

Dickinson

Institutional Biosafety Committee Meeting Minutes

Rector Science Complex, Dickinson College, Carlisle, PA

Date: 11/14/2025 3:00 PM - 4:00 PM EDT

Meeting Type: Virtual Platform, i.e. Zoom

Members Present:

Kirsten Guss, Biology, IBC Chair

Maggie Douglas, Environmental Studies, Plant Expert

Tiffany Frey, Biology

Kristen McGough, Cumberland County Forensic Laboratory, Local Non-affiliated Member

David Runkle, Borough of Carlisle, Local Non-affiliated Member

Members Excused

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 09/16/2025 meeting were reviewed and approved by all voting members.

II. Review of Prior Business

1. **PI:** Rebecca Connor

Item(s) reviewed: Expression and Purification of Fluorescent Proteins in *E. coli* for CHEM 342 - IBC #1337; and Mutation, expression and purification of heat shock protein 70 (HSP70) - IV - IBC #1339.

IBC Discussion: Revisions are still pending for both protocols; Motion was made to postpone deliberation to February 2026 IBC meeting; Chair noted protocols #1337 & #1339 are germane to Spring 2026 semester.

2. **PI:** Michael Roberts

Item(s) reviewed: Targeted Therapy for Oncogenic RAS Signaling in Leukemia Cells – IBC #1334.

IBC Discussion: Revisions approved by Chair.

3. **PI:** Dana Somers

Item(s) reviewed: UV Mutagenesis of DNA-repair deficient yeast – IBC #1336.

IBC Discussion: Revisions approved by Chair.

III. New IBC Registrations and Amendments for Review

A. New Protocols

4. **PI:** Missy Niblock

IBC protocol: In vivo injection of adeno-associated viruses to transduce embryonic mouse cells to express green fluorescent protein, Caspase 3, or Are recombinase – IBC #1356.

Project overview: This protocol aims to investigate the functional role of Neuromedin B-expressing neurons in the retrotrapezoid nucleus (RTN) of the mouse brainstem in regulating fetal breathing movements. The study uses established adeno-associated viruses (AAV) based methods and transgenic mice.

NIH Guideline Section: Section III-E-3

Risk assessment: Surfaces will be disinfected with 10% bleach. All consumables (vials, microcentrifuge tubes, syringes and needles, pipet tips) will be disposed of in red biohazard bags or appropriate sharps containers. All materials are autoclaved once work is completed. Cages and water bottles will be run through a commercial dishwasher for

sterilization. None of this work poses any harm to humans if standard lab procedures are followed.

Training: PI is not up to date on all requisite IBC biosafety training and will be directed to complete CITI courses: Conflict of Interest, Biosafety For Investigators and NIH Recombinant DNA Guidelines. 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 revisions to the application, i.e. the protocol submitted in Word document format needs to be entered into the Mentor application section; the PI is requested to upload/attach figures of gene constructs being used. Chair noted that IACUC approval was made on 10/29/2025.

B. New Amendments

1. **PI:** Tiffany Frey

IBC protocol: Culture of RAW 264.7 Mouse Macrophages – IBC #1280

IBC Discussion: Amendments approved by Chair.

C. Acknowledged Terminations

None

D. Committee Business

None

IV. Adjournment

The meeting was adjourned.

Minutes submitted by: Joshua Ford