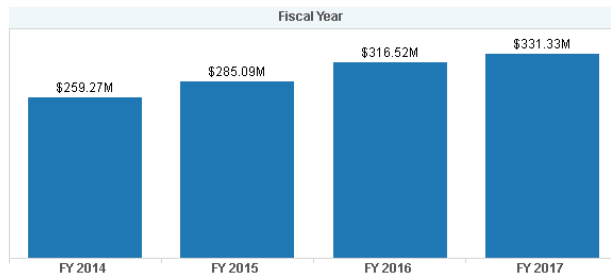


# Session VII – Institutional Approaches to Raising Awareness and Educating Personnel about DURC

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

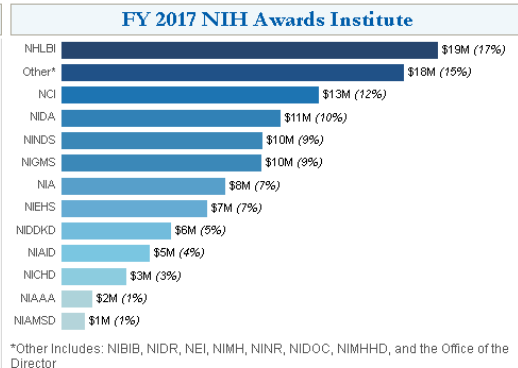
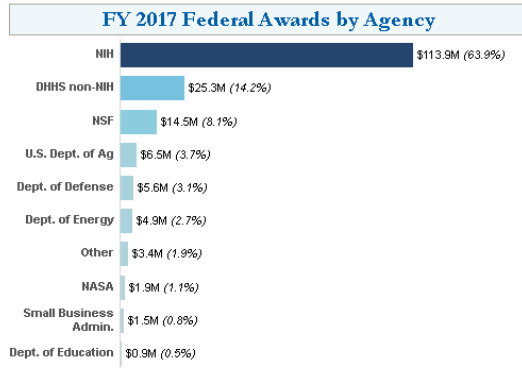
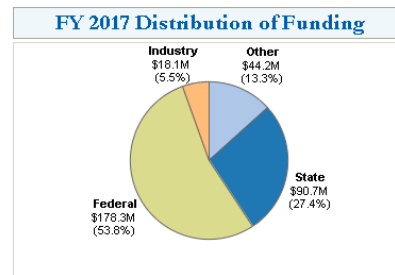
# Brief Institutional Background

## SPONSORED PROJECT AWARDS Extramural Grants & Contracts



Fiscal Year 2018 YTD  
**\$121,403,079**

Note: Includes July 1, 2017, through August 31, 2017



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

- 69<sup>th</sup> All Institutions
- 44<sup>th</sup> 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](http://ehs.uky.edu/docs/pdf/bio_dual_use_research.pdf).



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

