

Institutional Biosafety Committee

Dec-05-2025, via Zoom

Attendance

Members In Attendance

Member	Voting	Staff	Scientific	Affiliated
Cayabyab, Mark Ph.D.	Yes	Yes	Yes	Yes
Hillsley, Keisha M B.S.	Yes	No	No	No
Krueger, Robin Lynn Ph.D., M.P.H.	Yes	Yes	Yes	Yes
Murphy, Robert	Yes	No	No	No
Roldan, Janice M.B.A.	No	Yes	No	Yes
Tartar, Aurelien Ph.D.	Yes	Yes	Yes	Yes
Welmaker, Beth M.S.	Yes	Yes	Yes	Yes

Review of Meeting Minutes

- September Meeting Minutes Approved (6 aye)

Annual Renewal Submissions

1. 2023-11-AP-01

Titled: Drug repositioning and examination of natural product extracts as anti-parasitics

Discussion:

Outcome: Approved

Votes for Outcome: 6

Votes Against Outcome: 0

Abstentions: 0

2. 2025-01-JG-03

Titled: Isolation and Characterization of Bacteriophage That Target *Yersinia pestis*

Discussion:

Outcome: Approved

Votes for Outcome: 6

Votes Against Outcome: 0

Abstentions: 0

New Protocol Submissions

1. 2022-09-TK-03 (IBC 3 Year Renewal)

Titled: Use of BSL1 and BSL2 bacteria for rodent and in vitro models of oral diseases

Discussion:

- Research locations - PI must add CCR room 470A as bacterial growth location.
- Update date on SOP title page.
- SOP Section 3.2 BSL2 microorganisms 4. - Replace: "...immediately after completion autoclave..." with "Biohazardous waste will be double bagged and taken to approved satellite storage location for removal and incineration."
- SOP Section 9.2.3.2% Glutaraldehyde, or Formaldehyde - remove these as they are not disinfectants.

MC recused

Outcome: Approved Pending Modification(s)

Votes for Outcome: 5

Votes Against Outcome: 0

Abstentions: 1

2. 2021-03-RS-01 (IBC 3 Year Renewal)

Titled: Investigating interactions between quorum sensing and metabolism in *Pseudomonas aeruginosa*

Discussion:

Outcome: Approved

Votes for Outcome: 6

Votes Against Outcome: 0

Abstentions: 0

3. 2025-NG-03 (IBC New Submission)

Titled: Ketone Bodies / BMSC Exosome–Mediated Cardiometabolic Adaptation via long noncoding RNAs

Discussion:

- Add animal procedure rooms
- Why is ketosis essential?
- Where is fume hood located?
- NIH Guidelines Section III-E-1 - How specifically? Brief description of how siRNA will be constructed and produced via a spec sheet from vendor.
- Attach spec sheet for both AC16 and BMSCs. Also confirm that the cells are pathogen-free.
- SOP: Remove guidance and non-applicable sections from template
- SOP Section 3.2.1 - Alcohols are NOT acceptable for surface decontamination but may be used to remove disinfectant residue. Explain why alcohol-based disinfectants are unacceptable. NSU prefers a 10% bleach or 70% alcohol solution for disinfection of work surfaces and spills.
- SOP Multiple Sections - mention of viral vector procedures, but none reported. Remove reference in sections 2.4, 5.3, and 10.7.
- SOP Section 12.1 - mention of human urine. Confirm if this is being used and address appropriate handling procedures in responding sections in SOP.
- SOP - Indicate that freshly made bleach will be used.

Outcome: Approved Pending Modification(s)

Votes for Outcome: 6

Votes Against Outcome: 0

Abstentions: 0

Protocol Amendments

1. 2024-10-NG-02

Titled: Ketone Bodies-Mediated Cardiometabolic Adaptation via long noncoding RNAs

Discussion:

- Students missing biosafety level 2 training.
- Sop - materials must be stored in solid/frozen phase not the liquid.
- When the rAAV reagents are received, authenticate the vector using the recommended RE digest prior to use.
- Under rDNA guidelines indicate that the use of rAAV9 will fall under section III-D-4-b due to the use of rAAV9 in animals (refer the NIH guidelines).

Outcome: Approved Pending Modification(s)

Votes for Outcome: 6

Votes Against Outcome: 0

Abstentions: 0

Other Business

- Software used for EHS for inventory tracking of radioactive materials and chemicals can now track biological materials. BW will start with NG lab. Will be great for keep track of materials across campus.