



Institutional Biosafety Committee

Minutes September 9, 2025 Zoom Meeting Start time: 3:00pm End time: 3:36pm

- Members Present:
Katherine Chadwell, IBC Chair DNP, APRN, GNP-BC, GCNS, CPHQ, College of Nursing
Nicole Compo, DVM, DVSc, Attending Veterinarian
Frank Novembre, Ph.D., Biological Safety Officer, EH&S
Susan Laramore Ph.D., Associate Research Professor, HBOI
Alex Mavrelis, B.S., Non-Affiliated, Community Member
Andrew Oleinikov, Ph.D., Professor of Biomedical Science, College of Medicine
Qi Zhang, Ph.D., Associate Professor of Chemistry and Biochemistry, College of Science
- Others Present:
Elisa Gaucher, M.B.A., Assistant Vice President for Research Integrity
Kristen Ware, Ph.D., Associate Director, Animal Research Protections Program
Andrew Donovan, B.A., IBC Coordinator

1 Welcome

- Notice of Recording
- Confidentiality Disclosure
- Conflict of Interest Disclosure
- Review of Meeting Minutes from August 12, 2025
- **Motion: To approve minutes**
Motion Seconded and Unanimously Approved

2 Expedited Reviews

- **B22-06.05** – Wei, Jianning: *Molecular Pathogenesis of Huntington's Disease*
- **B25-29** – Wang, Yingcai: *Identification of Epigenetic Mechanisms of Resistance to Chemotherapy in Pediatric Acute Lymphoblastic Leukemia*
- **B23-06.02** – van Praag, Henriette: *The Development of New Neurons in the Adult and Aging Brain*
- **B25-28** – Huang, Xupei: *Correction of Diastolic Dysfunction and Diastolic Heart Failure in Mice With RCM*
- **B25-27** – Blakely, Randy: *Knock-in Mouse Models of Dopamine Dysfunction Underlying Traits of ADHD*

3 Administrative Amendments

4 Committee Reviews

- **B25-31** – Allani, Shailaja: *Oxidative Stress and Development of Therapeutics*
 - This is a three year renewal for an existing registration.
 - The first project involves students extracting DNA from their own hair. The committee has previously decided that no biosafety training is required for students handling their own hair.
 - The second project studies oxidative stress on human cells.
 - The project description states that a biosafety cabinet will be used “whenever possible.”
 - The third project involves the use of rDNA to increase methionine sulfoxide reductase enzyme levels in both normal and cancer cells.
 - The use of plasmids and AAV vectors is adequately described. The vectors are produced by a third party.
 - The project description states that lysates will be processed in a biosafety cabinet “whenever possible.”
 - While the project and safety procedures are described appropriately, the project is listed as BSL-1. It should be listed as BSL-2.
 - The sections of the work described as taking place in a biosafety cabinet “whenever possible”, are appropriate outside a biosafety cabinet at BSL-2.
- **Motion: To approve pending update of biosafety level to BSL-2**
Motion Seconded and Unanimously Approved
- **B25-32** – Parise, Eric: *Extracellular Matrix (ECM) Remodeling and Circuit Function in Stress- and Drug-Related Behaviors*
 - This registration is for a new PI who will be studying the brain’s extracellular matrix and how it regulates, stress resilience, depression, and addiction.
 - This project uses human cells and transgenic mice.
 - Some of the handling description is in the human source materials and viral vectors sections, whereas the project description section is less in depth.
 - These descriptions should be moved to the project description section for consistency across registrations.
 - Mice will be injected with AAV vectors. This section of the description should have more detail about the procedure.

- This detail should include a description of the storage and preparation of the viral vectors as well as a description of the injection itself and decontamination procedures.
- ***Motion: To approve pending the amendment of the project description to include the information provided in the other sections and to include detail regarding AAV injections. These changes can be reviewed by the committee by email and brought to the next meeting if needed.***
Motion Seconded and Unanimously Approved
- **B25-33** – Spencer, Casey: *CNS Network Coordination and Glial Related Studies*
 - This registration involves the use of transgenic flies to study how the nervous system changes with age.
 - The risk mitigation and containment is well described.
 - These are the only transgenic materials in use and they are appropriately described at BSL-1
- ***Motion: To approve.***
Motion Seconded and Unanimously Approved
- **B25-21.01** – Duboue, Erik: *Determining the Neuronal and Evolutionary Forces Driving Behavior*
 - This is an amendment to the renewed registration approved by the committee at the meeting before last.
 - The amendment adds two new lines of fish created by DNA microinjection.
 - The new fish lines disable an existing gene.
 - The handling and safety procedures remain the same.
- ***Motion: To approve.***
Motion Seconded and Unanimously Approved
- **10.12.06** – Reporting Requirements
 - This policy is unchanged but has not been reviewed by the committee for more than three years.
 - The document outlines the policies for PIs reporting incidents, exposures, and noncompliances to the Biosafety Officer, and for the BSO, IBC, and IO reporting to the NIH as required by the NIH Guidelines.
 - Different types of exposures require different levels of response as outlined by the Guidelines.
 - The NIH guidance for reporting has not changed.
- ***Motion: To approve.***
Motion Seconded and Unanimously Approved

5 Other Business

- **10.12.07** – DURC/PEPP Policy

- The IBC approved a DURC/PEPP policy in response to new NIH DURC/PEPP requirements.
- These NIH requirements were later rescinded, and the NIH stated that a new policy would be sent out within 120 days.
- More than 120 days have passed and no new guidance has been issued.
- The IBC's approved policy has not been officially adopted, but all of the procedures described have been implemented.
- The NIH has also sent out an email describing their plan to “modernize the biosafety framework”.