

INSTITUTIONAL BIOSAFETY COMMITTEE

12:01 p.m.

LJH 325 Conference Room

Meeting Minutes

August 12, 2026

Members Present:

Jovanka Voyich-Kane, Microbiology & Cell Biology, chair
Amy Robison, Biosafety Officer
Kristen Connolly, Center for Biofilm Engineering
Kim Hilmer, Chemistry/Biochemistry
Dale Huls, Office of Sponsored Programs
Alyssa Evans, Microbiology & Cell Biology
Mike Giroux, Plant Sciences & Plant Pathology
Blake Wiedenheft, Microbiology & Cell Biology
Jennifer DuBois, Chemistry/Biochemistry
Matt Taylor, Microbiology & Cell Biology, IACUC Chair

Members Absent:

Katie Rowse, Community Member
Josh Charles, Bozeman Fire Department, Community Member

Ex-Officio Members Present:

Kirk Lubick, Research Integrity & Compliance
Nicole Soll, Research Integrity & Compliance

Ex-Officio Members Absent:

Jaspur Kolar, Bridger Occupational Health & Urgent Care
Tammy Lynn, Safety & Risk Management

Guests:

Cody Ragan, Safety & Risk Management
Mark DeWald, Research Integrity & Compliance

I. Review and approval of IBC Meeting Minutes from July 14, 2026.

The minutes were approved as written. Approved 9, Nays 0, Abstained 0

II. Announcements from the Chair: none

III. Protocols/Amendments/Renewals/Interim Reviews Approved Since Last Meeting

1. Originals
none
2. Amendments
 - 2025-377 Loveday: added new plasmid
 - 2025-385 Litt: added personnel, modified language about masking requirements
 - 2025-388 Martin: updated protocol objectives, personnel, recombinant/synthetic nucleic acid materials and human materials
 - 2026-124 DuBois: updated personnel
 - 2026-590 Bassing: updated PPE to include: wearing N95 respirator, snake gators, coveralls; updated disinfectant option; updated DNA/RNA Shield reagent for tissue sample storage
 - 2026-99 Miles: updated personnel
3. Interim Reviews
 - 2024-538 Skyberg: added shipping information to Protocol Objectives, added shipper information to shipping section, and updated funding.
 - 2024-76 Lawrence: updated personnel
 - 2025-106 Dlakic: no updates
4. Renewals
 - 2026-19 Fischer: *Cereal and Camelina Quality and Biochemistry*

- 2026-240 Yan: *Investigate the interactions between plant-beneficial bacteria and their plant hosts*
- 2026-64 Bimczok: *Epithelial and immune responses to mucosal infections*
- 2026-472 Hatzenpichler: *Human fecal and biopsy samples to study the human gut microbiome.*

IV. New Business

A. Review of Protocols

1. Originals

608 Boyd “Metabolic response of subsurface microbial communities to amendment with carbon rich waste streams”

Overview: The goal of this project is to determine whether organic carbon rich waste streams (urine and fecal material) from swine production facilities can be used to alter microbial activities of subsurface microbial communities.

Risk mitigation includes: Transportation to MSU is done in approved primary and secondary containers; all work with open containers is done in the BSC; decontamination procedures are adequately outlined.

Biohazardous Agents: Unknown Bacteria

Strains: Unknown

Biosafety Level: 2

Recombinant/Synthetic Nucleic Acid Molecules:

None

Motion to Approve

Approved 9, Nays 0, Abstained 0

606 Bimczok “A drosophila model of *Vibrio cholerae* infection”

Overview: *Drosophila melanogaster* will be orally exposed to *Vibrio cholerae* bacteria in an infection model. The goal of these studies is to determine the effect of nitric oxide on *V. cholerae* biofilm formation and virulence in the gut.

Risk mitigation includes: Inbred *Drosophila* lines used in this experiment have significant fitness disadvantages; fly containment procedures are in place; gas anesthesia is utilized whenever moving flies; work that could cause aerosols is conducted in the BSC; PPE and waste decontamination procedures are adequately outlined.

Biohazardous Agents: *Vibrio cholerae*

Strains: O395

Biosafety Level: 2

Recombinant/Synthetic Nucleic Acid Molecules:

Host: *V. cholerae*

Vector/Plasmid: pGP704sac28, pGP704sac28::Δvps-Ilop, pGP704sac28::Tn7-GFP, pUX-BF13, pBAD-Hnox2

Inserted Nucleic Acids/Genes of Interest: constructs for gene deletion, GFP, Tn7 transposon genes

Biosafety Level: 2

Host: *D. melanogaster*

Vector/Plasmid: *S. cerevisiae*: UAS regulatory DNA, *D. melanogaster* NosGene and p-element inverted repeats

Inserted Nucleic Acids/Genes of Interest: pUAS

Biosafety Level: 1

NIH Guidelines: III-D

Motion to return for modification and DMR

Approved 10, Nays 0, Abstained 0

Approved items to be addressed include:

Protocols Objectives:

- Add that you will transport live flies in a state-owned vehicle between labs.
- Provide reference for fitness disadvantages in inbred compared to wild-type flies.

Laboratory Signage:

- Amend this answer to Yes

2. Renewals

None

3. Interim Reviews

None

4. Amendments

None

V. Unfinished Business

VI. Biosafety Officer Updates

- Biosafety Manual

Overview of updated grammar and word fixes, updated links, and information added based on questions asked during lab inspections.

Chapter 3 – Regulatory Guidelines

Chapter 6 – biosafety Principles

Chapter 8 – Laboratory Biosafety Practices

Chapter 11 – Training for Laboratory Personnel

Overview and discussion of new Chapter 15 – Fixation and Inactivation Methods

Motion to approve pending minor administrative changes

Approved 10, Nays 0, Abstained 0

- Update on Dangerous Gain of Function research

BSO provided summary of new USG Policy for Stopping High-Risk Life Sciences Research published July 20, 2026, including major points that differ from prior policies and the timeline for implementation.

The meeting was adjourned at 12:42 p.m.