

Austin College  
Student Animal Care Training

Course Title

Date

# Student Animal Care & Use Training

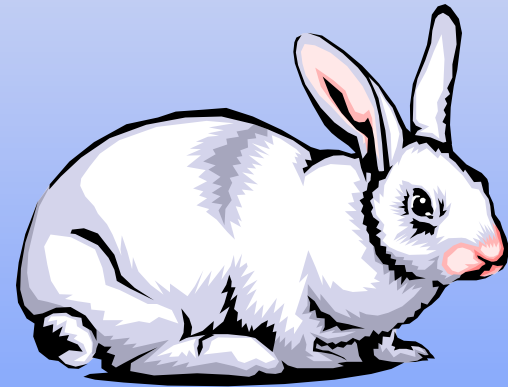
- What is the Institutional Animal Care and Use Committee?
- What do I have to know about animal research?
- What do I need to know about occupational health?
- What happens if we don't do our jobs effectively?

# The Importance of Animals in Biomedical Research



Because of biomedical research both humans *and* animals now have:

- Life-saving surgical procedures;
- Cancer therapies;
- Organ transplantation;
- Vaccines;
- Safe consumer products; and
- Treatments and cures for countless other medical disorders and diseases.



# Austin College IACUC

By law, an institutional committee must review all aspects of the animal care and use program. This committee is most commonly referred to as the "Institutional Animal Care and Use Committee", or IACUC.

## Four important people to know:

1. IACUC Chairperson – John Enwright
2. Attending Veterinarian – Gordon Brackee, DVM

# Austin College IACUC

The IACUC is responsible for:

Reviewing and approving animal use by faculty for research or teaching

Monitoring the animal care and use program at the College

**Remember: Animal Research is a privilege and not a right.**

This system is built on trust, any serious issue of noncompliance can jeopardize Austin College's privilege to use animals.

# Animal Care Regulations

The USDA and the PHS regulate animal care and use procedures according to the Animal Welfare Act (AWA) and their respective federal policies.

USDA – large vertebrates

PHS – all vertebrates

The purpose of these concepts is to minimize animal use and pain or distress while still achieving the critical scientific objectives that lead to advances in health and medicine.

# Euthanasia

All animals are to be euthanized according to AVMA recommendations, unless otherwise approved by the IACUC

Approved: CO<sub>2</sub> or overdose of anesthetics

Not approved: cervical dislocation or other physical means without anesthesia

Do not perform euthanasia, or any other procedure on an animal until a person experienced with the procedure has trained you, and you feel confident performing the technique.

When possible, two mechanisms of euthanasia should always be performed on each animal – make sure you verify death

Do not perform euthanasia in the presence of other animals

# Surgery & Post-Procedure Care

Report any unusual behavior, injuries, or health concerns to your instructor immediately.

Proper use of anesthetics, analgesics, or medication requires PI supervision

Use only sterile implements with each animal

**NEVER RECAP NEEDLES!** Sharps containers are provided for disposal of needles, scalpel blades, etc.

All tissues from the animals should be treated with the same respect you would treat the living animal.



# Animal User Protection

Health risks associated with animal research include

- Zoonotic disease
- Allergies
- Bites & Scratches
- Needle Sticks
- Chemical or Biohazard exposure
- Environmental/Laboratory hazards

Exercise CAUTION at all times when in the animal facilities or handling animal tissues

Report any indications of illness, respiratory problems, or physical trauma to your instructor and the nurse immediately

# Animal User Protection

## Level I Risk Animals:

Complete IACUC approved training on handling and care

Maintain a current tetanus vaccination

Personal protection is available for you:

- Face masks
- Gloves
- Lab coats
- Eyeglasses
- Bouffant hair caps (microbial isolators only)

# Animal Care Deficiencies

Any serious deficiencies in animal care can cost Austin College its privilege to perform animal research

If you see any deficiency in animal care and/or husbandry, you must report the deficiency to the IACUC Chair or to Jeff Czajkowski

No person reporting a deficiency should be approached, reprimed, or discriminated against.

# Questions/Comments/Concerns

Thank you for your patience