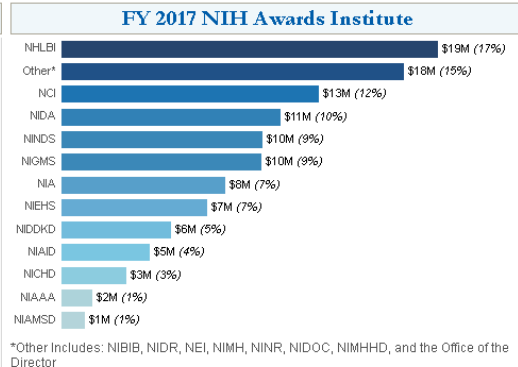
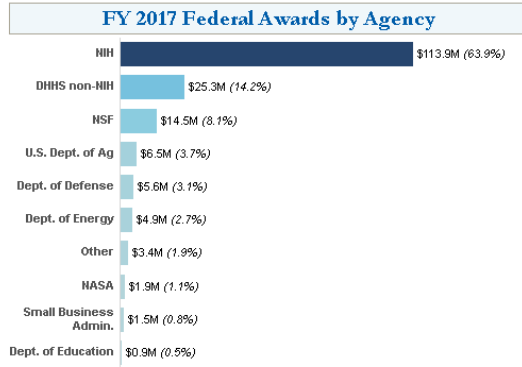
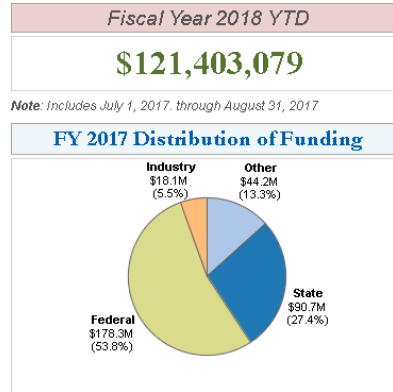
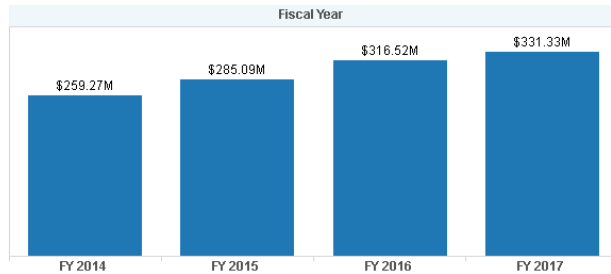


Session VII – Institutional Approaches to Raising Awareness and Educating Personnel about DURC

Brandy Nelson, M.S., CBSP, SM(NRCM)
Biosafety Officer & ICDUR
University of Kentucky

Brief Institutional Background

SPONSORED PROJECT AWARDS Extramural Grants & Contracts



Source: OSPA Database, updated August 31, 2017. Compiled by: University of Kentucky, Office of the Vice President for Research

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
 - Tools for the Identification, Assessment, Management, and Responsible Communication of Dual Use Research of Concern: A Companion Guide to the United States Government Policies for Oversight of Life Sciences Dual Use Research of Concern – NIH
 - 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



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.

Class List
All-Terrain Vehicle (ATV)
Advanced Radiation Safety
Analytical X-Ray
Asbestos Awareness
Autoclave
Back Safety
Basic Radiation Safety
Biological Safety
Bloodborne Pathogens (General)
Bloodborne Pathogens (Researchers)
Chemical Fume Hood
Chemical Hygiene Plan/Laboratory Safety
Chemical Hygiene Plan/Laboratory Safety (annual refresher)
Confined Space Entry
Construction Safety Awareness
DOT/IATA (Shipping Dangerous Goods)
DOT/IATA Recertification (Shipping Dangerous Goods)
Dual Use Research
Emergency Eyewash and Shower Station Use and Inspection
Epipen Safety
Fall Protection & Ladder Safety
Fire Extinguisher Training
Hazard Assessment
Hazard Communication
Hazardous Waste
Heat Stress
Hot Work Program
On-Site And Initial
Laser Safety
Lockout/Tagout
Office Ergonomics
Passenger Van Training
Respirator Use
Safe Driving
Select Agents
Select Agents - Insider threat Awareness
Utility Cart Training

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
- University of Kentucky Institutional Biosafety Committee Proposed Plan for Compliance with the United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern,
http://ehs.uky.edu/docs/pdf/bio_dual_use_research.pdf.



<https://osp.od.nih.gov/biotechnology/dual-use-research-of-concern/>

