

Transgenic Animals

Last Reviewed Date: 03/06/2017

Effective Date: 01/01/2007

Applies To: Employees, Faculty, Students, Others

For More Information contact: Contact IBC Coordinator at 860-486-1838

I. Purpose

To provide Institutional oversight for the creation of transgenic animals.

II. Scope

This policy applies to anyone at the University of Connecticut conducting or sponsoring research or teaching activities that involve animals in which the animal's genome will be altered by introduction of recombinant or synthetic nucleic acids into the germ-line.

III. Policy Statement

The NIH Guidelines for Recombinant or Synthetic Nucleic Acids ([NIH Guidelines](#)) specify in Section III-D that experiments covered under this section must be reviewed and approved by the Institutional Biosafety Committee (IBC) **prior to the initiation of the experiment**. The creation of transgenic animals falls under Section III-D-4 and therefore requires review and approval prior to initiation of experiments.

IV. Enforcement

Violations of this policy or associated procedures may result in appropriate disciplinary measures in accordance with University Laws and By-Laws, General Rules of Conduct for All University Employees, applicable collective bargaining agreements, and the University of Connecticut Student Conduct Code.

V. Definitions

- **Animals** all organisms in the Kingdom Animalia.

VI. Principal Investigator Responsibilities

- A. PI's must submit an Institutional Biosafety Registration form or an amendment to their existing approved registration.
- B. Registrations must clearly identify the following
 - a. Animal species
 - b. Transgene name
 - c. Transgene function
 - d. Transgene source
 - e. Vector(s) used
 - f. Method of transformation
 - g. Physical location of laboratories and research animal housing/holding
- C. The PI must ensure that when a transgenic animal is euthanized or dies, the carcass will be disposed of by incineration or other method approved by the IBC and Institutional Biological Safety Officer (IBSO). The IBC and IBSO will determine whether the disposal method will be biomedical (e.g. Stericycle), nonhazardous biological incineration, or other methods suitable for the animal involved. This requirement for a particular method of disposal applies to transgenic animals, potentially transgenic animals, "no takes" in the production of transgenic animals, and progeny of transgenic animals. No changes to the approved disposal protocol are allowed without prior review and written approval from the IBC and IBSO.
- D. The PI is responsible for immediately reporting any and all incidents involving transgenic animals to the IBSO and IBC Coordinator, including but not limited to: the inadvertent release of animals, bites or exposures, improper disposal of transgenic animals and other incidents in the laboratory or classroom. These incidents will be reported to the IBC and the NIH as needed.
- E. The PI is responsible for training graduate students, teaching assistants and staff about the policies and procedures for animal handling and appropriate carcass disposal.

VII. Procedures/Forms

Fill out the Institutional Biosafety Committee registration form. Please email ibc@uconn.edu to obtain the registration forms.