

Discussion and Remarks:

Motion: Move to accept the minutes: SR. Second: MM. All in favor, none opposed. (4 - SR, MM, RSS, ER) Abstain: AS and CN

3 Other Business

Review Type: Full Committee Review
Action: Acknowledged
Effective Date: December 4, 2025

Discussion and Remarks:

Introductions - new members Alyssa Schami and Nina Hansen.

4 New Studies

4.1 [2372988-1] Identification of antimicrobial compounds from Arctic soil bacteria

PI: Julia Duncan, PhD, BSc
Submission Type: New Project

Review Type: Full Committee Review
Action: Modifications Required
Effective Date: December 4, 2025
Vote: Total = 6; For = 6; Opposed = 0; Abstained = 0;

Discussion and Remarks:

Motion: Modifications required, Expedited Review: MM. Second: CH. Reviewer: AS/MM, All in favor, none opposed.

Protocol Revisions:

1. Experimental Design - Clarify if you are collecting or purchasing the strains. Clarify what are test pathogens and isolates.
2. Chemical solvent extraction, are you using these with the pathogens mentioned in the bio safety manual. Clarify if you are using a chemical fume hood while using the solvents.
3. Infectious against section, page 5, Acinetobacter lwoffii, this is a BSL-2 required item, please correct the safety level required.
4. Infectious against section, page 6, Escherichia coli, this is a BSL-1 item, please correct the safety level required.
5. You have listed all the same items under infectious against and host strains and cell lines. Address why you have listed them in both areas. Are you using host strains (transformation?) and cell lines? If you are not, please remove the items listed in the 'host strings and cell lines' section.
6. Waste disposal, you mention treating with 20% bleach, clarify how much bleach (provide full ratio). This needs to be addressed throughout all provided documents every time you mention the use of 20% bleach. Example page 9 of the protocol says 'bucket of 20% bleach'.

7. You state you will place a paper towel over the spill, including that personnel will be wearing PPE before placing the paper towel over the spill.
8. Address how you will decontaminate the dustpan, thongs and other items used in a clean up.
9. Spills section, #7 and #8, you mention 10% bleach, address why this varies from the previously mentioned 20% previously referenced. Be consistent with your disinfectant ratios with bleach through all documents in this project package.
10. Correct the Biosafety Officer phone number listed, last four should be #6771.
11. Address in the spill section how you will identify a small vs large spill. For example, if you can't step over it or if you need more than one regular sheet of paper towel. Or is a small spill contained in the BSC and a large spill outside?
12. Training list, 'Biological Safety Cabinet (available through Blackboard)'. Update this section as this training is not offered through Blackboard any longer. UAF uses a training protocol offered through UCLA.
13. Training list - clarify in your protocol/SOP if you are using sharps (scalps, blades, slides). If yes, you will need to add 'Sharps Training' to the training section. If you are not using sharps remove references to these items throughout all documents provided. For example, the Biosafety manual on page 6 mentions injection hazards. Is this needed?
14. Add to training any CITI Program requirements assigned by the ORI.
15. Under 'List any post-exposure procedures', section add that you have to complete and submit an Origami Risk report found under the Reporting Incidents website, 'Report accident or unsafe condition (<https://www.uaf.edu/uaf/contact/reporting.php>).

Bio Safety Manual Revisions:

1. IBC registration number - list IRBNet number for this project.
2. You mention a locking freezer, verify that you have a locking freezer or clarify that you are locking a box within the/a freezer.
3. Section 12, add *Acinetobacter lwoffii* to the provided list.
4. Page 7, add *Acinetobacter lwoffii* to the strains possessing moderate to high aerosol risks.
5. Section 5, update training list to align with protocol list revisions above.
6. Section 9, you are using tuberculocidal agents, it is suggested you go up to 11% bleach. The bleach disinfectant should have a shelf life of one week, please update shelf life.
7. Section 10, you have listed two disinfectants with 10% and 20% bleach respectively. Address why you are listing two different percentages and when you will use each.
8. Define small spill large spill, align this with the protocol. Address personnel putting on your PPE before using the paper towel.
9. Update Biosafety Officer # under large spills (last four #6771).
10. Section 11, add that you have to complete and submit a Origami Risk report found under the Reporting Incidents website, 'Report accident or unsafe condition (<https://www.uaf.edu/uaf/contact/reporting.php>).
11. Section 12, #2 address reference to SOP. Are you using the included SOP? There was conversation that the SP was almost identical to the BioSafety Manual. You can use both but you need to ensure they offer identical information. The SOP is not required if all information is captured in the Biosafety Manual.
12. Section 12, #11 update with previously mentioned revisions.

13. Section 12, #11 remove 'Hazardous Materials Transportation training (if shipping biological materials; in-person from EHSRM)' if you are not transporting.
14. If you retain the BSL2 SOP - add 'Acinetobacter lwoffii' to the list provided.
15. The Research summary provided references chemical extraction, is this needed. Address this and provide more detail in the summary and protocol.

Please highlight all new changes in yellow made to documents and upload the modifications as a new package (not new protocol) in IRBNet. Documents that have not been modified do not need to be submitted in subsequent packages. Past modifications that have been approved should be "accepted" and should not appear as highlights in this new modification. There are instructions for uploading documents in IRBNet under Designer Step 1. If you have questions please contact the administrator.

5 Revisions

5.1 [2280334-2] Drug Discovery and iPSCs

PI: Maegan M Weltzin
Submission Type: Amendment/Modification

Review Type: Expedited Review
Action: Modifications Required
Effective Date: January 28, 2025

Discussion and Remarks:

1. Page 4, under "**Biological Agent Information**", add "Human" to "Induced pluripotent stem cells"
2. Page 4, under "**Exposure Risk Assessment Agents**", add a blurb about the cell lines and gDNA such as "Induced pluripotent human stem cells and guide DNA are not known to cause human disease, however, the use of a human-derived cell line requires precautions to be taken due to the theoretical potential presence of undetected human pathogens".
3. Pages 4-6, delete all of the chemicals, (beginning with DMSA and ending with Retinoic acid). These should fall under a lab chemical hygiene plan, not the Biosafety Manual.

Please highlight all new changes in yellow made to documents and upload the modifications as a new package (not new protocol) in IRBNet. Documents that have not been modified do not need to be submitted in subsequent packages. Past modifications that have been approved should be "accepted" and should not appear as highlights in this new modification. There are instructions for uploading documents in IRBNet under Designer Step 1. If you have questions please contact the administrator.

5.2 [2280334-3] Drug Discovery and iPSCs

PI: Maegan M Weltzin
Submission Type: Amendment/Modification

Review Type: Expedited Review
Action: Approved
Effective Date: January 30, 2025
Project Status: Active
Project Expiration: January 30, 2028
Next Report Due: January 30, 2026

5.3 **[2250919-3] Innovations in sampling, (bio)analytical chemistry, and analytics to characterize disinfectant use tradeoffs in U.S. water systems for minimizing exposure to opportunistic pathogens and DBPs**

PI: Srijan Aggarwal
Submission Type: Amendment/Modification

Review Type: Designated Member Review
Action: Modifications Required
Effective Date: April 30, 2025
Project Status: Active
Project Expiration: December 31, 2026
Next Report Due: December 4, 2025

Discussion and Remarks:

1) Clarify on the Biosafety manual Signature/Acknowledgment page who is working directly on the IBC related project. Perhaps you can do this with an annotation under the personnel list on page 16.

Example: *Personnel working directly with IBC Project #2250919. All other personnel work within the lab space and have been training accordingly.

2) Remove previous, yellow highlighted areas from the biosafety manual. Most of the yellow highlighted areas were previously approved in package #2250919-2.

Please highlight all new changes in yellow made to documents and upload the modifications as a new package (not new protocol) in IRBNet. Documents that have not been modified do not need to be submitted in subsequent packages. Past modifications that have been approved should be "accepted" and should not appear as highlights in this new modification. There are instructions for uploading documents in IRBNet under Designer Step 1. If you have questions please contact the administrator.

5.4 **[2250919-4] Innovations in sampling, (bio)analytical chemistry, and analytics to characterize disinfectant use tradeoffs in U.S. water systems for minimizing exposure to opportunistic pathogens and DBPs**

PI: Srijan Aggarwal
Submission Type: Amendment/Modification

Review Type: Expedited Review
Action: Approved

Effective Date: June 25, 2025
Project Status: Active
Project Expiration: December 31, 2026
Next Report Due: December 4, 2025

5.5 **[2250919-6] Innovations in sampling, (bio)analytical chemistry, and analytics to characterize disinfectant use tradeoffs in U.S. water systems for minimizing exposure to opportunistic pathogens and DBPs**

PI: Srijan Aggarwal
Submission Type: Amendment/Modification

Review Type: Expedited Review
Action: Approved
Effective Date: November 24, 2025
Project Status: Active
Project Expiration: December 31, 2026

6 **Renewals**

6.1 **[2165472-7] AAV tropism in Arctic ground squirrels**

PI: Bernard Laughlin
Submission Type: Continuing Review/Progress Report

Review Type: Designated Member Review
Action: Approved
Effective Date: April 3, 2025
Project Status: Active
Project Expiration: April 17, 2026

6.2 **[423577-17] Public health related viral infectious diseases in Alaska**

PI: Jack Chen, Ph.D.
Sponsor: CDC Advanced Molecular Detection
Submission Type: Continuing Review/Progress Report

Review Type: Designated Member Review
Action: Approved
Effective Date: April 3, 2025
Project Status: Active
Project Expiration: April 8, 2026

6.3 **[2250919-5] Innovations in sampling, (bio)analytical chemistry, and analytics to characterize disinfectant use tradeoffs in U.S. water systems for minimizing exposure to opportunistic pathogens and DBPs**

PI: Srijan Aggarwal
Submission Type: Continuing Review/Progress Report

Review Type: Expedited Review
Action: Approved
Effective Date: November 24, 2025
Project Status: Active
Project Expiration: December 31, 2026

7 Closures

7.1 [2167424-4] Analysis of myoAAV gene delivery into Arctic ground squirrels

PI: Anna Goropashnaya
Submission Type: Closure/Final Report

Review Type: Designated Member Review
Action: Closed
Effective Date: April 3, 2025
Project Status: Closed - Project Complete

8 Adverse Events

9 Next Meeting Date and General Announcements

Review Type: Full Committee Review
Action: Acknowledged
Effective Date: December 4, 2025

Discussion and Remarks:
Next meeting TBD as needed.

10 Adjourn

Review Type: Full Committee Review
Action: Acknowledged
Effective Date: December 4, 2025

Discussion and Remarks:
Adjourn: 3:02pm

The meeting adjourned on December 4, 2025 at 3:02 PM.