

**Minutes
November 20th, 2025
Institutional Biosafety Committee
233 Scott Hall**

Attendance

Members Present:

T. Oomens (Chair)
E. Lutter (Vice-Chair)
A. Fewell (BSO)
M. Cabeen
D. Christensen (Alt)
B. Epperley (Alt)
V. Freeman (Alt)
I. Girardi (Alt)
A. Hall (Alt)
B. Holcomb
D. Maples (Alt)
K. Southworth

Members Absent:

J. Ballard (Alt)
D. Cunningham
T. Essary (Alt)
J. Olson (Alt)
C. Franks
J. Gallaway
M. Hinsdale
W. Kipgen (Alt)
R. Matts
S. McFee (Alt)
A. Mitra (Alt)
A. Ramachandran

Non-Members Present:

Note: In the event that both a member and their alternate are present, only the primary member's vote will count unless the primary member allows the alternate to vote in their place.

Call to Order - With a quorum present, the Chair called the meeting to order at 10:05 a.m.

Approval of the October 30th, 2025 minutes – No concerns were raised. A motion was made to approve by K. Southworth and seconded by E. Lutter, majority vote was recorded, and the minutes were approved. D. Maples and D. Christensen abstained.

Old Business

A. Protocol/Modification Update

1. 24-01 Khursheed Iqbal, “Dissecting the Molecular regulators of Trophoblast Lineage Development and function.” - Modification

Pending revisions

2. 25-18 Chi Nguyen, “Functional and Physiological Characterization of Transgenic Lettuce and Ornamental Plant Lines Generated via Agrobacterium-Mediated Transformation.”

Approved – 11/3/25

3. 25-19 Danny Maples, “Training and Exercise Biological Signatures Support/Formerly: Pathogen detection-assay development under Dr. Jerry Malayer”

Approved – 11/3/25

New Business

B. Protocols/Modifications for Review by Full Committee

B. Holcomb arrives at 10:09

1. **25-21** Jeff Ostler Jr., “Dissecting mechanisms of Bovine Herpesvirus 1 gene expression”

Category: Biological Agent and r(s)NA

NIH Guidelines: III-D-1, III-D-2, III-D-3, III-E-1, III-F

Source of DNA: ATCC, Addgene, standard cloning of DNA fragments from virus genome, other researchers

Vector(s): pcDNA3.1, pUC19, pBR322, pGL3-promoter luciferase, pGL3-Basic luciferase, pGL4-min promoter luciferase, pBAD/His expression vector, pCMV-Tag2A, pCMV-Tag2B, pCMV-Tag2C, CRISPR Cas9 system

Recipient Host(s): E coli, strain HB101, E coli, strain JM101, E. coli strain DH5-alpha

Biosafety Level: BSL-2

Project Summary:

This is a BSL-2 protocol submission from a new PI, Dr. Ostler. He previously was a post-Doc under Dr. Jones studying alphaherpesviruses, before becoming an Assistant Professor. He is starting up his lab in MCEL 013 and currently has no plans for animal work. He will continue in his field of research involving alphaherpesviruses as he aims to dissect the changes in gene expression that lead to reactivation and acute disease in an effort to reduce or prevent reactivation events. He plans to establish a cell culture model for de novo BoHV-1 gene expression, create knockout cell lines using the CRISPR-Cas9 system, characterize GR isoform-specific roles in driving BoHV-1 gene expression, and develop protocols for working with other veterinary alphaherpesviruses.

A. Fewell gave an overview of the project and explained that Dr. Ostler’s lab had already been inspected and approved. The committee found several small revisions to be made.

Items to be addressed:

1. Clarify where animal samples come from, ex. Clinical or IACUC #.
2. Verify the autoclave cycle used: (121°C, 15psi, 30 minutes sterilization time).
3. Specify bleach concentration.

Motion to approve was made by A. Hall and seconded by D. Maples, majority vote was recorded, and the protocol was approved pending minor edits.

C. Miscellaneous Business

- I. Girardi accepted ARSO position.

Adjourn- The meeting adjourned at 11:31 a.m.