are a useful tool for strengthening the culture of responsibility and raising awareness about dual use research and biosecurity issues? What is the best way to encourage acceptance of and adherence to a code of conduct in a research organization?**





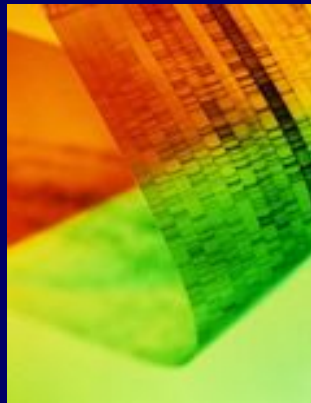
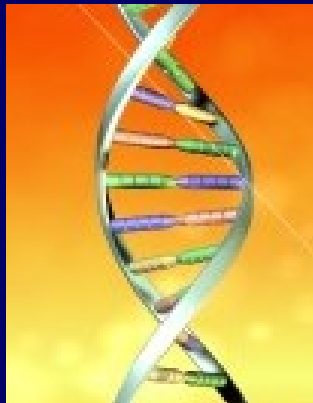
Beijing VTC Observations

- **Useful for the NSABB Culture of Responsibility Working Group.**
- **Having NSABB members playing a major role on-site at workshop venue is critical.**
- **Need for more discussion between panelists and participants.**
- **Useful to have more materials provided in advance to participants.**
- **Many participants were already very knowledgeable about DUR.**
- **Need to schedule VTC at optimal time of day for participants.**

Video is currently available through a link from our NIH DUR website, www.biosecurityboard.gov

International Engagement: Responsible Bioscience for a Safe and Secure Society

***AAAS/KISR Workshop in the Broader
Middle East and North Africa (BMENA)***



**Video Teleconference
March 16th, 2011**



Kuwait VTC Objectives

- **To engage international workshop participants who have an interest in life sciences research, focusing on the issue of responsible conduct of research.**
- **To show how DUR/C is an important component of responsible conduct of research.**
- **To evaluate the utility and value of discussing DUR within the framework of Responsible Conduct of Research (RCR) in addition to biosafety and bioethics.**



Kuwait VTC Structure

- **Two Hour Session on Responsible Conduct of Research (RCR)**
 - **RCR Session Format**
 - **Entire Afternoon Dedicated to Responsible Conduct of Research (RCR)**
 - **Break-out session topics included biosafety, biosecurity / DUR, and bioethics.**
 - **Reporting out from the break-out sessions and presentations by RCR panelists in Kuwait.**
 - **General discussion with Kuwait panel, audience in Kuwait, and NIH / NSABB panel in Washington D.C.**



Kuwait VTC Structure (Cont.)

■ RCR Participants

■ Workshop Attendees

- 60 BMENA region scientists and policy makers and others.

■ Panels

- Kuwait:

- Ethics and responsible conduct of research: Zabta Shinwari- Professor & Chairman Department of Biotechnology, Quaid-i-Azam University, Pakistan
- Biorisk management and responsible conduct of research: James M. Welch-Executive Director of the Elizabeth R Griffin Research Foundation, Kingsport, TN, USA
- Security concerns and responsible conduct of science: dual use research: Michael Imperiale, Ph.D.- NSABB member, Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor, MI, USA

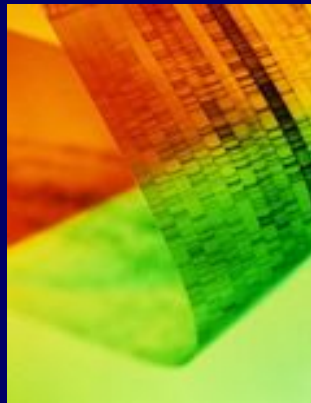
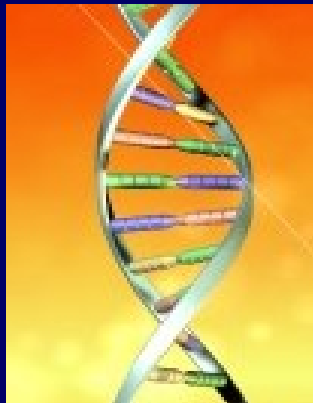
- Washington D.C.:

- Dr. Paul Keim (NSABB), Dr. Stuart Levy (NSABB), and Dr. Kavita Berger (AAAS)

Observations

- **VTC provide an excellent entry into the BMENA region and successfully raised awareness of DUR.**
- **Evaluations (modeled after Beijing VTC) were very positive and many expressed their desire to be involved with NSABB in the future**
- **The VTC was a good example of the value of partnering (AAAS/Kuwait/State Department) to target a group of select scientists from a region**
- **The VTC provided an update on many of the activities occurring in the BMENA region**
- **Archived video is in-production and the expectation is that it will be posted on the OBA site, NIH site, AAAS site and YouTube**
- **The participants wanted more concrete information from the overall conference. A case study approach was discussed to hone in on issues of concern and as an approach for future international web-based or VTC activities.**

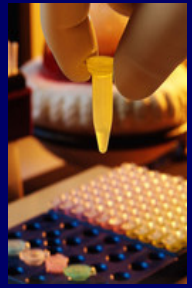
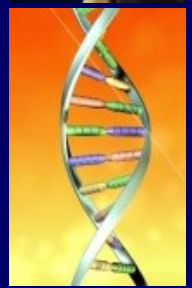
Asia and Western Pacific Video



**NIH campus / Bethesda
December 9, 2011**

Objectives

- To raise awareness of DUR as a component of RCR, along with biosafety, bioethics, and laboratory biosecurity.
- To utilize a case study approach with relevance to Asia and Western Pacific to demonstrate the issues surrounding manuscript review and publication of DUR.
- To understand RCR and DUR views, concerns and activities of Asian and Western Pacific panel discussants and the audience at the video venue.
- To discuss RCR resources currently available in Asia and Western Pacific as well as globally.





Asia and WP Structure

- **A 1.5 Hour Discussion on Responsible Conduct of Research (RCR) and DUR**
 - **Session 1:Introductory Comments**
 - **Session 2:Panel Session**
 - Presentation of case study article on mousepox
 - Discussion of mousepox study as well as how it relates to DUR within RCR and Asia and Western Pacific regional issues
 - General discussion of RCR in the region
 - **Session 3: Response to Questions from the audience**
 - **Session 4: Closing Remarks**



A and WP Panelists

CO-MODERATORS

- United States
- Asia and Western Pacific

PANEL EXPERTISE

- Mouse pox manuscript: Dr. Ian Ramshaw
- Bioethics: Dr. Michael Selgelid
- Biosafety / Biorisk / Training: Drs. Chan-Wha Kim and Za Hussein Reed
- Biotechnology and Biosecurity: Dr. Sangkot Marzuki (invited)
- Agriculture: Dr. H. V. Murugkar
- National Security / Government: Dr. Robert Floyd
- NIH: Drs. Amy Patterson and Peter Jahrling
- NSABB: Drs. Jeffery Miller and Murray Cohen

Moving forward

■ Options for Future Activities

- **4th International Roundtable – global status update on DUR activities and strategies for the future**
- **Seminar Model: recruit international panelists from a local international meeting for a seminar-type event at the NIH TV Studio**
- **Brief Presentation by an Expert (20 minutes)**
- **Bilateral Video Teleconference (VTC) with participants at an international scientific meetings (Similar to Beijing and Kuwait)**
- **Regional Webcasts (Similar to Americas and Europe)**
 - **Africa**
- **Global Webcast**