

Illinois State University
Institutional Biosafety Committee (IBC) Meeting Minutes

Date: 8/21/2025

Location: JH 228 & Zoom

Start time: 1:02 pm **End time:** 2:04 pm

Members Present: Adam McCrary, Harmony Kiley, Tom Hammond, Kathy Spence, Wolfgang Stein (left at 1:53 pm), Amy Gilliland, Viktor Kirik, Riley Francis (left at 1:26 pm)

Members Absent: Tom Anderson

Guests Present: None

Staff Present: Jessica Lowe

I. Chair Reminder- Declare Conflicts of Interest for Protocol Reviews

- a. Wolfgang Stein will recuse himself during protocol review IBC-2025-0000013

II. Review of 7/23/2025 IBC Meeting Minutes

- a. Motioned to approve minutes pending the removal of room numbers.

Motion: AM motioned to approve, WS seconds

For: 8; **Against:** 0; **Abstain:** 0

III. Prior Business

- a. NIH IBC Self-Assessment
- i. Still in progress, has been put on hold due to Cayuse implementation. IBC Chair and BSO to schedule a time to finish the Self-Assessment. When assessment is complete, BSO and Chair will be reported back to IBC.
- b. June minutes were posted for public accessibility on the EHS website using the NIH template.

IV. Protocol Review

- a. **Full Committee Review- New Applications**
- i.

IBC Protocol #	PI	Title	BSL	Risk Group	Building
IBC-2025-0000011	Jeremy Langdon	Vivarium operations for various wild-caught animals	2	2	FSA

Project Overview:

Multiple approved research projects currently require the housing and husbandry of wild-caught and domestic birds, wild-caught house mice (*Mus musculus*), wild-caught deer mice (*Peromyscus maniculatus*), and wild-caught white-footed mice (*Peromyscus leucopus*). The goal of this protocol is to ensure that the animals, their caging, and their waste are handled properly to ensure the safety of all people involved in their use and care.

Risk Assessment/Discussion:

High (Significant risk of health effects from exposure, even with controls in place. Additional controls will be required to prevent exposure and may require department and/or college-level approval)

Training:

Not all personnel have completed the required CITI training. Personnel have completed Zoonosis and Working Safely with Animals Training.

NIH Guidelines Section:

N/A - No work with recombinant or synthetic nucleic acid molecules

Occupational Health Representative review:

Personnel under this protocol are being provided with occupational health screenings at OSF Occupational Health as a part of the IACUC protocol. Personnel utilize N95 respirators, engineering controls, and appropriate Personal Protective Equipment (PPE) to mitigate potential occupational exposures.

Additional Comments:

- Change title of protocol to “Vivarium operations for wild-caught animals and vendor-supplied animals without a health certification”
- Add more details for each animal regarding potential diseases/zoonoses
- Remove laminar flow hood from document and change to Animal Transfer Station with make/model #. Also, add dump station for animal waste handling and cage washer for cage changing as an additional engineering control.
- Safety – remove laminar flow hood throughout and replace with animal transfer station
- Safety – indicate that inventory control is PI dictated per approved IACUC protocol
- Indicate that N95 respiratory protection can be made available but is not required for all animal handling. Respiratory protection will be coordinated with EHS.

Motion: Approve pending minor modifications listed above TH motioned to approve, AG seconds	For: 7	Recuse:	Against:	Abstain:	Absent: 2
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ii.

IBC Protocol #	PI	Title	BSL	Risk Group	Building
IBC-2025-0000013	Wolfgang Stein	Drosophila model for studying the genetic basis of migraines	1	1	SLB

Project Overview:

We study the physiological basis for migraine. We use genetically modified fly strains for these studies. We generate mutant fruit flies (*Drosophila melanogaster*) using genetic crosses from commercially available transgenic flies. The resulting expression of reporter genes such as GCaMP or other fluorescent markers in neurons of the brain allows us to characterize fly brain activity using fluorescence imaging, in addition to electrophysiology. Flies will be immobilized, and neuronal tissue will be dissected for imaging. No cloning is required.

Risk Assessment/Discussion:

Low (Almost no chance of harm)

Training:

All personnel have completed CITI Hazard Communication Training, CITI Initial Biosafety Training, and Zoonosis and Working Safely with Animals Training.

NIH Guidelines Section:

Section III-D4: This research involves (1) the deliberate transfer of recombinant or synthetic nucleic acid molecules, DNA or RNA derived from recombinant or synthetic nucleic acid molecules, or recombinant or synthetic nucleic acid molecule-modified microorganisms into whole animals AND/OR (2) whole animals in which the animal's germline genome has been altered by recombinant or synthetic nucleic acid molecules (or nucleic acids derived therefrom).

Occupational Health Representative review:

This protocol does not require any medical screening. Appropriate controls are in place to mitigate injuries and lab acquired infections.

Additional Comments:

- Add microscopy room
- Add explanation for how dissections are performed without sharps.

Motion: Motioned to approve pending minor modifications AM motioned, AG seconded	For: 6	Recuse: 1	Against:	Abstain:	Absent: 2
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b. Member Review- Upcoming for September Full Committee Review

- i. IBC-2025-0000015 – Culturing and experimental infection of bumblebees with *Crithidia bombi* – Ben Sadd
- ii. IBC-2025-0000016 – Culturing and reinoculation of beneficial gut bacteria of bumblebees – Ben Sadd
- iii. IBC-2025-0000017 – Culturing non-pathogenic BSL1 bacteria for insect immune challenge/immune assays – Ben Sadd
- iv. IBC-2025-0000018 – Experimental infection of bumblebees with Israeli Acute Paralysis Virus (IAPV) – Ben Sadd

c. IBC Chair Review

- i. IBC-2025-0000014 – Experimentation with wild-caught *Peromyscus* and *Mus* species in captivity – Javier del Barco Trillo
 1. IBC Chair approved; downgraded to BSL1. All mice have been screened and tested. Under this protocol, no other wild-caught *Peromyscus* will be brought into vivarium.

d. Emails sent 8/1/25 to PIs with Protocols Due for Renewal in November

- i. EHS has sent out reminder emails to submit protocols in Cayuse Hazard Safety 90 days in advance to PIs with protocols due for renewal in November.

V. New Business

- a. Autoclave indicator strips
 - i. Log-book change
 - ii. Indicator strips will be available from AG.
 - iii. EHS/AG to send out communication to all Biology faculty about new requirement.
- b. Discuss adding requirement to Cayuse or signs next to autoclave

<https://mesalabs.com/products/sterilization-cleaning-monitoring/prochem-ssw?srsId=AfmBOoq-i39q3UffINUB2e6kVPtYuQIXNv5kmux9vTn3FGNaDfCsPV84>

 - i. Instruction signage to be added to autoclaves

c. Laura Vogel lab closeout for protocol 07B-2024

i. Closeout completed. No concerns

VI. Review of Incidents

a. No incidents

VII. Inspections/Ongoing Oversight

a. No new lab inspection reports

b. Wednesday, September 10th @ 1:30 pm. Meet in SLB atrium

VIII. IBC Training

a. Completed onboarding with Riley Francis on Friday 8/15/25. Included Microsoft Teams, Cayuse Hazard Safety, & CITI Training.

b. Discussion about adding training for committee members for future meetings.

IX. Public Comments

a. There were no public comments.

X. Open Discussion

a. No comments.

XI. Next Scheduled Meeting Date

a. Thursday, September 18th from 1:00-2:00pm JH 228 and Zoom

XII. Adjournment

a. The IBC Chair (TH) moved to adjourn the meeting at 2:04PM.