



Institutional Biosafety Committee

Minutes

December 2, 2025

Zoom Meeting

Start time: 3:00pm

End time: 3:31pm

- 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

Dana Weinstein, RN, Associate General Counsel, Research

1 Welcome

- Notice of Recording
- Confidentiality Disclosure
- Conflict of Interest Disclosure
- Review of Meeting Minutes from October 14, 2025
- **Motion: To approve minutes**
Motion Seconded and Unanimously Approved

2 Expedited Reviews

- **B25-03.02** – Fields, Gregg: *To Assess the Impact of Modulating the Expression Matrix Metalloproteinases On Various Cell Types*
- **B24-20.02** – Subramaniam, Srinivasa: *Mechanisms of Neuronal Degeneration in A 3NP-toxin Model of Huntington Disease*
- **B23-17.01** – Grant, Patrick: *Identification of Epigenetic Mechanisms of Resistance to Chemotherapy in Pediatric Acute Lymphoblastic Leukemia (ALL)*
- **B25-27.01** – Blakely, Randy: *Knock-in Mouse Models of Dopamine Dysfunction Underlying Traits of ADHD*

3 Administrative Amendments

4 Committee Reviews

- **B23-08.05** – Krill, Jennifer: *Effect of SARS-CoV-2 Proteins On the Chemosensory System in Drosophila Melanogaster*
 - This is an amendment to an existing registration. The project is for undergraduate research.
 - The project involves using transgenic flies to study a variety of topics including SARS-CoV-2 proteins, cardiac development, and neurodegeneration.
 - The amendment adds new transgenic lines
 - The amendment adds no new biosafety issues.
- **Motion: To approve**
Motion Seconded and Unanimously Approved
- **B25-37** – Giannikou, Krinio: *Non-Invasive Detection of Post-Chemotherapy Teratoma Via Methylation Profiling of Liquid Biopsy*
 - This is a new registration for two new projects studying germ cell tumors.
 - The overall research goal is to develop non-invasive diagnostics that differentiate between tumor tissues, necrotic tissue, and remission tissue.
 - The first project involves Methylated DNA analysis using patient samples, germ cell tumor cell lines, and plasmids.
 - The second project involves KHDC3L gene dis-regulation in germ cell tumors using CRISPR-Cas9 and lentiviral vectors.
 - This registration needs more information about the use of CRISPR-Cas9 in order to make a determination.
 - All plasmids associated with CRISPR should be listed.
 - HEK cells described in virus production should be listed in the appropriate section.
 - Autoclave decontamination is not approved and should be replaced with bleach decontamination.
- **Motion: To approve pending requested modifications**
Motion Seconded and Unanimously Approved
- **B23-17.02** – Grant, Patrick: *Identification of Epigenetic Mechanisms of Resistance to Chemotherapy in Pediatric Acute Lymphoblastic Leukemia (ALL)*
 - This is an amendment to an existing project studying lymphoblastic leukemia.

- The amendment adds two knockout cell lines linked to chemotherapy resistance.
 - PET16B plasmid constructs containing BAS1A and BAS1B genes are used for rescue/overexpression experiments.
 - These additions do not alter the existing biosafety concerns or the procedures previously described.
 - These plasmids should also be listed in the appropriate section.
- ***Motion: To approve with requested modifications***
Motion Seconded and Unanimously Approved
- **B24-18.03** – Pieraut, Simon: *Cellular and Molecular Mechanisms of Structural Plasticity*
 - This is an amendment to an existing registration.
 - The amendment adds four AAV vectors. These vectors each contain a single guided RNA.
 - The vectors are produced commercially.
 - The PPE, waste, and handling precautions described are satisfactory.
 - One vector is labeled as “non-viral”
 - Aliquoting and storage procedures should be described in more detail.
 - Specific sequences listed in the project description should be added to the viral vector registration form.
- ***Motion: To approve pending requested modifications***
Motion Seconded and Unanimously Approved
- **B25-19.03** – Quan, Ning: *Quan Lab*
 - This is an amendment to an existing registration for a project studying interleukin-1.
 - The amendment adds four AAV vectors, used for intracranial injection, and one transgenic mouse strain.
 - These additions do not alter the existing biosafety concerns or the procedures previously described.
- ***Motion: To approve***
Motion Seconded and Unanimously Approved

5 Other Business