



Institutional Biosafety Committee Minutes

Rector Science Complex, Dickinson College, Carlisle, PA

Date: 09/19/2025 3:00 PM - 4:30 PM EDT

Meeting Type: Virtual Platform, i.e. Zoom

Members Present:

Kirsten Guss, Biology, IBC Chair
Maggie Douglas, Environmental Studies, Plant Expert
David Runkle, Borough of Carlisle, Local Non-affiliated Member
Tiffany Frey, Biology

Members Excused

Kristen McGough, Cumberland County Forensic Laboratory, Local Non-affiliated Member
Allysa Decker, Environmental Studies, Plant Expert

Non-Voting Members Present:

Joshua Ford, Office of General Counsel, Administrative Liaison
Kevin Walters, Compliance and Risk Management

A quorum was established.

The IBC Chair called the meeting to order at approximately 3:05 PM

I. Review and approval of previous meeting minutes

Minutes from the 07/11/2025 meeting were reviewed and approved by all voting members.

II. Review of Prior Business

1. PI: John Henson

Item reviewed: All voting members approved revisions to protocol:
Expression of GFP-tagged mitochondrial protein using a commercial
insect baculovirus in mammalian tissue culture cells. - IBC #1328

III. New IBC Registrations and Amendments for Review

A. New Protocols

1. **PI:** David Kushner

IBC protocol: Analysis of TCV and satC RNA – IBC #1332

Project overview: The lab work involves use of Turnip crinkle virus (TCV) and its associated satellite RNA, satellite RNA C (satC)

NIH Guideline Section: Section III-E-2-b-(2)

Risk assessment: Materials are autoclaved once work is completed. None of this work poses any harm to humans if standard lab procedures are followed. Viruses used are not associated with disease in humans.

Training: PI is up to date on all requisite biosafety training; participating staff and students will be trained in standard laboratory safety practices.

Biosafety Level Assignment: Level 1

IBC Vote: Motion was made to approve protocol with minor revisions, i.e. spelling/grammar errors. A discussion on the use of the Biosafety cabinet was addressed.

2. **PI:** Michael Roberts

IBC protocol: Targeted Therapy for Oncogenic RAS Signaling in Leukemia Cells – IBC #1334

Project overview: The lab work involves interrogating the effect of two drugs that target an activated growth/survival pathway in several different cancer types, including a subset of acute myeloid leukemias (4). Students will quantitatively measure the effects of two inhibitors, Tipifarnib and Trametinib, of a growth pathway that is dysregulated in the acute myeloid leukemia (AML) cell line [HL-60] but normal in the AML cell line [Kasumi-1].

NIH Guideline Section: Section III E-I

Risk assessment: Materials are autoclaved once work is completed. None of this work poses any harm to humans if standard lab procedures are followed.

Training: PI's CITI biosafety training expired, and PI was provided guidance in how to complete requisite training; participating staff and students will be trained in standard laboratory safety practices

Biosafety Level Assignment: Level 1

IBC Vote: Motion was made to approve with revisions, i.e. The committee considered Section III E-1 to be the section of the NIH guidelines relevant for the protocol.

3. **PI:** Dana Somers

IBC protocol: UV Mutagenesis of DNA-repair deficient yeast – IBC #1336

Project overview: This laboratory activity examines the effect of UV light on yeast.

NIH Guideline Section: Section III-D-4-a

Risk assessment: Materials are autoclaved once work is completed. None of this work poses any harm to humans if standard lab procedures are followed.

Training: PI is up to date on all requisite biosafety training; participating staff and students will be trained in standard laboratory safety practices.

Biosafety Level Assignment: Level 1

IBC Vote: Motion was made to approve protocol.

4. **PI:** Rebecca Connor

IBC protocol: Expression and Purification of Fluorescent Protein in E.coli for CHEM 342 – IBC #1337

Project overview: Recombinant plasmid DNA will be used to express proteins in E. coli (bacteria) cells.

NIH Guideline Section: Exempt under the NIH guidelines, Appendix C-II

Risk assessment: No infectious agents will be used. Solutions of 10% bleach will be used for disinfection and cleanup.

Training: PI is up to date on all requisite biosafety training; participating staff and students will be trained in standard laboratory safety practices.

Biosafety Level Assignment: Level 1

IBC Vote: Motion was made to approve protocol with minor revisions, i.e. spelling corrections.

B. New Amendments

1. **PI:** Rebecca Connor

IBC protocol: Copy of Transfection of Hela/Hek293T/RKO/HL60/THP-1 cells for luciferase monitoring of heat shock induction III – IBC #1160

IBC Vote: Motion was made to approve.

C. Acknowledged Terminations

None

D. Committee Business

None

IV. Adjournment

The meeting was adjourned.

Minutes submitted by: Joshua Ford