Institutional Biosafety Committee

October 7, 2025

Zoom Link

901 12th Ave, Seattle, WA 98122

Meeting Start: 2:05 p.m.

Meeting Chaired by Michelle DuBois

Minutes Prepared by Breena Stoner

Meeting End: 3:00 p.m.

ATTENDANCE

Voting Member	Present	Absent	Comments
Peter Alaimo, PhD		X	
Hannah Baiyor		X	
Michelle DuBois, PhD	X		
Brett Kaiser, PhD	X		
Carol Kennedy		X	
Carolyn Stenbak, PhD	X		
Breena Stoner, MS, RBP	X		
Cheryl Wotus, PhD		X	
Glenn Yasuda, PhD	X		
Michael Zanis, PhD	X		

Non-members in attendance: N/A

AGENDA

1. Approval of Minutes: **Approved 6–0**
2. Announcements
   a) IBC Website and Redhawk Hub live
   b) Upcoming changes to the *NIH Guidelines*
      i. NIH is proposing changes to the scope of the *Guidelines* to include non-recombinant biological materials
      ii. More information to come at future meetings
3. New Business:
   a) Acknowledgements:

i. **2025-3E-001**: **Approved 6–0**

PI: Christopher Whidbey

Title: Illuminating the dark proteome: ABPP for high-throughput experimental characterization of proteins

Description: The lab will use activity-based protein profiling for high-throughput functional characterization of proteins produced by wild-type *Akkermansia muciniphila*, *Lactobacillus iners* and *Chlamydomonas reinhardtii*. As a control for ABPP, the lab will transfect *Escherichia coli* strains with plasmids expressing enzymes from these species.

Biosafety Level: BL1

NIH Guidelines: III-E-1

Vector	**Expressed gene(s)**	**Host(s)**	**Source**
Bacterial plasmids	Serine hydrolases, ATPases, oxidoreductases from the above organisms	*E. coli* DH10b, BL21(DE3), and/or Rosetta-gami	NEB, [redacted]

Procedures: Small scale (<0.5 L) culture, Bead beating/sonication for lysis, Centrifugation to remove intact cells, Protein labeling with chemical probes, SDS-PAGE or boiling in SDS for proteomics preparation

Comments: Agents in use are risk group 1. Bacterial plasmids expressing non-hazardous genes in *E. coli* K12 and B strains are not expected to increase risk. BL1 is appropriate. Safety training was completed for all personnel.

ii. **2025-3N-002**: **Approved 6–0**

PI: Christopher Whidbey

Title: Activity-based protein profiling of the vaginal microbiome

Description: The lab will use activity-based protein profiling to survey proteins produced by bacteria that live in the human vaginal tract. Deidentified primary human samples were obtained from a collaborator.

Biosafety Level: BL2

NIH Guidelines: N/A

Procedures: Incubation with glycogen and HPLC to measure enzyme activity, Centrifugation to remove intact cells/mucins, Protein labeling with chemical probes, SDS-PAGE or boiling in SDS for proteomics preparation

Comments: No r/sNAs in use. BL2 is appropriate for human samples. Safety training was completed for all personnel.

b) Amendments: N/A

c) New Submissions: N/A

4. Continuing Education/IBC Training
   a) Self-paced module will be uploaded to CampusOptics in November
   b) Discussion of protocol submission and review process
      i. Expedited review for projects falling into III-E or III-F or not involving r/sNAs; sent to the IBC as "Acknowledgements" at the next meeting
      ii. Full-committee review of projects falling into III-A through III-D
      iii. PIs are asked to submit projects even if exempt or not involving r/sNAs
5. Academic Safety Officer reports
   a) Biosafety SOP library in development
   b) Annual laboratory safety reviews completed in July 2025 with no significant biosafety findings
6. Other Business: N/A