



University of Missouri-Columbia Institutional Biosafety Committee

Meeting Minutes

August 21st, 2025, 2:00–4:00pm

Members in Attendance = 15

Aarattuthodi, Suja	Griffiths, Anthony
Calcutt, Michael	Heng, Xiao
Casterline, Ben	Hynes, Steve
Chandrasekhar, Anand	Korte, Scott
Cui, Taxing	Kalera, Karishma
Dickerson, Marie	Ma, Wenjun
Gillman, Jason	Popejoy, Sid
	Rehard, David

Members Absent = 1

Attebury, David

Others in Attendance = 5

Hamilton, Anna	O'Connor, Erin
Henegar, Jeff	Szewczyk, Michael
Kennett, Michele (2-2:30)	

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

II. Approval of 7/17/2025 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. 11 members voted for approval. 0 No. Abstain.

III. Protocol reviews

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

1. Adamovicz, Jeffrey (15880)

Characterization of Ft VBNC State and Determination of Environmental Stressors that Induce the VBNC state

Guideline: Sections D-2

Containment: BSL-3

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.

2. 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: Tabled

Committee deliberations: There were two motions for tabling and a final request for a vote.

During discussion, a member raised a concern about biosafety level with SARS-CoV-2 in animals. The primary reviewer switched from Heng to Griffiths. All members voted in favor of tabling. 0 No. 0 Abstain.

3. Arnold, W. David (18720)

Mechanisms of Aging and Neurological Disease (Amendment)

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

Containment: BSL-2

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.

4. Barros-Rios, Jaime (18360)

Lignin biosynthesis in plants

Guideline: Sections E, E-2

Containment: BSL-1

Training: Up to date

Inspection: Passed

Status: Approval via DMR

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

5. Telugu, Bhanu (17821)

Pigs as models for virus research

Guideline: Sections D-4

Containment: BSL-2

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.

6. Olson, Rachel (10064)

LIDR Animal Infection and Monitoring Services Core

Guideline: Sections D, D-3, D-4, D-7, E-3

Containment: BSL-3

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.

7. Kline, David (10142)

Manipulation of cardiorespiratory neuronal circuits

Guideline: Sections D-4, E-3

Containment: BSL-2

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.

8. Whiting, Rebecca (10250)

Gene and Enzyme Replacement Therapy for TPP1 Deficiency

Guideline: Sections D-3, D-4

Containment: BSL-1

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. 0 No. 0 Abstain.

9. Polo Parada, Luis (10140)

The Role of the Extracellular Matrix in the Development of the Cardiac Action Potential.

Guideline: Sections E

Containment: BSL-2

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.

10. Bryan, Jeffrey (17660)

Evaluation of xenogeneic CAR-T cell therapy for canine CD20+ B cell lymphoma

Guideline: Sections D-4

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 Calcutt,

and a final request for a vote. After discussion, all members voted in favor of approval. 0 No. 0 Abstain.

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

1. Balboula, Ahmed (23641)

Mechanisms regulating human oocyte meiosis

Containment: BSL-2

Training: Up-to-date

Inspection: Passed

Status: Approval via DMR

Committee deliberations: There were two motions for approval via DMR with Dickerson, and a final request for a vote.

After discussion, all members voted in favor of approval. 0 No. 0 Abstain.

2. **Schulz, Laura (23880)**
OB/GYN Research Success Core Sample Processing
Containment: BSL-2
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.
3. **Wan, XiuFeng Henry (23660)**
Ecology, Evolution, and Host Pathogen Interactions of SARS-Cov-2 viruses
Containment: BSL-2
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.
4. **Schnabel, Jennifer (17800)**
MU OneHealth Biorepository Protocol
Containment: BSL-2
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. **Lin, Ai-Ling (17560)**
Human Subject Sample Processing for Radiology Research
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. 0 No. 0 Abstain.

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

PI (#)	Submitted	Title	Notes
Hildebrandt, Gerhard (23481)	6/10	Intermediate-Size Population Expanded Access Program (EAP) for Ciltacabtagene autoleucel (cilta-cel) Out-of-Specification (OOS) in patients with Multiple Myeloma	<i>EHS Approved 7/22</i>
Winuthayanon, Wipawee (18080)	7/18	Steroid hormone action in the reproductive system and non-hormonal contraceptive development	<i>EHS Approved 7/22</i>
Brown, Britlyn (15780)	7/1	NextGen Precision Health Clinical and Translational Sciences Unit-East	<i>EHS Approved 7/22</i>
Brown, Britlyn (20440)	7/1	Clinical and Translational Sciences Unit-West	<i>EHS Approved 7/22</i>
Methawasin, Methajit (21360)	7/14	Myofilament dysfunction in cardiac diseases.	<i>EHS Approved 7/22</i>

Kannan, Raghuraman (16701)	6/2	In vitro and In vivo evaluation of metallic and polymeric nanoparticle drug delivery systems	<i>EHS Approved 7/25</i>
Li, De-Pei (20840)	7/8	The role of Kv1.3 in chemo brain	<i>EHS Approved 8/5</i>
DeFigueiredo, Paul (20180)	7/2	Blos1 Control of Immune response against Coronaviruses	<i>EHS Approved 8/5</i>
Griffiths, Anthony (20760)	7/11	Toward vaccines and treatments of Risk Group 2 and 3 viruses	<i>EHS Approved 8/5</i>
Arnold, David (18720)	7/24	Mechanisms of Aging and Neurological Disease	<i>EHS Approved 8/5</i>
Boychuk, Jeffery (20080)	8/4	Neurobiology and Recovery of the Somatic Motor System	<i>EHS Approved 8/5</i>
Boychuk, Carie (19660)	7/21	Dissecting Central Circuits	<i>EHS Approved 8/5</i>
Bauer, David (22680)	7/25	Developing Intraperitoneal Cancer Models	<i>EHS Approved 8/5</i>
Edwards, Wilson (12901)	7/30	Development of radiotracers for molecular imaging	<i>EHS Approved 8/5</i>
Anderson, Carolyn (13800)	7/30	Development and Design of New Radiopharmaceuticals	<i>EHS Approved 8/5</i>
Grisanti, Laurel (13580)	7/30	Inflammation in the Damaged Heart	<i>EHS Approved 8/5</i>
Hildebrandt, Gerhard (23500)	8/4	Expanded Access Protocol (EAP) for Subjects Receiving Lisocabtagene Maraleucel that is Nonconforming for Commercial Release (JCAR017-EAP-001)	<i>EHS Approved 8/6</i>
Hildebrandt, Gerhard (23501)	8/4	EXPANDED ACCESS PROTOCOL (EAP) FOR SUBJECTS RECEIVING IDECABTAGENE VICLEUCEL THAT IS NONCONFORMING FOR COMMERCIAL RELEASE (BB2121-EAP-001)	<i>EHS Approved 8/6</i>
Hildebrandt, Gerhard (23481)	8/4	Intermediate-Size Population Expanded Access Program (EAP) for Ciltacabtagene autoleucel (cilta-cel) Out-of-Specification (OOS) in patients with Multiple Myeloma	<i>EHS Approved 8/6</i>
Boychuk, Carie (19660)	8/6	Dissecting Central Circuits	<i>EHS Approved 8/8</i>
Chen, Paula (17840)	8/5	Genetic Modifications of Avians	<i>EHS Approved 8/8</i>
Griffiths, Anthony (20760)	8/6	Toward vaccines and treatments of Risk Group 2 and 3 viruses	<i>EHS Approved 8/12</i>
Driver, John (17320)	8/6	Genetically modified pigs to model NKT cell immunity to influenza virus infection AND Harnessing natural killer T cells to counteract swine influenza	<i>EHS Approved 8/12</i>
Cui, Taixing (19000)	8/18	Molecular Mechanism of Cardiovascular Disease	<i>EHS Approved 8/19</i>

Yolcu , Esmā (11560)	8/13	Umbrella IBC for Shirwan and Yolcu programs	<i>EHS Approved 8/19</i>
Li , De-Pei (14900)	7/8	Viral vector-mediated transgenic approaches in rodent brain	<i>EHS Approved 8/19</i>
Ma , Wenjun (14940)	6/18	Characterization of Highly Pathogenic Influenza H5 Viruses (BL-3)	<i>EHS Approved 8/20</i>
Fay , William (17000)	7/24	Role of plasminogen activator inhibitor-1 in obesity, atherosclerosis, and vascular stiffness	<i>EHS Approved 8/20</i>
Gomez-Gutierrez , Jorge (14300)	7/22	Microbial Base Cancer Therapy	<i>EHS Approved 8/20</i>
Baldwin , Michael Robert (15220)	8/18	Standard Operating Protocol for use of purified Clostridial Neurotoxins	<i>EHS Approved 8/20</i>
Baldwin , Michael Robert (15200)	8/18	Routine cloning, expression and purification of clostridial neurotoxin fragments in E. coli and Bacillus megaterium strains using non-mobilisable and/or mobilisation-defective vectors	<i>EHS Approved 8/20</i>
Baldwin , Michael Robert (17020)	8/18	Biochemical Analysis of Tetanus Neurotoxin Structure-Function	<i>EHS Approved 8/20</i>

IV. Business

A. DMR UPDATE

PI (#)	Reviewer	Submitted	Title	Notes
Martinez-Lemus , Luis (17080)	Aarattuthodi Korte	6/29	Mechanisms of endothelial dysfunction and arterial stiffening	<i>July DMR – Korte Approved 7/22</i>
Brodeur , Tia (23100)	Cui Korte	6/11	Ovarian steroid hormone influence on leukocytes	<i>July DMR – Korte Protocol deemed unneeded Withdrawn & Inactivated 7/22</i>
Singh , Kamendra (15620)	Calcutt Rehard	5/12	Cloning genes for bacterial, viral and eukaryotic proteins into bacterial plasmids	<i>Amendment June DMR – Calcutt returned to PI</i>
Raghavan , Ram (23240)	Calcutt	4/22	Ticks and tick-borne pathogen surveillance	<i>June DMR – Calcutt Returned to PI</i>
Newton-Northup , Jessica (10212)	Heng	5/2	Cell Line Identification and Characterization by Dual Targeting of Phenotypic Markers	<i>May DMR Approved 8/14</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>

B. Policies

No movement – tabled

1. (Henegar, Hynes) – Human Gene Transfer Trials Serious & Adverse Event Reporting, **2013**
2. (Hynes, Rehard) – Toxins of Biological Origin, **2013**
3. TABLED until Fall (Kennett, Henegar, Hynes, Hamilton) – Dual Research of Concern, DURC & PEPP, **2015**
 - [IBC website](#) has been modified to include DURC info
 - Questions added to IBC form and EHS checklist
 - Awaiting further instruction from the government (Sept)

V. BSO Report

- A. BSO has been attending ACUC inspections

VI. Select Agent RO/ARO Report

- A. We had an unannounced Select Agent inspection August 5 through 7th. We had 5 inspectors representing the Division of Regulatory Science and Compliance (CDC) and The Division of Agricultural Select Agents and Toxins (USDA). Overall, the inspection went very well with 5 or 6 relatively minor potential departures identified. We will get the official Inspection report within 30 business days.

VII. Institutional Official Report

- A. Absent

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

- A. The meeting was adjourned at 4:00pm