

## Welcome to the IACUC Newsletter

Welcome to the first edition of the IACUC newsletter. The animal care and use program at UMKC has undergone major changes over the past decade which have resulted in the development of a first rate program. We continue to strive to make improvements where needed. One area that needs improvement is the line of communication between the IACUC and the animal user community. In an effort to improve communication we are publishing a quarterly newsletter with the goal of informing the animal user community on upcoming events, changes in policies, animal facility news, protocol changes, educational opportunities, safety information, and any other relevant information related to animal research. We hope you find this newsletter informative and useful. We look forward to your feedback and any suggestions you may have on how to make the newsletter better serve you.

Thanks,  
The IACUC Chair

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***Self-regulating entity that, according to US federal law, must be established by institutions that use laboratory animals for research or instructional purposes to oversee and evaluate all aspects of the institutions animal care and use program.***



## Reducing the stress of drug administration: implication for the 3Rs

Sarah A. Stuart & Emma S.J. Robinson

Scientific Reports 5, Article number:14288 (2015)

### Abstract:

Restraint in animals is known to cause stress but is used during almost all scientific procedures in rodents, representing a major welfare and scientific issue. Administration of substances, a key part of most scientific procedures, almost always involves physical restraint of the animal. In this study, we developed a method to inject substances to rats using a non-restrained technique. We then compared the physiological, behavioral and emotional impacts of restrained versus non-restrained injection procedures. Our results highlight the negative welfare implications associated with physical restraint and demonstrate a method which can be used to avoid this. Our work shows how adopting strategies that avoid restraint can minimize a widespread source of stress in laboratory animals and improve welfare through refinement.

<http://www.nature.com/articles/srep14288#s1>

### Reminders:

**All proposed changes to an IACUC protocol, including personnel additions and room changes, must be requested via an amendment request.**

With new residents, interns, and graduate students coming in for summer rotations who may wish to work with animal models under your approved IACUC protocol, it is imperative that you submit a modification to add them to your protocol and gain approval BEFORE they begin their work.

Also, it is very important that the IACUC office has an up-to-date list of your active animal use areas. New or retired procedure rooms and use areas must be brought to the IACUC's attention via a protocol modification.

**IACUC meetings are open access with advance notice. If you are interested in attending an IACUC meeting contact Lisa Browning [browninglis@umkc.edu](mailto:browninglis@umkc.edu) or Jodi Troup [troupej@umkc.edu](mailto:troupej@umkc.edu) for time, date and location.**

# Compliance Question



## New Resources:

The UMKC Libraries has purchased a new resource called Journal of Visual Experimentation (JoVE) which has videos on many different experimental procedures and techniques. For more information go to <http://www.jove.com>

## Updates:

### **SOP's**

The UMKC IACUC has issued a new Policy on Toe Clipping. You can find the new policy under IACUC Resource Materials at [http://ors.umkc.edu/research-compliance-\(iacuc-ibc-irb-rsc\)/institutional-animal-care-use-committee-\(iacuc\)](http://ors.umkc.edu/research-compliance-(iacuc-ibc-irb-rsc)/institutional-animal-care-use-committee-(iacuc))

### **LARC**

Animal users are no longer expected to spray gloves or booties with Clidox when entering through the primary air lock.

**Policy** (specifically that which involves animals in research) is dynamic, complex, and often controversial. As always, we encourage dialogue between our offices and our investigators so that, as a community, we can remain in compliance.

Q: I understand the USDA and OLAW's requirement for Semi-Annual Review but how should I prepare?

A: The IACUC expects researchers at UMKC to maintain compliance with federal, state, and institutional regulations continuously throughout the year, and often will make unannounced visits in addition to the spring and fall review.

While reviewers are trained to look at your entire program to assure compliance, some questions that everyone listed on your protocol should be prepared to answer are:

1. What type of work you are approved for?
2. Where are current copies of your protocols, and are they accessible to everyone listed on them?
3. Where specifically in your lab (bench, hood) is your animal work done?
4. Do you have any controlled substances described in your protocol? If so, where are they stored and what security is in place? Where are your logbooks?
5. Where are your animals housed? Do you know who the veterinarian/vet tech is for that site?
6. How do you transport your animals from the animal facility to your laboratory?
7. Are all your animal-related reagents and supplies in date? What mechanisms are in place to ensure expired items are identified and disposed of?
8. Is the IACUC required signage posted? Is it visible and up to date?



The IACUC eProtocol Application Submission System is currently in the development phase. Early testing of the system has resulted in requested modifications to the system to better align (questions and flow) the template version with our current paper based application. Testing in the beta phase will continue with requests being sent out to investigators to enter trial protocols to test the system.

The LARC Animal Resource Management System is set to launch concurrent with the eProtocol IACUC system and is currently being mirrored in the beta testing phase.

Additional information about both systems can be found at <http://www.keyusa.com/>.

## Contact Us

Give us a call for more information about our services and products

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