Session VII – Institutional Approaches to Raising Awareness and Educating Personnel about DURC

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Brief Institutional Background

Kentucky’s Land-Grant

FY2015 NSF R&D Expenditure Ranking
- 69th All Institutions
- 44th Public Institutions

Research Breadth
- NCI-designated Cancer Center
- Colleges of Agriculture, Engineering, Medicine, and Pharmacy on a single campus
Department of Biological Safety

• **Biosafety Officer**
  - ICDUR
  - RO (SA Program Inactivated 11/2016)
  - IBC & IRB Member
  - Adjunct Faculty, College of Medicine

• **Biosafety Staff, 3**

• **Administrative Support, 1**

• **Reports to Director of Environmental Health & Safety (Finance & Administration)**

• **Administer Institutional Biosafety Committee (~300 PIs)**

• **Administer Institutional Review Entity**

• **Biosafety Training and Program Development**

• **Laboratory Audits (~600 bio labs/ ~1500 total labs)**
  - Plus Barns, Fields, Farms, Greenhouses, & even the Dairy
DURC @ UK: Our Path to Implementation

- December 2014: BSO presented plan to VPR, IBC, and EHS Director for institutional compliance for DURC.
- April 2015: Posted UK’s institutional compliance policy to biosafety website.
- August 2015: UK VPR sends notification to Deans, Chairs, and Directors of affected departments to announce UK’s policy and required training for life science researchers.
- September 28, 2015: First notification to USG funding agency of IRE review results.
IBC Member Training

**December 2014**
- United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern
- Implementation of the U.S. Government Policy for Institutional Oversight of Life Sciences DURC: Case Studies - NIH
- Training on the US Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern - HHS

**January 2015**
- Dual Use Research of Concern Educational Module - NSABB

**Incorporated into routine training for new IRE members**
Researcher Training

- **In-person Sessions**
  - September 2015

- **Online Training**
  - August 2015 Created and Disseminated Module

**PI Responsibilities**
- Concept & Design
- Research
- Approval
- Funding
- Sharing

What are the responsibilities of the PI?
- The PI has the following responsibilities:
  - Initially identifying life sciences research that may be DURC
  - Working with the IRE to develop a risk mitigation plan
  - Conducting approved DURC in accordance with the risk mitigation plan
  - Being knowledgeable about DURC policies and educating lab personnel accordingly
  - Communicating DURC responsibly when publishing or presenting experimental findings
Researcher Training

- To date we have trained 642 individuals.
- We have just under 300 IBC registered PIs.
- Our online module is maintained as part of our regular web-based training catalog.

Student Training

New semester long biosafety course for grad students includes DURC training and use of the case studies resource as a teaching tool.

http://ehs.uky.edu/classes/
Training Resources Utilized

- **Dual Use Research: A Dialogue Video - NIH OSP**
- **NIH Companion Guide - Review Process Flowchart**
  
- [https://osp.od.nih.gov/biotechnology/dual-use-research-of-concern/](https://osp.od.nih.gov/biotechnology/dual-use-research-of-concern/)