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## Institutional Biosafety Committee

### Minutes August 12, 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  
Patricia Lord, Pharm.D, Non-Affiliated Community Member  
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 July 8, 2025
- **Motion: To approve minutes**  
**Motion Seconded and Unanimously Approved**

## 2 Expedited Reviews

- **B25-23** – Terentis, Andrew: *Ex Vivo Raman Spectroscopic Measurements On Skin Cancer Samples*
- **B25-24** – Milton, Sarah: *Effects of in Vitro Toxicant Exposure On Cultured Sea Turtle Fibropapilloma Tissues*
- **B25-25** – Du, Sarah: *Cell Biomechanics in Human Diseases*
- **B23-10.02** – Page-Karjian, Annie: *FAU HBOI's Florida Whales and Dolphins Stranding and Population Assessment Program*
- **B25-19.02** – Quan, Ning: *Quan Lab*
- **B24-10.02** – Toll, Lawrence: *Mixed NOP/mu Compounds and the Involvement of the Receptors in Analgesia*

- **B24-04.02** – Oleinikov, Andrew: *Studies of Protective Immunity and Biophysical Characteristics of Parasites in Malaria, and Anti-malarial Drugs*
- **B25-26** – Nouri-Shirazi, Mahyar: *Preexisting Immunity to Childhood and COVID-19 Vaccines*

### 3 Administrative Amendments

### 4 Committee Reviews

- **B25-27** – Blakely, Randy: *Knock-in Mouse Models of Dopamine Dysfunction Underlying Traits of ADHD*
  - This is a three year renewal.
  - The lists of project team members and work locations should be reviewed and updated.
  - The first project examines the role dopamine transporter in ADHD using transgenic mice carrying a rare human DAT mutation.
  - The use of cell lines and AAV should be better explained including details about AAV storage and disposal.
  - The second project focuses on the fundamental mechanism of dopamine signaling in brain function and its implication in addiction and brain disorders. It uses transgenic mice and worms.
  - The source of cells (mouse or human) is unclear.
  - The third project examines a worm gene (swip-10) and its mammalian analog (Mblac1).
  - The use of AAV should be better explained including details about AAV storage and disposal.
  - This project examines serotonin transporter investigates the interplay between neuro-immune pathways and 5-HT signaling.
  - The use of AAV should be better explained including details about AAV storage and disposal.
  - It's unclear if Adenovirus is being used in addition to AAV. This should be clarified, and if it is in use, the storage of AV and disposal should also be described.
  - The descriptions otherwise are appropriate and the safety procedures described are adequate at BSL-2.
- **Motion: To approve pending clarifications on the above issues from the PI. These changes can be reviewed by the committee by email and brought to the next meeting if needed.**  
**Motion Seconded and Unanimously Approved**

- **B25-28** – Huang, Xupei: *Correction of Diastolic Dysfunction and Diastolic Heart Failure in Mice With RCM*
  - This is a three year renewal.
  - The project studies restrictive cardiomyopathy using transgenic mice and AAV vectors.
  - The project description states that disposable needles will be placed in a biological sharps container and rinsed with 100% ethanol.
  - It's unclear what is being rinsed in this description. Disposed needles should not be rinsed.
  - 100% ethanol should not be used as a disinfectant as it is hazardously flammable and less effective than lower concentrations.
  - Ethanol is also not effective specifically for AAV.
  - The rinse solution is stated to be double containered and disposed of as hazardous waste. This solution can be disposed of in the drain as normal.
  - The section should be rewritten to increase clarity. A new disinfectant (such as bleach) should be selected and an appropriate concentration and contact time described.
  - A description of the thawing and preparation of the vector including any methods for mitigation of risk (biosafety cabinet, etc.) should be added.
  - In section 7B of the rDNA survey, the question "Do your experiments involve the introduction of less than 2/3 of a eukaryotic viral genome into a non-human vertebrate or invertebrate?" should be answered "yes" based on the project description.
- **Motion: To approve pending clarifications on the above issues from the PI. These changes can be reviewed by the committee by email and brought to the next meeting if needed.**  
**Motion Seconded and Unanimously Approved**

## 5 Other Business