The winds of change are bringing personnel changes to our division. We welcome Dr. Alan Rudolph, as our new Vice President for Research. RICRO staff wish to thank Dr. Bill Farland for his years of leadership and support of our office, division, and researchers across campus. We wish you all the best as you embark on new endeavors, Dr. Farland!

Wishing you all a safe and successful year ahead. Please do not hesitate to contact our office if we can be of assistance to your research program. We look forward to hearing from you!

RICRO Staff

Updated IACUC Policies Posted
There are some recent IACUC policy revisions of which investigators and their staff should be aware. Most are revisions of existing policies, but some are new. Below are overviews of the changes. The full policies can be read on our website at http://ricro.colostate.edu/IACUC/policies.htm.

Policy on Multiple Surgical Procedures:
This policy defines major and minor surgeries. Note, as always, sufficient pain relief must be provided for a minimum of 72 hours post-surgically, regardless of the type of surgery. The IACUC and veterinary staff will evaluate the proposed procedures on a case-by-case basis. Depending on the procedure the IACUC may require additional analgesia.

Policy on “Tail Biopsy”:
This policy now requires the use of analgesia for tail biopsies conducted in mice over 12 days of age. Analgesia can be provided using buprenorphine or carprofen given 20 minutes prior to biopsy. There is further information regarding the equipment used to biopsy, how to control the bleeding post-biopsy, as well as whether mice can be biopsied more than once.

Policy on Food and/or Fluid Regulations:
This policy revision defines food and fluid regulation and that such regulation requires scientific justification as a part of the IACUC protocol. It also provides the requirements for monitoring animal well-being when they are restricted and the recordkeeping that is necessary for such procedures and that those records be made available for inspection if requested.

Policy on the Use of Non-Pharmaceutical Grade Substances:
This is a new policy in response to the requirements of the new Guide for the Care and Use of Laboratory Animals. If non-pharmaceutical-grade substances must be used (for instance when testing investigational drugs), that must be justified in the protocol. This policy also outlines the minimum considerations the IACUC will take into account in order to approve the use of such substances.

Policy on Social Management of Animals:
This policy revision clarifies when it is appropriate to singly house social species and when IACUC approval must be obtained.

Policy on Reporting and Evaluation of Concerns Regarding Animal Care and Use:
This policy outlines the requirement and methods for reporting an IACUC investigation regarding concerns of animal welfare.
### Policy on Instances of Noncompliance:

This policy outlines the process for the IACUC investigating and the institution requiring corrective action for instances of noncompliance with the regulations regarding the use of animals in research and teaching.

Please take some time to look over these revised policies. The new policies are in effect for all new protocol submissions. All IACUC policies and guidelines are posted on the IACUC pages on the RICRO website at [http://ricro.colostate.edu/IACUC/policies.htm](http://ricro.colostate.edu/IACUC/policies.htm).

### 10 Things You (Probably) Don’t Know about RICRO

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<tr>
<td>With the three committees combined (IACUC, IRB, and IBC), our office coordinates over 2,000 new protocols annually.</td>
<td>Over the past 12 months, 1051 CSU researchers have completed online human subjects protection training via CITI, and 145 researchers have completed in-person training. Information about human subjects protection training can be found here: <a href="http://ricro.colostate.edu/IRB/IRB_Training.htm">http://ricro.colostate.edu/IRB/IRB_Training.htm</a></td>
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<td>RICRO staff have served CSU for a total of 68.5 years. Kathy Partin leads the group with 16 years, Evelyn Swiss with 15 years, and Janell Barker and Christine Johnson have both served CSU for 10 years!</td>
<td>CSU animal researchers have protocols that involve at least 36 different species! Check out the animal research program here: <a href="http://ricro.colostate.edu/IACUC/IACUC.htm">http://ricro.colostate.edu/IACUC/IACUC.htm</a></td>
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<td>This issue of the RICRO Report is our 30th! We are considering changing the format of the newsletter to make it more mobile-device friendly. What do you think? Have feedback or would like to submit an article? Please contact Evelyn Swiss or Bill Moseley with your ideas!</td>
<td>Do you know that RICRO is on Twitter?! We have 15 followers right now, and hope to increase this number! Follow us @colostate_ricro</td>
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<td>Do you know that there are 14 face-to-face courses you can take to partially fulfill the RCR training requirements? Check out the course offerings here: <a href="http://rcr.colostate.edu/courses.html">http://rcr.colostate.edu/courses.html</a></td>
<td>Every 6 months, researchers with animal protocols will be visited by IACUC members for the semi-annual inspection of locations where animals that are involved in research are housed or taken for procedures. The inspection covers 33 facilities and more than 60 investigator labs. The fall inspection is coming up! Tips for the inspection: <a href="http://ricro.colostate.edu/IACUC/TipsGuidance.html">http://ricro.colostate.edu/IACUC/TipsGuidance.html</a></td>
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<td>The CSU IRB launched eProtocol, its online protocol submission-and-review system, nearly 5 years ago now, and the IACUC launched 4 years ago. That’s a lot of trees saved! Log-on to eProtocol: <a href="https://csu.keyusa.net/">https://csu.keyusa.net/</a>. The IBC implemented its online system 5 years ago. Log on to the IBC system at: <a href="https://protocols.research.colostate.edu/rcr/">https://protocols.research.colostate.edu/rcr/</a></td>
<td>eProtocol will automatically send you up to 3 reminders to renew your protocol. The IBC system also sends automatic reminders. RICRO staff also send reminders so that your research can continue without a lapse in coverage. Some (unnamed!) researchers receive up to 7-8 reminders before submitting their renewal. Help contain the flow of reminders to your in-box, and consider submitting your renewal after you receive the first reminder!</td>
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USDA-NIFA Requires RCR Training
USDA's National Institute of Food and Agriculture now requires training in responsible conduct of research (RCR) for “program directors, faculty, undergraduate students, graduate students, postdoctoral researchers, and any staff participating in the research project.” Documentation of this training is subject to NIFA review upon request. Please see the updated policy outlined below for CSU’s implementation of this regulatory change; CSU’s complete policy can be found at: http://rcr.colostate.edu/index.html

CSU’s RCR Training Policy Overview

CSU’s NIH/NSF RCR Training Policy
- Undergraduate students: Online RCR training only
- Graduate students/Postdoctoral Fellows: Online RCR and approved face-to-face training

CSU’s USDA NIFA RCR Training Policy
- Undergraduate students, Research Scientist/Associate, Faculty: Online RCR training only
- Graduate students/Postdoctoral Fellows: Online RCR and approved face-to-face training

Please contact Carolyn Broccardo, Ph.D., at 491-3133 if you have any questions about RCR training.
Carolyn.broccardo@colostate.edu

For more information on the USDA NIFA RCR training policy please visit:

RCR Events: Academic Integrity Week 2013 & Research Ethics Seminars by Gary Comstock

Academic Integrity Week is designed to help us reduce academic misconduct occurring as a result of students not knowing our expectations for credible scholarship. A wide variety of workshops for students will be presented during the week of Oct. 14-17. The opportunity for extra credit will certainly encourage students to attend.

For more information please visit:
http://tilt.colostate.edu/integrity/integrityWeek2013.cfm

Research Ethics Seminars: Dr. Gary L. Comstock is professor of philosophy at North Carolina State University. His research interests include ethical questions in agriculture, the biological sciences, and the conduct of scientific research.
- Friday, October 18th, 10 am, Grey Rock Room LSC
  Research Ethics: A Philosophical Approach to the Responsible Conduct of Research
- Friday, October 18th, 3:30 pm, Grey Rock Room LSC
  The Blood of Multitudes

About his presentation, Dr. Comstock comments, “The western-looking cultural imagination celebrates the 19th century cattle drives. I briefly review the legacy of benefits, and then ask about hidden costs. Along the way I explore the question of a cow’s mental states and how much, if at all, they matter morally.”
IRB Updates

FDA Updates: The majority of the protocols submitted to the CSU IRB are social and behavioral, but we do have a small number of protocols for biomedical FDA-regulated human subjects research that is being conducted at CSU. While FDA and DHHS regulations are harmonized to a great extent, there are some important differences that investigators must be familiar with as they prepare their protocols. To be certain that the researcher includes the key information required by the FDA, we have updated our biomedical forms to include additional questions that are related to FDA-regulated research (see the general checklist, funding, questions on the continuing review that address data safety monitoring board reports, etc.). You can also access a consent form template that is specifically for FDA-regulated research on our website: http://ricro.colostate.edu/IRB/forms.htm. Planning a project that will involve FDA-regulated research? We are here to help! Contact the Janell Barker or Evelyn Swiss with protocol questions, and contact Cat Bens, Quality Assurance Manager, to assist you with all GxP issues.

Consent Form Date Stamp: If you use a signed consent form as part of the consent process with your participants, you will notice that the IRB coordinators are now finalizing your consent document by adding a text box in the footer that includes both the approved date and the expiration date of the consent form and protocol. You will find the finalized consent document in the consent section of eProtocol once your protocol has been approved. Remember that it is your responsibility to use this approved version of your consent form with your participants.

Exempt Form Changes Exempt research has grown in the past few years and we have recently made some changes to the process. If your project is minimal risk and personal identifiers won’t be collected, be sure to use the Word document found on our Forms website. This can be emailed to janell.barker@colostate.edu. We have added clarification on the consent process; even though the project may be Exempt, the participants still need to be consented and told about the research. We have also changed the timeline of the Exempts. They will be valid for three years from the review; at that time, the project will be closed unless the researcher tells us that more data collection is needed.

We are working on a new & expanded IRB website. The expanded website will include numerous templates, new tip sheets & resources, and will feature a cool Twitter gadget. Be looking for our new website this fall.
Fall 2013 Semi-Annual Animal Care and Use Facility Inspections

The fall 2013 semi-annual animal care and use facility inspections are approaching—they will occur October 14-21, 2013. Members of the IACUC will visit all facilities where animals are housed and taken for procedures. Principal Investigators (PIs) working with animals outside the central facilities have been contacted by RICRO staff regarding the timing of the inspections teams visiting the various facilities. The IACUC asks that PIs and Study Directors make themselves available during the inspection time. A tip sheet for preparing for semi-annual inspections can be found at: http://ricro.colostate.edu/IACUC/Documents/LaboratoryPreparationfortheSemi-AnnualInspection.pdf

Schedule of Events
October—December, 2013

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<tr>
<th>October</th>
<th>November</th>
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<td>2 IBC Deadline 12:00pm</td>
<td>6 IBC Deadline 12:00pm</td>
<td>4 IBC Deadline 12:00pm</td>
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<td>8 IACUC Deadline 12:00pm</td>
<td>7 IRB Human Subjects Protection Training 9:30am-12:00pm</td>
<td>10 IACUC Deadline 12:00pm</td>
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<td>9 IBC Meeting</td>
<td>12 IBC Deadline 12:00pm</td>
<td>11 IBC Meeting</td>
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<td>9 Basic Research Techniques with Mice - UV</td>
<td>14 IRB Deadline 5:00pm</td>
<td>12 IRB Deadline 5:00pm</td>
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<td>10 IRB Deadline 5:00pm</td>
<td>21 IRB Meeting</td>
<td>17 IACUC Meeting</td>
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<td>15-18 Natural Gas Symposium</td>
<td>26 IACUC Meeting</td>
<td>19 IRB Meeting - Canceled</td>
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<td>17 Vice President for Research Bill Farland Reception 4-6:00pm</td>
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<td>25-27 University Closed</td>
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<td>18 IRB Retreat and Meeting</td>
<td>TBA Basic Research Techniques with Mice - UV</td>
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RESEARCH ETHICS:
A Philosophical Approach to the Responsible Conduct of Research

October 18 • 10AM • Grey Rock Room • Lory Student Center

Dr. Gary L. Comstock

Gary L. Comstock is a Professor of Philosophy at North Carolina State University where he conducts research on ethical questions in the Biological Sciences. He has published on diverse topics ranging from Responsible Conduct of Research, Agricultural Biotecnology, Saving the Family Farm, and he is currently writing on Learning Machines and the Potential for Cyborg Intelligence and Animal Cognition.

Contact Information:
Carolyn Broccardo, Ph.D
Colorado State University, Fort Collins, CO
Carolyn. Broccardo@colostate.edu

Cyborg Photo: Roberto Rizzato. Poster: giesergraphics.com