



Autumn 2023

The semester, and the calendar year, are rapidly drawing to a close. I hope that 2022 was a good year for you and your research, and that you have time over the holiday season to spend time with people you care about, rest, and recharge. Consider the information below to help navigate the new year.

The CHIPS and Science Act of 2022 (

<https://www.commerce.senate.gov/services/files/1201E1CA-73CB-44BB-ADEB-E69634DA9BB9>)

states “Responsible conduct in research training. **Expands the requirement for responsible conduct in research training to include faculty** and other senior personnel ... and expands the scope of such training to include mentoring training and training to raise awareness of research security ...” UC has determined that in addition to the security and mentoring modules impacted researchers must minimally complete CITI RCR training. If you are submitting a proposal and want help with the RCR/RECR plan, please contact integrity@uc.edu.

We are here to facilitate your research.

Feel free to reach out with suggestions, questions, or concerns.

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Research Compliance Officer

Research Integrity Officer

IN THIS ISSUE:

[Animal Care and Use Program](#)

[Controlled Substances](#)

[Export Controls, Research Transparency and Security](#)

[Human Research Protection Program News](#)

[Research Integrity News](#)

[Lab Safety News](#)

[Save the Date and Online Resources](#)

ANIMAL CARE AND USE PROGRAM

IACUC RAP Help Center

The [IACUC RAP website](#) now features a Help Center that contains links to all ACUP policies and guidelines, RAP tutorials and manuals, and Huron video guides. You can access the Help Center by logging into IACUC RAP and clicking the “Help Center” link in the grey navigation bar.

Changes to Anesthesia/Analgesia Guidelines

As of October 1, 2023, all protocols now reflect the new dosing regimens for anesthetics and analgesics. As always, it is important to ensure that everyone on the protocol is familiar with the current version.

Registering New Satellite Locations

Complete the [New Satellite Location form](#) to register a new satellite location (e.g., drug storage, feed storage, housing, or procedure). Review [ACUP Policy #109 “Satellite Housing”](#) and [ACUP Satellite Animal Use Areas and Diet Storage Locations guidelines](#) for additional requirements.

Food and Fluid (Water) Requirements

All animals must be provided with adequate food and water unless an exception is approved by the IACUC. To comply place weaned/separated rodents in cages with sufficient food, a water bottle that is ≥50% full, enrichment, and a cage card. Rodents on protocols approved for food and/or fluid (water) restriction need appropriate cage cards and documentation per [ACUP Policy #103 “Food or Fluid Regulation Requirements for Rodents”](#).

[-back to top-](#)

CONTROLLED SUBSTANCES

To comply with regulations and policy anyone working with controlled substances in research not involving human participants needs to be aware of the following **requirements and tools**:

- UC controlled substance [policy](#) and [procedures](#),
- UC resources (forms, tutorials, and FAQs) on [Research How 2](#) and [Bearcats Landing](#),
- Controlled substance [training](#) and [Security Release Form](#),
- Controlled substances inventory annually to satisfy both [OBP](#) and [DEA](#) requirements,
- Maintain an updated [Authorized Agents List](#) with your controlled substance records, and
- Maintain Schedule I & II records [separately](#) from all other laboratory and/or administrative records.

EXPORT CONTROLS, RESEARCH TRANSPARENCY, AND SECURITY

System Updates Protect Cybersecurity

Computer system updates can be inconvenient, but they play an important role in cybersecurity by patching and closing system vulnerabilities to protect our computers, data, and privacy. Performing regular updates on your operating system (e.g. Windows 10) as well as your software (e.g. Adobe) is a great way to maintain system security and add new features to your system or software. [Submit a ticket to DTS](#) if you need help installing updates.

[-back to top-](#)

HUMAN RESEARCH PROTECTIONS PROGRAM

Advarra Reliance and Informed Consent Forms

Advarra plans to eliminate the Mandatory Language Document (MLD) by January 2024. MLD captures local site requirements for informed consent forms (ICFs). Instead institutional boilerplate language will be inserted in the ICF or in a site-specific ICF addendum. Advarra will continue to review site-submitted tracked changes to the Advarra approved Master ICF template for HIPAA, compensation for injury, and participant compensation.

ResearchMatch and International Research Participants

[ResearchMatch](#) recruitment is accessible to interested participants internationally. If you discover that your study has enrolled participants outside of the U.S.A., contrary to the approved study protocol, you need to submit an RNI. If you wish to enroll internationally you also need to submit a modification.

[-back to top-](#)

LAB SAFETY NEWS

BIOSAFETY

Liquid Nitrogen Safety

All laboratory personnel should remember 3 important points when freezing biological samples in liquid nitrogen: Liquid nitrogen can cause cold burns with potentially severe tissue damage. Liquid nitrogen is a simple asphyxiant, adequate ventilation is necessary to prevent suffocation. Vials can explode due to rapid expansion liquid to gas, particularly when a sample is removed from the liquid phase and thawed. An exploded cryovial with infectious material content constitutes a biohazard spill. For more information review the [cryovials and liquid nitrogen storage](#) safety fact sheet.

Lab Accidents

Laboratory accidents happen. All incidents involving recombinant or synthetic nucleic acid molecules must be reported, regardless of the source of research funding. The Biosafety Office will help the PI complete a [Recombinant or Synthetic Nucleic Acids Report form](#). There is no penalty for reporting an accident, it's a learning opportunity and a regulatory mandate. Learn more about accident response and reporting on our [Lab Accidents page](#).

RADIATION SAFETY

Winter Holiday Closure

The Radiation Safety Office (RSOf) will be closed on November 23rd and 24th, and again December 25th through January 1st. All orders for radioactive materials must be delivered to the RSOf by November 22nd, 2023 and by December 22nd, 2023. Please contact the RSOf at 513-558-4110 to make any special arrangements during close or to ask questions. If there is a radiological emergency during close, page the on-call technician at 513-249-6812.

[-back to top-](#)

SAVE THE DATE & ONLINE RESOURCES

• NIH's **Scientific Workforce Diversity Seminar Series**, "[How Do Research-Active Institutions Impact the Diversity of the Scientific Workforce?](#)" November 30th from 1:30-3:00 PM ET.

[-back to top-](#)