

**Institutional Biosafety Committee**

**12/5/2025, 12:00PM – 12:30PM**

**Teleconference**

## **Minutes**

**Voting Members Present:** Brian Taylor, Ami A. Patel, Marianne Cloeren, Karen Scanlon, Alan Schmaljohn, Elizabeth Bramhall, J. Kristie Johnson, John O'Neill, Matthew Frieman, Robert Ernst, Matthew Fischer

**Voting Members Absent:** Sherry Bohn, Ron McNeil, Melissa Morland, Anthony Kim, Irina Luzina, Janna Barcelo, Joseph Gillespie, Ciaran Skerry, Jessie Duggan, Alfredo Garzino-Demo

**Other Person(s) Present:** Fred Ivey, Sahani DSouza

**Staff Present:** Matthew Fischer, John O'Neill, Holda Ramos

### **1 Vote on Last Meeting's Minutes**

Institutional Biosafety Committee meeting on 11/07/2025

Votes to approve minutes: 11, Disapprove: 0, Abstain: 0

### **2 New Business**

This meeting of the IBC is open to the public pursuant to the NIH Guidelines, Section IV-B-2-a-(6).

- A replacement US Government policy for Dual Use Research of Concern (or "Dangerous Gain of Function") is expected any day.
- Our next meeting is scheduled for Friday, January 9<sup>th</sup>. This is the 2nd Friday of the month to avoid proximity to the holidays.
- Member issues
  - ChABSA has a virtual meeting on January 8th entitled "Advancing Security Using AI in Laboratory Spaces"

### **3 Reportable Incidents**

- No reportable events occurred this month.

### **4 New IBC Submission**

Short Title: The Host-Microbiome Interface in Human Papillomavirus Infection and Disease Progression  
Investigator: Jacques Ravel  
ID: IBC-00008601  
Analyst: Holda Ramos  
VA-Related: No

Discussion: This protocol involves the use of plasmids carrying the full HPV genome in human cells. This work is classified by the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules as III-D-3-a using BSL-2 facilities and practices. The following modifications are required to secure approval: 1) Make corrections in the rDNA table, including indicating replication competence of produced virus, protein expression, antibiotic resistance for plasmid, and use of packaging cells, and 2) Include work with non-recombinant Risk Group 2 bacteria in the risk assessment pages.

Motion: RMSA

Vote: For: 11, Against: 0, Abstained: 0, Recused: 0

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## 5 Modification Discussions

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Short Title: Dissecting Neural Circuits of Learning and Emotion

Investigator: Barbara Juarez

ID: IBC-00007058

Analyst: John O'Neill

VA-Related: No

Discussion: This modification involves the use of AAV in animals. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-4-a and is approved using ABSL-1 facilities and practices.

Motion: Approve the Modification

Vote: For: 11, Against: 0, Abstained: 0, Recused: 0

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Short Title: Long-term Inhibition of HIV transcription by targeting cellular CDK9 *in vivo*

Investigator: Alonso Heredia

ID: IBC-00003501

Analyst: Holda Ramos

VA-Related: No

Discussion: This modification includes the addition of a lentiviral construct to be used in animals and cell culture. This work is classified by the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules as III-D-1-a using BSL-2 and ABSL-2 facilities and practices with sharps precautions. The following modifications are required to secure approval: 1) Add more details to the experimental design for the use of lentivirus *in vivo*, 2) Update IACUC protocol information, and 3) Update post exposure therapy recommendations with the latest information for lentivirus.

Motion: RMSA

Vote: For: 11, Against: 0, Abstained: 0, Recused: 0

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## 6 RMSA Follow-Up

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Short Title: Rational targeting of protein translation for cancer treatments

Investigator: France Carrier

ID: IBC-00002549

Analyst: Holda Ramos

VA-Related: No  
Discussion: This modification involves the addition of new recombinant cell lines in animals. This work is classified by the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules as III-D-4-b and is approved using BSL-2 and A-BSL-2 facilities and practices. The following modification was made to secure approval: Included more detail in the origin section than just the vendor name.  
Status: Approved

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Short Title: Utilizing Targeted Therapies to treat orthotopic Prostate Tumors in a mouse and rat Model  
Investigator: Hem Shukla  
ID: IBC-00003860  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification involves the use of previously transduced animal cells in animals. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-4-a and is approved using ABSL-1 facilities and practices. The following modification was made to secure approval: Updated the training and procedure details for the newly added person.  
Status: Approved

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Short Title: Role of extracellular RNA and complement factor B in sepsis, cardiac ischemia reperfusion and polytrauma model  
Investigator: Wei Chao  
ID: IBC-00003470  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification involves the use of adenoviral vectors in animals. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-1-a and is approved using ABSL-2 facilities and practices. The following modifications were made to secure approval: 1) Acknowledged that tat is derived from HIV and 2) Described the stability of adenovirus in the environment.  
Status: Approved

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Short Title: Mechanisms of fate determination in peripheral T cells  
Investigator: Nevil Singh  
ID: IBC-00002339  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification involves the use of replication incompetent Murine Stem Cell Virus in murine cells which will be used in animals. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-4-a and is approved

using BSL-1/ABSL-1 facilities and practices. The following modifications were made to secure approval: 1) Updated personnel; 2) Removed expired animal-use protocol information; and 3) Explicitly included MSCV in the risk assessment responses.

Status: Approved

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## **7 Non-Exempt Protocols with Periodic Reviews**

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Short Title: Lentiviral vectors screening of modulators of CD1d-mediated NKT cell responses  
Investigator: Tonya Webb  
ID: IBC-00002391  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Enhancing FLT3 inhibitor efficacy in acute myeloid leukemia with FLT3-ITD  
Investigator: Maria Baer  
ID: IBC-00007725  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: IBC: 22130GCCC: Axicabtagene CiloleuceL vs SOC for High-Risk Large B-Cell Lymphoma  
Investigator: Jean Yared  
ID: IBC-00007294  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Development of sustainable aquaculture technology: Biological waste treatment for aquaculture wastes and its microbial community assessment  
Investigator: Keiko Saito  
ID: IBC-00001843  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Aptamers for therapy of trauma-induced hypercoagulation  
Investigator: Rosemary Kozar  
ID: IBC-00007787  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: The Role of NKT cells in Mantle Cell Lymphoma  
Investigator: Tonya Webb  
ID: IBC-00001553  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Drosophila models of human diseases  
Investigator: Zhe Han  
ID: IBC-00005470  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Suppressing oncogenic RNA regulons using engineered zinc finger ribonucleases  
Investigator: Gerald Wilson  
ID: IBC-00005806  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Fish cell RNA transfection and transplantation  
Investigator: Ten-Tsao Wong  
ID: IBC-00006657  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Anti-arthritic activity and therapeutic use of novel joint-homing peptides  
Investigator: Kamal Moudgil  
ID: IBC-00004428  
Analyst: John O'Neill  
VA-Related: Yes  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Genetic and Mechanistic Investigations in Statin Adverse Effects and Lipid Metabolism in Mice  
Investigator: Peixiang Zhang  
ID: IBC-00007770  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Transcriptional regulation of drug-metabolizing enzymes and transporters  
Investigator: Hongbing Wang  
ID: IBC-00001178  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Roles of the tumor suppressor tristetraprolin in cancer cell progression  
Investigator: Gerald Wilson  
ID: IBC-00000046  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Mechanisms of Immunosurveillance for Lung Cancer-the Role of CD8+ T Cells in Tumor Tolerance Induction  
Investigator: Anirban Banerjee  
ID: IBC-00006313  
Analyst: John O'Neill  
VA-Related: Yes  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Role of DNA methyltransferase 3B in lung tumorigenesis  
Investigator: Hening Ren  
ID: IBC-00000482  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Tumor Immunotherapy and the mechanisms of Immunotherapy related adverse events  
Investigator: Yin Wang  
ID: IBC-00004512  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Molecular Mechanisms Controlling GBM Cancer Stem Cells Growth and Survival  
Investigator: Eli Bar  
ID: IBC-00005197  
Analyst: Holda Ramos  
VA-Related: No

Discussion: There have been no substantive changes to this protocol submission.

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Short Title: CRISPR Knockout of Fructose Metabolism

Investigator: Sui Seng Tee

ID: IBC-00006106

Analyst: John O'Neill

VA-Related: No

Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Disruptions in sleep architecture mediate the consequences of adolescent trauma

Investigator: Gregory Elmer

ID: IBC-00007562

Analyst: John O'Neill

VA-Related: No

Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Development of an In Vitro Cell Culture Model System of the Vagina to Study Microbiome Interactions

Investigator: Jacques Ravel

ID: IBC-00000967

Analyst: John O'Neill

VA-Related: No

Discussion: This modification has been administratively approved for a change in personnel.

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Short Title: Screening of BSL2 viruses with anti-viral compounds

Investigator: Matthew Frieman

ID: IBC-00002948

Analyst: Holda Ramos

VA-Related: No

Discussion: This modification has been administratively approved for changes in personnel.

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Short Title: Surgical Studies of Gut Permeability

Investigator: Jian-Ying Wang

ID: IBC-00000072

Analyst: Holda Ramos

VA-Related: Yes

Discussion: This modification has been administratively approved for changes in personnel.

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Short Title: Abnormal DNA repair in cancer

Investigator: Feyruz Rassool

ID: IBC-00000289

Analyst: Holda Ramos

VA-Related:	No
Discussion:	This modification has been administratively approved for changes in personnel.
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Short Title:	Role of Immune system on Tumor antigens
Investigator:	Anirban Banerjee
ID:	IBC-00005821
Analyst:	John O'Neill
VA-Related:	Yes
Discussion:	This modification has been administratively approved for the use of non-recombinant human cells in animals using ABSL-2 facilities and practices. Housing of animals at ABSL-1 is acceptable.
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Short Title:	Virotherapy for vaccine and oncology applications
Investigator:	Bolni Nagalo
ID:	IBC-00008432
Analyst:	John O'Neill
VA-Related:	No
Discussion:	This modification has been administratively approved for changes in personnel.
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Short Title:	Functional study of ubiquilin
Investigator:	Mervyn Monteiro
ID:	IBC-00000408
Analyst:	Holda Ramos
VA-Related:	No
Discussion:	This modification has been administratively approved for changes in personnel.
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Short Title:	Regulation of macrophage activation by house dust mite.
Investigator:	Achsah Keegan
ID:	IBC-00000708
Analyst:	John O'Neill
VA-Related:	Yes
Discussion:	This modification has been administratively approved for a change in laboratory location.
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Short Title:	Virotherapy for vaccine and oncology applications
Investigator:	Bolni Nagalo
ID:	IBC-00008432
Analyst:	John O'Neill
VA-Related:	No
Discussion:	This modification has been administratively approved for a change in personnel.
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Short Title: Cellular and Molecular Mechanisms of chronic pain conditions and their treatments in rodents  
Investigator: Feng Wei  
ID: IBC-00001902  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This modification has been administratively approved for changes in personnel.

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Short Title: Determine the efficacy of morpholino oligonucleotides in a rodent models of myotonic dystrophy  
Investigator: Joseph P Stains  
ID: IBC-00006467  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification involves the use of oligonucleotides in animals. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-F-1 and is approved using ABSL-1 facilities and practices.

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Short Title: Chlamydia Pathogenesis  
Investigator: Jacques Ravel  
ID: IBC-00000978  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification has been administratively approved for a change in personnel.