

INSTITUTIONAL BIOSAFETY COMMITTEE

12:02 p.m.

Microsoft Teams Virtual Meeting

Meeting Minutes

July 9, 2025

Members Present:

Jovanka Voyich-Kane, Microbiology & Cell Biology, chair
Amy Robison, Biosafety Officer
Alyssa Evans, Microbiology & Cell Biology
Sandy Sward, Office of Sponsored Programs
Michael Babcock, IACUC Chair
Jerod Skyberg, Microbiology & Cell Biology
Kristen Connolly, Center for Biofilm Engineering

Members Absent:

Kim Center, Community Member
Tim Borgogna, Center for Biofilm Engineering
Blake Wiedenheft, Microbiology & Cell Biology
Josh Charles, Bozeman Fire Department, Community Member
Jennifer DuBois, Chemistry/Biochemistry
Mike Giroux, Plant Sciences & Plant Pathology

Ex-Officio Members Present:

Tammy Lynn, Safety & Risk Management
Nicole Soll, Research Integrity & Compliance
Scott Sanders, Emergency Management
Kirk Lubick, Research Integrity & Compliance
Jaspur Kolar, Bridger Occupational Health & Urgent Care

Ex-Officio Members Absent:

none

Guests:

Mark DeWald, Research Integrity & Compliance

I. **Review and approval of IBC Meeting Minutes from June 11, 2025.** The minutes were approved as written.

II. **Announcements from the Chair:** none.

III. **Protocols/Amendments/Renewals/Interim Reviews Approved since June Meeting:**

Protocol #	Ref...	Ver...	Principal Investig...	Title	Protocol Ty...	Approval D...	Expiration D...	Author
2024-75-IBC	75	10	Carlson, Ross	Analysis and Predictive Multiscale Modeling of Microbial Co...	Amendment	6/26/2025	9/30/2027	Bartlett, Ryan
2024-52-IBC	52	19	Walk, Seth	Ecology of the Mammalian Microbiome	Amendment	6/11/2025	9/30/2027	Bartlett, Ryan
2023-481 -IBC	481	4	Voyich, Jovanka	Wildlife Microbiome Analysis	Amendment	6/19/2025	11/30/2026	Voyich, Jovanka
2025-385-IBC	385	6	Litt, Andrea	Understanding ecology of bats to inform conservation	Amendment	6/12/2025	4/30/2028	Litt, Andrea
2023-14-IBC	14	11	Merzdorf, Christa	The role of Zic1 and of its direct targets, such as aqp3b, duri...	Amendment	6/18/2025	1/31/2026	Mee, Danielle
2023-11-IBC	11	22	Rynda-Apple, Agniesz...	Influenza viruses for use in research projects in the Apple lab	Amendment	6/12/2025	1/31/2026	Mee, Danielle
2023-63-IBC	63	11	June, Ronald	Musculoskeletal Molecular Biology	Interim Review	7/2/2025	8/31/2027	Bartlett, Ryan
2024-62-IBC	62	8	Broderick, Joan	Iron-Sulfur Clusters in Biological Radical Generation	Interim Review	6/19/2025	8/31/2027	Bartlett, Ryan
2023-53-IBC	53	11	Voyich, Jovanka	Mechanisms of Innate Immune Evasion Used by Pathogenic ...	Interim Review	6/19/2025	6/30/2026	Mee, Danielle
2023-19-IBC	19	7	Fischer, Andreas	Cereal and Camelina Quality and Biochemistry	Interim Review	6/24/2025	8/30/2026	Mee, Danielle
2025-388-IBC	388	4	Martin, Stephen	Biology of Aging Laboratory Molecular Biology Work and A...	Renewal	6/12/2025	6/30/2028	Martin, Stephen
2025-382-IBC	382	4	Martin, Stephen	Biological Specimen Testing in the Translational Biomarkers ...	Renewal	6/17/2025	6/30/2028	Martin, Stephen
2025-115-IBC	115	13	Halonen, Sandra	Naegleria fowleri and other pathogenic Free-living Amoeba'...	Renewal	7/2/2025	7/31/2028	Mee, Danielle
2025-105-IBC	105	6	Cloninger, Mary	Galectin purification and use in cell based assays	Renewal	6/13/2025	6/30/2028	Mee, Danielle

Amendments

2024-75: amended microorganism list and updated biological material shipping information and shipper's name

and training info

2024-52: updated protocol objectives

2023-481: added shipping information

2025-385: updated personnel, added methods for administering vaccine for white-nose syndrome

2023-14: Add GFP-LC3-RFP-LC3DeltaG plasmid

2023-11: updated personnel

IV. New Business

A. Review of Protocols

Originals

None

Renewals

None

Interim Reviews

None

Amendments

555 Heveran "Biom mineralization studies using microorganisms and bone fragility studies using mouse tissues"

Overview: To improve the sustainability of building and infrastructure materials through using biom mineralization as a form of 'biocementation.'

Biohazardous Agents: Escherichia coli cloning

Strains: MJK2

Biosafety Level: 1

Biohazardous Agents: Sporosarcina pasteurii

Strains: ATCC 11859

Biosafety Level: 1

Biohazardous Agents: Neurospora crassa

Strains: FGSC 2489

Biosafety Level: 1

Biohazardous Agents: Fusarium venenatum

Strains: ATCC PTA-2684

Biosafety Level: 1

Recombinant/Synthetic Nucleic Acid Molecules:

Host: Escherichia coli

Vector/Plasmid: pMK001

Inserted Nucleic Acids/Genes of Interest: Urease genes

NIH Guideline: Section III-D.

Motion to return for modification and BSO approval upon submission.

Approved 7, Nays 0, Abstention 0

Approved items to be addressed include:

Protocol Objectives:

- **Paragraph 3-** Remove " including Sporosarcina pasteurii, Neurospora crassa, Fusarium venenatum, and a recombinant E. coli strain that is a constitutive GFP producer and has inducible urease expression." The organisms are listed in table 5.1 later.
- **In Paragraph 8,** please describe the chemical fixation used before microscopy.
- In the case of live imaging, are cultures in a sealed container?
- **In paragraph 4 and 5** please explain this statement or clarify that dishware is autoclaved prior to washing with soap and water: "Dishware is washed with soap and water and/or autoclaved. Media waste from these experiments is autoclaved before disposal."
- **In paragraph 6** please clarify: "cultures are autoclaved before disposal into a biohazard bin." Should this say "before disposal of liquid waste in an SRM waste container"?

Related Research Request(s):

- List the IACUC protocol for the mouse work

V. Unfinished Business

None

The meeting was adjourned at 12:16 p.m.