Raising Awareness and Educating Personnel at UCLA about DURC

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Institutional Background

- UCLA ranks among the world's top research universities, with >$1B/yr in external research grants and contracts
- Researchers supported by federal agencies (NIH, NSF, NASA, etc), as well as many state and private organizations
UCLA Institutional Review Entity

- UCLA Dual Use Review Entity (DURE) established in 2015
  - Stand-alone committee, separate from IBC
  - Faculty and staff membership
  - ICDUR – why me?
- UCOP DURC Policy – approved September 2015
- UCLA Administrative Policy 995 – Dual Use Research of Concern – approved January 2016
- DURE Charter – finalized October 2016
UCLA DURC Program

- Very small: 3 PIs, 6 agents*
- Scope of DURE review limited to 15 agents/toxins listed in the USG Policies
- Identification of potential DURC
  - IBC review – dedicated page in BUA
  - IACUC, IRB review – database search
- DURE website
- Consult with ICDUR

*two used off-site only
Training Requirements

- UCOP DURC Policy
  http://policy.ucop.edu/doc/2500637/DURC
  - Responsibility of Institution, PI, ICDUR
  - IRE responsibility not defined
  - Training frequency not defined

- UCLA DURC Policy and DURE Charter
  http://www.adminpolicies.ucla.edu/pdf/995.pdf
  http://ora.research.ucla.edu/RSAWA/DURE
  - Focus on responsibility of PI, DURE
Training Requirements: UCLA

- Required for personnel working with any of the 15 agents/toxins
- Online CITI DURC course every 3 years
  - frequency consistent with IBC review
- If DURC, training/refresher frequency will be defined in the mitigation plan
- Exceptions (e.g., former NSABB member)
- DURE members: annual, in-person training
Integration of Training

- DURC training is tangential to IBC program
  - IBC requires registration of any infectious agent or Select Toxin, which allows for quick identification of personnel for DURC training efforts
- UCLA high containment operations have extensive security training and personnel suitability program
  - Additional security and ethical issues associated with DURC are not currently covered
Education and Awareness at UCLA
DURE Website

Dual Use Review Entity (DURE)

Dual use research refers to scientific activities conducted for legitimate purposes that generate knowledge, information, technologies, and/or products that can be utilized for both benevolent and harmful purposes. Conceivably, much of research could be considered dual use. The effective oversight of dual use research of concern (DURC) is based on identifying potential dual use research and its associated risks, then devising ways to mitigate these risks. In accordance with the United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern and the University of California system-wide Policy, Institutional & Investigator Oversight of Life Sciences Dual Use Research of Concern, the UCLA DURE is charged with oversight of, and education on, life sciences research involving the use of potential DURC agents. The Committee advises and reports to the Chancellor through the Vice Chancellor for Research.

- Definitions
- Mandate
- Committee Structure and Administration
- Meetings and Operations

Definitions

Dual Use Research

Research conducted for legitimate purposes that can be utilized for both benevolent and harmful purposes.

Dual Use Research of Concern ("DURC")

Life sciences research that, based on current understanding, can be reasonably anticipated to provide knowledge, information, products, or technologies that could be directly misapplied to pose a significant threat, with broad potential consequences, to public health and safety, agricultural crops and other plants, animals, the environment, materiel, or national security. [1]

http://ora.research.ucla.edu/rsawa/dure
Training Requirements

The United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern (2014) requires research institutions that receive USG funds for life sciences research and conduct or sponsor research with any of the 15 agents or toxins to provide education and training on DURC for individuals conducting life sciences research with one or more of the agents. The Policy further requires that Principal Investigators ensure that laboratory personnel (i.e., those under the supervision of laboratory leadership, including graduate students, postdoctoral fellows, research technicians, laboratory staff, and visiting scientists) conducting life sciences research with one or more of the agents have received education and training on DURC.

UCLA uses the nationally recognized Collaborative Institutional Training Initiative (CITI) program to fulfill the above requirements for training on dual use research of concern. Personnel working with any of the 15 agents or toxins must complete the online CITI “Dual Use Research of Concern (DURC)” course every three years, so long as they continue to work with the agents or toxins, and so long as the research does not meet the definition of DURC.

For personnel working with any agent or toxin that does meet the definition of DURC, the requirement for refresher training will be defined in the mitigation plan.

Please visit the CITI website to access the Dual Use Research of Concern (DURC) training module. Please refer to the CITI Training Frequently Asked Questions for additional information on the CITI certification requirements and how to register or complete the training.

If you have further questions, please contact the UCLA Institutional Contact for Dual Use Research (ICDUR) at (310) 794-9645 or jperkins@research.ucla.edu.

http://ora.research.ucla.edu/RSAWA/DURE/Pages/training-requirements.aspx
Dear Colleagues:

I am pleased to inform you that we have launched a new website for Dual Use Research of Concern (DURC): http://ora.research.ucla.edu/rsawa/durec.

Dual use research refers to scientific activities conducted for legitimate purposes that generate knowledge, information, technologies, and/or products that can be utilized for both benevolent and harmful purposes. Conceivably, much of research could be considered dual use. The effective oversight of dual use research of concern (DURC) is based on identifying potential dual use research and its associated risks, then devising ways to mitigate these risks. The US Government has identified 15 agents and toxins that if used in research, require evaluation for dual-use potential.

The DURC website includes information about the Dual Use Review Entity (i.e., the faculty led committee), policies and guidelines, and training requirements.

Please visit the new website to learn more about DURC. Feel free to contact me if you have any questions.

Regards,

Jennifer

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Dual Use Research of Concern

The National Science Advisory Board for Biosecurity (NSABB) has defined Dual Use Research of Concern (DURC) as: "research that, based on current understanding, can be reasonably anticipated to provide knowledge, products, or technologies that could be directly misapplied by others to pose a threat to public health and safety, agricultural crops and other plants, animals, the environment or material".


Does your research have dual use potential? http://osp.od.nih.gov/sites/default/files/resources/EducationalBrochureDualUseResearch.pdf

1. * Does your research involve any of the agents or toxins listed below?
   - Avian influenza virus (highly pathogenic)
   - Bacillus anthracis
   - Botulinum neurotoxin
   - Burkholderia mallei
   - Burkholderia pseudomallei
   - Ebola virus
   - Foot-and-mouth disease virus
   - Francisella tularensis
   - Marburg virus
   - Reconstructed 1918 Influenza virus
   - Rinderpest virus
   - Toxin-producing strains of Clostridium botulinum
   - Variola major virus
   - Variola minor virus
   - Yersinia pestis
   - My research does not involve any of these agents
RPC Website

Additional Research Policies & Guidance Documents

- Budgeting and Costing
- Clinical Studies
- Data Access and Management
- Gifts
- Guidance for Principal Investigators
- UCLA Research Guidance Policies and Procedures
- Tobacco Funding/Research
- UCLA-RAND Memoranda of Understanding
- UCLA-Caltech Memorandum of Understanding
- UCLA-VA Memorandum of Understanding
- Dual Use Research of Concern (DURC)

Dual Use Research of Concern (DURC)

- NIH Policy on Mitigating Risks of Life Sciences Dual Use Research of Concern (NIH Notice NOT-OD-13-107)
- Notice of Clarification to NIH Policy on Mitigating Risks of Life Sciences Dual Use Research of Concern (NIH Notice NOT-OD-13-110)
- Dual Use Research: A Dialogue (NIH Video)
- NIH DURC Policy
Thank you