



University of Missouri-Columbia Institutional Biosafety Committee

Meeting Minutes

September 18, 2025, 2:00–4:00pm

Members in Attendance

Calcutt, Michael	Heng, Xiao
Casterline, Ben	Korte, Scott
Chandrasekhar, Anand	Kalera, Karishma
Cui, Taxing	Ma, Wenjun
Dickerson, Marie	Rehard, David

Members Absent

Aarattuthodi, Suja	Griffiths, Anthony
Attebury, David	Hynes, Steve
Gillman, Jason	Popejoy, Sid

Others in Attendance

Hamilton, Anna	O'Connor, Erin
Henegar, Jeff	Rhoades, Jamie
Wan, Henry	(present for first protocol discussion)

I. IBC Chairman called the meeting to order at 2:00pm

II. FCR Amendment discussion with PI

- A. Henry Wan joined to discuss their amendment regarding influenza containment, which proposes to move animals from ABSL2 to ABSL1 after recovering from infection. Committee members asked many questions regarding influenza infection detection processes, facility location, disposition of animals, vaccination process, and viral shedding. Dr. Wan left the meeting and the committee continued to discuss. They ultimately decided to table the amendment for next month.

B. Amendment Involving Recombinant and/or Synthetic Nucleic Acid Molecules, Requiring Full Committee Review

1. Wan, XiuFeng Henry (10151)

Influenza Infection and Husbandry for Animal Studies

Guideline: Sections D-4, D-7

Containment: BSL-2

Training: Up to date

Inspection: Passed

Status: Tabled

Committee deliberations: There were two motions to table the amendment and a final request for a vote. After discussion, all members voted in favor of tabling. 0 No. 0 Abstain.

III. Approval of 8/21/2025 Meeting Minutes

IBC members reviewed the meeting minutes. The IBC Chairman called for motions for approval. There were two motions for approval and a final request for a vote. 8 members voted for approval. 0 No. 2 Abstain.

IV. New and Renewal Protocols Involving Recombinant and/or Synthetic Nucleic Acid Molecules, Requiring Full Committee Review

1. Ma, Wenjun (23640)

Using reverse genetics-derived and wild type SARS-CoV-2 viruses to understand virus biology and test antiviral and vaccine efficacy

Guideline: Sections D-3

Containment: BSL-2

Training: Up to date

Inspection: Passed

Status: Approved

Committee deliberations: There were two motions for tabling the protocol (until the appropriate policy has been approved) and a final request for a vote. After discussion, all members voted in favor of tabling. 0 No. 0 Abstain.

2. Davis, Daniel (21280)

Animal Modeling Core

Guideline: Sections D-4, E-3, F

Containment: BSL-2

Training: Up to date

Inspection: Passed

Status: Approval via DMR

Committee deliberations: There were two motions for approval via DMR with Korte and a final request for a vote. After discussion, all members voted in favor of approval via DMR. 0 No. 0 Abstain.

3. Wells, Kevin (21320)

Genetically Engineering Virus Resistant Cell Lines

Guideline: Sections D-2, D-3, D-7, E

Containment: BSL-2

Training: Up to date

Inspection: Passed

Status: Approval via DMR

Committee deliberations: There were two motions for approval via DMR with Griffiths and a final request for a vote. After discussion, all members voted in favor of approval via DMR. 0 No. 0 Abstain

4. Finegan, Tara (23760)

Drosophila Studies for Follicular Epithelium Architecture Elucidation

Guideline: Sections D-4

Containment: BSL-1

Training: Up to date

Inspection: Passed

Status: Approved

Committee deliberations: There were two motions for approval and a final request for a vote. After discussion, all members voted in favor of approval. 0 No. 0 Abstain

5. Ierardi, Rosalie (23840)

Epidemiology of ticks and tick-borne livestock pathogens in Missouri

Guideline: Sections F

Containment: BSL-2

Training: Up to date

Inspection: Passed

Status: Approved

Committee deliberations: There were two motions for approval via DMR with Rehard and a final request for a vote. After discussion, all members voted in favor of approval via DMR. 0 No. 0

Abstain

V. New and Renewal Protocols Involving Other Biohazardous Materials, Requiring Full Committee Review

1. Wan, Caixia (17520)

Microbial cultures of Biological Safety Level (BSL2) strains

Containment: BSL-2

Training: Up-to-date

Inspection: Passed

Status: Approved

Committee deliberations: There were two motions for approval via DMR with Calcutt and a final request for a vote. After discussion, all members voted in favor of approval via DMR. 0 No. 0

Abstain.

VI. Amendments Requiring IBC Chair and Biological Safety Officer Review Only

19 approved this month - **7** holding for EHS training/OHSP - **1** currently under review – **2** returned to PI

PI (#)	Submitted	Title	Notes
DeFigueiredo, Paul (19620)	8/14	Molecular Analysis of Biological Systems	Chair, EHS Approved 8/22
Boerman, Erika (13202)	8/12	Vascular dysfunction and Inflammatory Bowel Disease	Chair, EHS Approved 8/22
Rachagani, Satyanarayana (18500)	8/26	Mechanistic and therapeutic studies on various cancers	EHS Approved 8/26
Duan, Dongsheng (12801)	8/22	AAV vector for gene therapy	EHS Approved 8/25
Lange-Osborn, Margaret (10225)	8/26	Host-Virus Interactions in Mammalian Cells	EHS Approved 8/26
Dai, Yuan (21820)	8/26	Biosynthesis and bioremediation of chemicals and materials	Chair, EHS Approved 9/5
Griffiths, Anthony (20760)	8/25	Toward vaccines and treatments of Risk Group 2 and 3 viruses	Chair, EHS Approved 9/5
Ding, Shinghua (10109)	8/29	Study of brain ischemia using in vivo and in vitro models	EHS Approved 9/4
Pollock, Kelly (18680)	9/4	Blood and human sample collection for Emergency Medicine	EHS Approved 9/5

Duan, Dongsheng (12801) x2	9/5	AAV vector for gene therapy	<i>EHS Approved 9/5</i>
Limberg, Jacqueline (17040)	9/5	Neural cardiovascular control in humans	<i>EHS Approved 9/8</i>
Lei, Lei (19442)	8/25	Mammalian ovarian development, function and diseases	<i>Chair, EHS Approved 8/26</i>
Telugu, Bhanu (17821)	9/8	Pigs as models for virus research	<i>EHS Approved 9/9</i>
Li, De-Pei (14900)	9/9	Viral vector-mediated transgenic approaches in rodent brain	<i>EHS Approved 9/9</i>
Kaifi, Jussuf (20520)	9/9	Alveolar epithelial cell type 2 populations and single cell gene expressions in non-small cell lung cancer progression and drug resistance	<i>EHS Approved 9/11</i>
Bryan, Jeffrey (17660)	9/9	Evaluation of xenogeneic CAR-T cell therapy for canine CD20+ B cell lymphoma	<i>EHS Approved 9/12</i>
Ateya, Mostafa (15840)	9/11	Immunity and Immunopathology of Brucella infections (13-02)	<i>EHS Approved 9/12</i>
Moss, Kathryn (21140)	9/8	Molecular, Cellular and Systems Mechanisms of Inherited Peripheral Nerve Disease	<i>EHS Approved 9/16</i>
Griffiths, Anthony (20760)	9/5	Toward vaccines and treatments of Risk Group 2 and 3 viruses	<i>Chair, EHS Approved 9/18</i>

VII. Business

A. DMR report

PI (#)	Reviewer	Submitted	Title	Notes
Lin, Ai-Ling (17560)	Aarattuthodi	8/5	Human Subject Sample Processing for Radiology Research	<i>August DMR – Rehard Approved 8/22</i>
Balboula, Ahmed (23641)	Dickerson	7/1	Mechanisms regulating human oocyte meiosis	<i>August DMR – Dickerson Returned to PI</i>
Whiting, Rebecca (10250)	Ma Korte	5/28	Gene and Enzyme Replacement Therapy for TPP1 Deficiency	<i>August DMR – Korte – storage only Returned to PI</i>
Bryan, Jeffrey (17660)	Calcutt Korte	7/24	Evaluation of xenogeneic CAR-T cell therapy for canine CD20+ B cell lymphoma	<i>August DMR – Calcutt, Korte Approved 9/8</i>
Barros-Rios, Jaime (18360)	Gillman	7/24	Lignin biosynthesis in plants	<i>August DMR – Gillman Approved 9/2</i>

Singh , Kamendra (15620)	Calcutt Rehard	5/12	Cloning genes for bacterial, viral and eukaryotic proteins into bacterial plasmids	<i>Amendment June DMR – Calcutt</i>
Raghavan , Ram (23240)	Calcutt	4/22	Ticks and tick-borne pathogen surveillance	<i>June DMR – Calcutt Approved 9/18</i>
Kil , Kun-Eek (16920)	Ma Korte	1/24	Culturing of tumor cell lines and implantation to prepare xenograft mice	<i>April DMR – Korte returned to PI</i>

C. Policies/Guidelines

- a. Human Gene Transfer Trials Serious & Adverse Event Reporting, **2013** - (Henegar, Hynes)
 - i. This policy is no longer needed.
- b. Toxins of Biological Origin, **2013** - (Hynes, Rehard)
- c. Dual Research of Concern, DURC & PEPP, **2015** - TABLED until we receive further instruction (Kennett, Henegar, Hynes, Hamilton)
 - i. [IBC website](#) has been modified to include DURC info, questions added to IBC form and EHS checklist

VIII. BSO Report/Select Agent RO/ARO Report

- A. (Rehard) Finalizing the Lenti & Adenovirus policy.
- B. (Henegar) Dr. Wan would like to make an inappropriate space a “Lab” for BSL2. The space is currently a closet in the influenza center; the PI has been told it is not safe for BSL2 work.

IX. Institutional Official Report

- A. Absent

X. Closing remarks by IBC Chair, Members, and Adjournment

- A. The Chair will be absent for the next two meetings and plans to return in December.
- B. The meeting was adjourned at 3:55pm