

Standing Committee Annual Report

Name of Committee or Council: University Animal Care and Use Committee (Institutional Animal Care and Use Committee, IACUC)

Chair: Sarah Lundin-Schiller, Ph.D.

Meeting Dates for 2007-2008:

May 16, 2008 – Chair met with Beth Hoilman to check files and sign annual reviews

April 21, 2008 – regular meeting

April 18, 200 – Chair met with Dr. David Denton, Interim Provost & V.P. Academic Affairs

Mar 19, 2008 – regular meeting

Mar 12, 2008 – regular meeting

Mar 10, 2008 - Inspection of APSU farm (APSU parking lot 15:35, or farm at 15:45)

Feb 25, 2008 - Inspection of Clement (15:35) and Sundquist Animal facilities

Feb 18, 2008 – Chair met with Josh Ream, student researcher re: animal protocol revisions

Dec 2007 – Chair met with Beth Hoilman to check files and sign annual reviews

Dec 3, 2007 – regular meeting

Nov 5, 2007 - regular meeting

Oct 22, 2007 – regular meeting

Oct 8, 2007 - Inspection of APSU Farm

Sep 24, 2007 - Inspection of Sundquist Science Complex Animal Facility

Sep 10, 2007 – regular meeting

Major Actions and Accomplishments:

- **ANIMAL PROTOCOL REVIEWS:** Reviewed 8 new animal use protocols and 9 annual reviews.
- **ANIMAL FACILITIES INSPECTIONS:** Inspected all animal facilities where animals are housed on campus for research and teaching to ensure that housing and care meets Federal standards. The only major deficiency in this area is the Sundquist Bldg animal facility which still cannot be used to capacity due to each holding room not being on individual light and HVAC control and doors being too small for large cage racks to be moved through. In the last inspection of this facility the committee states that the use of the rooms can be approved on a case by case basis as long as the temperature and light

requirements of the individual species can be met and holding cages could be moved rapidly in the case that evacuation of animals was necessary.

- **TRAINING:**

- Implemented animal care and use training for animal users and IACUC members that satisfies the Federal mandate for such training.
- Continued assessment of programmatic needs in the area of occupational health and safety of personnel using animals. Assurance statement added to the Protocol application form and informational materials for PIs is available on the website.

- **FORMS AND DOCUMENTATION:**

- Revised animal protocol submission forms and updated procedures for reporting continuation protocols. We have developed a forms specific to Lab animal Studies and Wildlife Studies.
- Recorded all committee actions in the form of minutes, inspection reports, and memos to animal users. These records are kept on file in the Office of Grants and Sponsored Research. This is also a Federal requirement of a complete animal care and use program.

- **WEBSITE:** Continued maintenance of website for animal users and committee members to access necessary IACUC forms, information, and training. <http://www.apsu.edu/iacuc>

- **COMMITTEE MEMBERSHIP:** The committee membership is mandated by both APSU policy and Federal guidelines. This year (07-08) the following individuals served on this committee: Amy Bishop (Community rep.), Brian Hock (Psychology), Ben Howard (veterinarian), Jenifer Kennedy (Ex Officio, Grants office), Sarah Lundin-Schiller (Chair), Emily Parrish (student rep), Charles Pinder (Ex Officio, Grad. Studies), Gilbert Pitts (Biology), Betsie Rothermel (CEFB), Chiu-Fu Sheng (student rep), Philene Slaughter (non-scientist), and Don Sudbrink (Ag). The Chair wishes to thank the committee members very much for all their hard work. The Chair also thanks Beth Hoilman for her work in maintaining records for this committee.

Committee Recommendations to APSU Administration

Introduction

The work of this committee is guided by *Guide for the Care and Use of Laboratory Animals* (Office of Laboratory Animal Welfare, NIH) and by *Guide for the Care and Use of Agricultural Animals in Agriculture Research and Teaching* (Federation of Animal Science Societies). These guides require institutions to adhere to certain standards of animal care and use in the conduct of research involving animals. The basic requirements for a compliant institutional program are outlined in our Semi-Annual Program Review Checklist which is attached to this document. Compliance with the standards set out by these two guides not only allows an institution to be eligible for funding from agencies such as NIH, NSF, and USDA but also assures the wider community that research and teaching with animals at APSU is conducted ethically and conscientiously.

Concerns

This faculty committee has worked diligently over the past several years to bring APSU's animal program up to full compliance with these standards and we feel that the program is 80% there. One area that still needs work is Occupational Health and Safety of Personnel. Please reference the attached Semi-Annual Program Review Checklist.

Of particular concern are the following items:

- 1) *Personnel training in zoonosis, hazards, pregnancy/illness/immune-suppression precautions*
- 2) *Pre-employment evaluation of health history*
- 3) *Immunizations as appropriate (Eg. Rabies, tetanus) & tests*
- 4) *Zoonosis surveillance as appropriate*
- 5) *Procedures for reporting and treating injuries, including bites, etc.*

The committee has identified several existing policies in APSU's Policies and Procedures Manual that address some items in this area. The relevant policies are listed below:

[APSU Safety Policy](#)

[APSU TOSHA Policy](#)

[Hazardous Materials Policy](#)

[APSU Hepatitis Policy](#)

However, to the committee's knowledge, there is currently no one at Physical Plant, Student Health Services, or Office of Grants and Sponsored Research to implement these policies and maintain the records required to demonstrate compliance with these policies.

Currently, the committee is posting on the IACUC website information on zoonotic diseases and depending upon individual investigators to ensure that all personnel on a given project have been informed of zoonosis and other hazards and are immunized if appropriate.

Recommendations

The committee strongly recommends that personnel be hired in Physical Plant and in the Grants and Sponsored Research Office to oversee compliance with stated policies and maintain records to demonstrate compliance.

Further the committee recommends that APSU develop a procedure, perhaps through Health Services, to be able to offer individuals who work with animals pre-work health screening, health monitoring, and vaccinations if appropriate.

Austin Peay State University IACUC SEMI-ANNUAL PROGRAM REVIEW CHECKLIST

Date: 4-21-07		*A	M	S
1. IACUC Membership and Functions				
- At least 5 members, appointed by CEO	✓			
- Members include veterinarian, scientist, non-scientist, and non-affiliated, non-lab animal user	✓			
- Responsible for oversight and evaluation of institution's program	✓			
- Reports to Institutional Official (IO)	✓			
- Conducts semi-annual evaluations of institutional animal facilities	✓			
- Reviews and investigates concerns about animal care and use at institution	✓			
- Procedures for review, approval and suspension of animal activities	✓			
- Procedures for review & approval of significant changes to approved activities	✓			
- Policies for special procedures (e.g. restraint, multiple survival surgery, fluid restriction)	✓			
2. IACUC RECORDS AND REPORTING REQUIREMENTS				
Reports to Institutional Official (IO)				
- Reports of semi-annual program reviews & facility inspections are submitted to IO	✓			
- Include minority IACUC views	✓			
- Describe departures from Guide or PHS Policy and reasons for departure	✓			
- Distinguish significant from minor deficiencies	✓			
- Include plan and schedule for correction of each deficiency identified	✓			
Reports to Office of Laboratory Animal Welfare				
- Reports include any minority IACUC views				
- Annual report to OLAW documents program changes & dates of IACUC semi-annual review				
- Promptly advises OLAW of serious/ongoing <i>Guide</i> deviations or PHS Policy non-compliance				
- Promptly advises OLAW of any suspension of activity by the IACUC				
Reports to United States Department of Agriculture (USDA)				
- Annual report contains required information				
- Reporting mechanism in place for IACUC – approved exceptions to the regulations and standards				
- Reports within 15 days failure to adhere to timetable for correction of deficiencies				
- Reports suspension of activity by the IACUC to USDA and any Federal funding agency				
Records				
- Minutes of IACUC meetings and semi-annual reports maintained for 3 years.	✓			
- IACUC review documentation maintained for 3 years after end of study	✓			
- IACUC review of activities involving animals includes all required information	✓			
3. VETERINARY CARE (See also next section – Veterinary Medical Care)				
- Institutional arrangement for veterinarian with training or experience in lab animal medicine	✓			
- Veterinary access to all animals	✓			
- Provision for back-up veterinary care	✓			
- Must provide guidance on handling, immobilization, sedation, analgesia, anesthesia, euthanasia	✓			
- Must provide guidance/oversight on surgery programs and oversight of post-surgical care	✓			
- Veterinary authority to oversee all aspects of animal care and use	✓			

Not required until assurance # is assigned.

4. PERSONNEL QUALIFICATIONS AND TRAINING				
- Institution has established and implemented an effective training program	✓			
- Includes professional/management/supervisory personnel	✓			
- Includes animal care personnel	✓			
- Includes research investigators, instructors, technicians, trainees, students	✓			
Training Program Content				
- Humane practices of animal care (e.g. housing, husbandry, handling)	✓			
- Humane practices of animal use (e.g. research procedures, use of anesthesia, pre- & post-operative care)	✓			
- Research/testing methods that minimize numbers necessary to obtain valid results	✓			
- Research/testing methods that minimize animal pain or distress	✓			
- Use of hazardous agents, including access to OSHA chemical hazard notices where applicable	✓			
5. OCCUPATIONAL HEALTH AND SAFETY OF PERSONNEL				
Institutional program for a safe and healthy workplace				
- Program is established and implemented		✓		
- Covers <i>all</i> personnel who work in laboratory animal facilities		✓		
- Based on hazard identification and risk assessment		✓		
- Personnel training (e.g. zoonosis, hazards, pregnancy/illness/immuno-suppression precautions)		✓		
- Personal hygiene procedures (e.g., work clothing, eating/drinking/smoking policies)	✓			
- Procedures for use, storage & disposal of hazardous biologic, chemical, and physical agents	✓			
- Specific procedures for personnel protection (e.g., shower/change facilities, injury prevention)	✓			
Program for medical evaluation and preventive medicine for personnel				
- Pre-employment evaluation including health history				✓
- Immunizations as appropriate (e.g. rabies, tetanus) & tests		✓		
- Zoonosis surveillance as appropriate (e.g. Q-fever, tularemia, Hantavirus, plague)		✓		
- Procedures for reporting and treating injuries, including bites, etc.				✓
Special precautions for personnel who work with primates				
- Tuberculosis screening includes all exposed personnel		N/A		
- Training and implementation of procedures for bites & scratches				
- Education regarding <i>Cercopithecine herpes virus 1</i> (Herpes B)				

Notes:

The IACUC website serves as a central location from which investigators can access APSU policies on animals in research and occupational health and safety; tools for training personnel; information on zoonoses; federal guidelines; and APSU IACUC forms.

There is still work for the institution to do on providing pre-employment evaluation of health and continuing health monitoring for individuals working with research animals.

***A = Acceptable; M = Minor Deficiency; S = Significant Deficiency (is or may be a threat to animal health or safety)**

[revised 4/2005 from OLAW NIH]