



# Berkeley Animal Care News

October 2014  
Volume 3  
Issue 4

Animal Care and Use Committee (ACUC)  
[acuc@berkeley.edu](mailto:acuc@berkeley.edu)

(510) 642 - 8855  
[www.acuc.berkeley.edu](http://www.acuc.berkeley.edu)

## INSIDE THIS ISSUE

- 1 Chair's Message
- 2 eProtocol Update
- 3 Mouse Barrier Facility
- 4 CO2 Euthanasia  
Equipment Requirements
- 5 New & Updated ACUC  
Policies & Guidelines

## RESOURCES

- 1 Animal Care and Use  
Committee (ACUC)  
<http://www.acuc.berkeley.edu/>
- 2 Office for Animal Care and  
Use (OACU)  
<http://www.olac.berkeley.edu/>

## eProtocol Launched this Fall

Welcome to the start of another academic year!

This fall, the ACUC began a three-year implementation plan to introduce the web-based protocol management system, eProtocol. The ACUC reviewed our first round of eProtocol submissions at the October meeting. As investigators begin to prepare their new eProtocols for submission, we recommend that you contact the OACU and make an appointment with the staff to review preparation strategies and frequently asked questions. The ACUC and OACU will continue to work closely with all PIs over the next three years to transition into the new system. Please see additional details inside.

UC Berkeley recently completed a successful on-site inspection by the Department of Defense (DoD) for two DoD-supported research projects. Many thanks to the research personnel and staff from the Office for Laboratory Animal Care (OLAC) and the Office for Animal Care and Use (OACU) for their joint efforts in ensuring a positive visit.

On a final note, UC Berkeley is preparing to adopt out the last of the remaining spotted hyenas that have been a very unique part of the animal care and use program since 1985. The captive research colony, the only one of its kind in the world, began with 20 cubs that were collected near Kenya's Masai Mara game reserve and brought to the Field Station for the Study of Behavior, Ecology and Reproduction (FSSBER), located in the hills above Berkeley campus. As the funding for the project studying the development of morphology and behavior wound down, the remaining animals have been adopted out to zoos and refuges across the country. Additional information can be found at [FSSBER Web Site](#).

Kind regards,

Bill Sha  
ACUC Chair

Eileen Lacey  
ACUC vice Chair

## INSIDE THIS ISSUE

- 1 Chair's Message
- 2 eProtocol Update
- 3 Mouse Barrier Facility
- 4 CO2 Euthanasia Equipment Requirements
- 5 New & Updated ACUC Policies & Guidelines

## RESOURCES

- 1 Animal Care and Use Committee (ACUC)
- 2 Office for Animal Care and Use (OACU)  
<http://www.acuc.berkeley.edu/>
- 3 Office for Laboratory Animal Care (OLAC)  
<http://www.olac.berkeley.edu/>

## eProtocol Update

The UC Berkeley Office for Animal Care and Use (OACU) and the Animal Care and Use Committee (ACUC) began transitioning from a paper-based protocol submission and review process to a web-based system called *Berkeley eProtocol* in August 2014.

### How does this impact you?

- All new protocols must be submitted online via eProtocol.
  - See the [ACUC web site](#) for submission deadlines.
- Protocols due for their *de novo* (three-year) review must be submitted online via eProtocol.
- Revisions to existing "electronic" protocols ("eProtocols") will be made using the eProtocol system.
- Annual reviews and revisions to existing "paper" protocols can continue to use the paper-based process up until the protocol's *de novo* submission.
- Investigators may opt to submit a revision as a new electronic eProtocol and they are strongly encouraged to contact the OACU Director at [acuc@berkeley.edu](mailto:acuc@berkeley.edu) regarding this possibility.

### Where can I get help with eProtocol?

- **Start early!** Please plan on spending more time getting your protocol into eProtocol than you have needed in the past when doing *de novo* submissions.
- Make an appointment to meet with a member of the OACU staff as you begin to prepare your new eProtocol.
- There are several user "quick guides" available on the ACUC web site, [http://www.acuc.berkeley.edu/eprotocol\\_guides.html](http://www.acuc.berkeley.edu/eprotocol_guides.html).
- Contact the OACU office at 642-3885 or [ACUC@berkeley.edu](mailto:ACUC@berkeley.edu).

## Mouse Barrier Facility

Construction of the UC Berkeley Mouse Barrier Facility is underway. The facility encompasses three suites and will allow exclusion of specific strains of microbes in mice. Completion is expected sometime in the spring of 2015.

For additional information, please contact Attending Veterinarian, Dr. Roger Van Andel, at [vanandel@berkeley.edu](mailto:vanandel@berkeley.edu) or 642-9232.

## INSIDE THIS ISSUE

- 1 Chair's Message
- 2 eProtocol Update
- 3 Mouse Barrier Facility
- 4 CO<sub>2</sub> Euthanasia Equipment Requirements
- 5 New & Updated ACUC Policies & Guidelines

## RESOURCES

- 1 Animal Care and Use Committee (ACUC)  
<http://www.acuc.berkeley.edu/>
- 2 Office for Animal Care and Use (OACU)  
<http://www.olac.berkeley.edu/>
- 3 Office for Laboratory Animal Care (OLAC)  
<http://www.olac.berkeley.edu/>

## CO<sub>2</sub> Euthanasia Equipment Requirements

Recent changes in the *AVMA Guidelines for the Euthanasia of Animals: 2013 Edition* recommend "an optimal flow rate for CO<sub>2</sub> euthanasia systems should displace 10% to 30% of the chamber or cage volume/minute." In order to meet these standards, a CO<sub>2</sub> flow regulating device should be used.

The Office for Laboratory Animal Care (OLAC) has reviewed several options, taking into consideration various building CO<sub>2</sub> supply systems, and recommends the use of one of the following:

- CO<sub>2</sub> H-Tank Regulator w/Pre-Set Flow (PSF) System (1.5-5.0 LPM), VetEquip Part #934105
- CO<sub>2</sub> Wall Mount w/Pre-Set Flow (PSF) System (1.5-5.0 LPM), VetEquip Part # 934130



VetEquip Part #934105

VetEquip Part # 934130

Investigators who maintain their own CO<sub>2</sub> euthanasia equipment must purchase and install an appropriate flow regulating device to comply with the *AVMA Guidelines*.

For further information, please contact the OLAC veterinary staff at 642-9232 or [vetstaff@lists.berkeley.edu](mailto:vetstaff@lists.berkeley.edu). Information about the VetEquip products is available on the VetEquip websites:  
<http://www.vetequip.com/item.asp?cat=10&catalogID=PFSsys>  
[http://www.vetequip.com/pdfs/PresetFlowSystem\\_PFS.pdf](http://www.vetequip.com/pdfs/PresetFlowSystem_PFS.pdf)

## INSIDE THIS ISSUE

- 1 Chair's Message
- 2 eProtocol Update
- 3 Mouse Barrier Facility
- 4 CO2 Euthanasia Equipment Requirements
- 5 New & Updated ACUC Policies & Guidelines

## RESOURCES

- 1 Animal Care and Use Committee (ACUC)
- 2 Office for Animal Care and Use (OACU)  
<http://www.acuc.berkeley.edu/>
- 3 Office for Laboratory Animal Care (OLAC)  
<http://www.olac.berkeley.edu/>

## Several New and Revised ACUC Policies/Guidelines

The ACUC recently approved several new guidelines, all of which can be found on the [ACUC web site](#):

[Media Recordings of Institutionally Owned Animals](#) is a new ACUC policy that describes the appropriate use of recording devices (e.g. film camera, digital camera, phone camera, digital recorder, sound recorder, etc.) in animal use areas.

The new ACUC policy on [Record Disposition](#) outlines how administrative records regarding animal activities are appropriately managed and preserved consistent with other university policies, applicable state and federal laws as well as university contracts.

The new [IACUC Membership](#) policy outlines the primary responsibilities and specific expectations of ACUC members.

[Post-Approval Monitoring Guidelines](#) describes a new program to monitor approved Animal Use Protocols to ensure that research and teaching activities involving live vertebrate animals are conducted in accordance with all applicable federal law, regulations, policies, and are consistent with the Principal Investigator's (PI) ACUC-approved AUP.