

AGENDA

Education and Raising Awareness: Challenges for Responsible Stewardship of Dual Use Research in the Life Sciences

September 8-9, 2005
Room 110
The Keck Center

Thursday, September 8th

8:30 Continental breakfast in the meeting room

9:00 Meeting begins: Chair, **Ruth Berkelman**, Emory University

- Welcome; purpose and plan of the meeting
- Participant introductions

9:15 Overview and Updates

- Opportunities presented by:
 - the Biological Weapons Convention process on codes of conduct for scientists – **Michael Moodie**, CBACI
 - the NSABB charge re codes and education – **David Franz**, Midwest Research Institute
 - more general interest in biosecurity education
- What do we know about the range of awareness raising and education activities under way or being planned, in particular those related to the BWC or the NSABB?

10:15 Raising Awareness -- Framing the Issue for the Life Sciences

- What is "issue framing" and what does this concept offer us? **Kathy Bonk**, Communications Consortium Media Center
- Q&A

11:00 Break

11:15 Discussion

- In framing the issues related to potential misuse of biotechnology research, what are our key challenges? Our greatest opportunities?

- How do these challenges and opportunities differ – if they do – across the wide range of audiences, goals, and methods/vehicles that can be part of awareness raising and education?

12:00 Lunch in the cafeteria

1:00 Education and Raising Awareness – From Conferences to Courses

The presentations and discussion in the afternoon are intended both to provide information and to challenge us to reflect on what we have learned from our own experiences, both successes and failures, about the best approaches to awareness raising and education with the life sciences community.

- Case studies #1 – Examples with a research emphasis
 - **Brian Rappert**, University of Exeter
 - **Gigi Kwik Gronvall**, University of Pittsburgh Medical Center
 - Q&A
- Case studies #2 -- Undergraduate/graduate education
 - **Mike Stebbins**, Federation of American Scientists
 - **Sam Bozzette**, RAND/University of California, San Diego
 - **Bob Cook-Deegan**, Duke University
 - Q&A

3:15 Break

3:30 Education and Raising Awareness – From Conferences to Courses [cont'd]

- Case studies #3 – Professional education/outreach programs
 - **Thomas Gallagher**, University of Washington
 - **Ronald Atlas**, University of Louisville
 - Q&A

4:30 Summary Discussion

- What are we learning about the process of education and raising awareness related to the risks of misuse of biotechnology research? Any lessons? Common themes or elements?

5:15 Adjourn; reception following

Friday, September 9th

8:30 Continental breakfast in the meeting room

9:00 Meeting begins: Chair, **Michael Moodie**, CBACI

- Brief review of previous day's discussions

9:15 What role(s) can codes of ethics/conduct/practice play in awareness raising and education?

- Opening remarks on types and varieties of codes – **Malcolm Dando**, University of Bradford
- Videoconference with the Royal Society
 - Perspectives from a related field of science: a recent workshop on codes in chemistry education by the International Union on Pure and Applied Chemistry – **Alastair Hay**, University of Leeds
 - Success factors for outreach activities - results from a UK pilot project – **Caitriona McLeish**, University of Sussex
- Discussion
 - What have we learned in discussions/activities leading up to the June BWC experts meeting?
 - What are the strengths and limitations of codes as a tool in raising awareness and in education?

10:45 Break

11:00 Ideas for next steps or further activities in education and raising awareness

- Are there particular needs or gaps that have emerged in our discussions?
- What do we know about programs/projects/activities that are already under way or being planned that could address these gaps or needs?
- What else might be needed?
- Is there a role for the National Academies, on its own or with others, in addressing these needs?

12:00 Closing Remarks; Adjourn