MEETING MINUTES
INSTITUTIONAL BIOSAFETY COMMITTEE (IBC)
CLEMSON UNIVERSITY
January 6, 2026-Zoom

Call to order at 2:01PM by the Chair, James Morris. The IBC has 10 voting members, and 6 members are required to conduct business. The Chair votes in the event of a tie vote or a need to have a quorum. The Chair is not voting.

Attending:
James Morris-IBC Chair
Cassie Gregory-Staff member
Sachin Rustgi-Plant Expert[4]
Daniel Whitehead-Chemical Expert
Matt Breed-University Vet[1]
Kerri Kwist-BSO
Michele Eller, Community Member
Bonnie Kelley, Community Member
Jim Grieger (alternate BSO)[2]
Allison Honea-Occupational Health (ex officio)
Rhonda Ryals-Research Security (ex-officio)[3]
Robin Tyndall, ORC Director (ex-officio)

Not in Attendance: Cheryl Ingram-Smith-IBC Vice Chair
Chris Saski-Plant Expert/Gene Drive Expert

In Attendance ORC: Hope Smith-Sielicki-IBC Administrator

1-arrived at 2:02p 2-arrived at 2:04p 3-arrived at 2:06p 4-arrived at 2:19p

Call to Order

- **CONFLICT OF INTEREST**

  All IBC members are reminded of their obligation to disclose any potential conflicts of interest. According to the NIH Guidelines, no member may be involved (except to provide information) in the review or approval of a project in which they have been or expect to be engaged or have a direct financial in the project or its outcomes

I. MINUTES OF LAST MEETING(S)

1. A motion was made and seconded to approve the December 2, 2025, meeting minutes.

Tally: For-6 Against-0 Abstain-0

Motion approved.

II. TRAINING AND ANNOUNCEMENTS

1. It was reported that the NIH annual report was approved on December 9, 2025

II. OLD BUSINESS

None

III. NEW PROPOSALS- RECOMBINANT DNA FULL REVIEW

III.a Section III-D - Experiments that Require Institutional Biosafety Committee Approval Before Initiation

IBC2025-0229 **Katelyn Walzer**

Title:	Cryptosporidium Genetics Lab
Review type:	Full Committee
Designated Reviewers:	Chair and BSO
Purpose:	The purpose is to focus on understanding genes involved in early male and female gametogenesis and also the machinery that ensures sexual reproduction of this parasite takes place. We will also look at host proteins in the intestinal epithelial cells that may be involved in parasite egress, attachment, and entry.
NIH Guidelines:	III-D-1,2,4 & III-E-4
Biocontainment:	BSL-1/2
Status:	On agenda for Full Committee Review

Items discussed included: This is a new PI and project in Bio Sci. This proposal describes work on an RG2 parasite, Cryptosporidium parvum, an important water-borne apicomplexan parasite. The team is studying mechanisms of differentiation, particularly those that influence parasite sex development. The proposal involves making transgenic parasites (so, IIID1 and 2 research) and using mice that are deficient in IFN-gamma (by KO) (so IIID4). Transgenic

cryptosporidium will be engineered to express luciferase, fluorescent reporters, or epitope tagged proteins which will be expressed from a parent cpLic-eno-nluc-eno. The team also will edit the genome of the parasite using a plasmid that carries both guide and the Cas9 gene. Please note rodents are how the organism is stored and propagated. In Section A.1.a, please have the PI add human cells.

A motion was made to approve the protocol.

Tally: For-8 Against-0 Abstain-0

Motion approved

III.b Section III-E - Experiments that Require Institutional Biosafety Committee Notification Simultaneously with Initiation

None

IV. NEW RECOMBINANT DNA PROTOCOLS THAT ARE EXEMPT REVIEW (SECTION III-F OR APPENDIX C)

None

V. NEW PROPOSALS NOT INVOLVING RECOMBINANT DNA REQUIRING FULL COMMITTEE REVIEW

None

VI. NEW BUSINESS

1. Report of Actions was reviewed and accepted by the committee.
2. The BSO reported:
    - No rDNA spills or accidents

3. The Occupational Health Office reported:
    - No rDNA or biohazardous accidents reported

VII. NEXT MEETING

Tuesday, February 3, 2026 at 2pm

VIII. ADJOURNMENT

A motion was made to adjourn at 2:23pm.

Approved by:

_____ _____

James Morris, Ph.D. Date
Chair, Institutional Biosafety Committee
Professor, Genetics and Biochemistry