

Life Sciences Dual Use of Research Concern

Marquette University is required to complete a certification to the National Science Foundation for each proposal submitted stating that the university will be or is in compliance with all aspects of the [United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern \(phe.gov\)](https://www.phe.gov). This document clarifies Marquette's position on activity regarding Dual Use of Research Concern, as it pertains to the aforementioned Policy, and Marquette's compliance with the Policy.

Dual Use of Research Concern highlights the following agents and toxins and categories of experiments.

Agents and Toxins

- a) Avian influenza virus (highly pathogenic)
- b) Bacillus anthracis
- c) Botulinum neurotoxin
- d) Burkholderia mallei
- e) Burkholderia pseudomallei
- f) Ebola virus
- g) Foot-and-mouth disease virus
- h) Francisella tularensis
- i) Marburg virus
- j) Reconstructed 1918 Influenza virus
- k) Rinderpest virus
- l) Toxin-producing strains of Clostridium botulinum
- m) Variola major virus
- n) Variola minor virus
- o) Yersinia pestis

Categories of Experiments

- a) Enhances the harmful consequences of the agent or toxin
- b) Disrupts immunity or the effectiveness of an immunization against the agent or toxin without clinical and/or agricultural justification
- c) Confers to the agent or toxin resistance to clinically and/or agriculturally useful prophylactic or therapeutic interventions against that agent or toxin or facilitates their ability to evade detection methodologies
- d) Increases the stability, transmissibility, or the ability to disseminate the agent or toxin
- e) Alters the host range or tropism of the agent or toxin
- f) Enhances the susceptibility of a host population to the agent or toxin
- g) Generates or reconstitutes an eradicated or extinct agent or toxin listed above

The agents and toxins listed above are considered Biosafety Level 3 and Biosafety Level 4 (BL3 and BL4). Experiments in categories BL3 and BL4 cannot currently be conducted at Marquette University. Marquette's facilities can only accommodate BL1 and BL2 work.

Marquette University is in compliance with National Science Foundation requirements as no such work can take place at the university.