



# University of Missouri-Columbia Institutional Biosafety Committee

## Meeting Minutes

June 17, 2025, 3:00–5:00pm

---

**Members in Attendance: 14**

Aarattuthodi, Suja	Hynes, Steve
Calcutt, Michael	Kalera, Karishma
Cui, Taxing	Korte, Scott
Dickerson, Marie	Ma, Wenjun
Gillman, Jason	Popejoy, Sid
Griffiths, Anthony	Rehard, David
Heng, Xiao	Reeme, Alison (contracted)

---

**Members Absent: 2**

Attebury, David	Casterline, Ben
-----------------	-----------------

---

**Others in Attendance:**

Hamilton, Anna  
Henegar, Jeff  
O'Connor, Erin  
Szewczyk, Michael

---

**Guests for first 2 protocols:**

Bryant, Karissa  
Farrar, Ashley  
McDaniel, Brooke  
Nanney, Heather  
Porting-Jackson, Elizabeth  
Roling, Rachel

### I. IBC Chairman called the meeting to order at 3:06pm

### II. Approval of 5/15/2025 Meeting Minutes

*IBC members reviewed the May meeting minutes. The IBC Chairman called for motions for approval. There were two motions for approval and a final request for a vote. 13 members voted for approval. 0 No. 1 Abstain.*

### III. Protocol reviews

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

##### 1. Hildebrandt, Gerhard (23500) NEW

Expanded Access Protocol (EAP) for Subjects Receiving Lisocabtagene Maraleucel that is Nonconforming for Commercial Release (JCAR017-EAP-001)

**Guideline: Section C**

Containment: BSL-2

Training: Pending

Inspection: Passed

Status: Approved

*Committee deliberations: There were two motions for approval after the EHS training requirements have been completed, and a final request for a vote. After discussion, all members voted in favor of approval upon training completion. 0 No. 0 Abstain.*

2. **Hildebrandt, Gerhard (23501) NEW**  
Expanded access protocol (EAP) for Subjects Receiving Idecabtagene Vicleucel That is Nonconforming for Commercial Release (BB2121-EAP001)  
**Guideline: Section C**  
Containment: BSL-2  
Training: Pending  
Inspection: Passed  
Status: Approved  
*Committee deliberations: There were two motions for approval after the EHS training requirements have been completed, and a final request for a vote. After discussion, all members voted in favor of approval upon training completion. 0 No. 0 Abstain.*
3. **Walker, Lianna (23400) NEW**  
Identification of Causal Genetic Variants to Improve Pig Production  
**Guideline: Sections D, E**  
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.*
4. **Ma, Wenjun (23340) NEW**  
Propagation infectious bronchitis virus (avian coronavirus) and characterization in gene edited poultry cell lines and birds  
**Guideline: Section 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.*
5. **Lange-Osborn, Margaret NEW**  
Using molecular tools to study the role of capsid structural forms in HIV replication  
**Guideline: Sections D, D-2, D-3, E**  
Containment: BSL-2  
Training: Up-to-date  
Inspection: Passed  
Status: Approved  
*Committee deliberations: There were two motions for approval via DMR with Rehard and Griffiths, and a final request for a vote. After discussion, all members voted in favor of approval via DMR. 0 No. 0 Abstain.*
6. **Wan, XiuFeng Henry (10071) Renewal**  
Ecology, Evolution, and Host Pathogen Interactions of Influenza Viruses Using Systems Biology Approaches  
**Guideline: Sections D-4, D-7, E-3**  
Containment: BSL-2  
Training: Up-to-date  
Inspection: Passed

Status: Approved

*Committee deliberations: This protocol was tabled last month. There were two motions for approval via DMR with Hynes and Rehard, and a final request for a vote. After discussion, all members voted in favor of approval via DMR. 0 No. 0 Abstain.*

7. **Braun, David (10237) Renewal**

Molecular genetic analyses of corn

**Guideline: Section E-2**

Containment: BSL-1

Training: Up-to-date

Inspection: Passed

Status: Tabled

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

8. **Telugu, Bhanu (17720) Renewal**

Stem cells and chimeras in mice

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

Containment: BSL-2

Training: Up-to-date

Inspection: Passed

Status: Approved

*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.*

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

1. **Raghavan, Ram (23240) NEW**

Ticks and tick-borne pathogen surveillance

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.*

**C. Amendments Requiring Full Committee Review**

1. **Palaniyandi, Senthilnathan (18920)**

Novel therapeutic approach to hematological malignancies

Containment: BSL-2

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. **Singh, Kamendra (15620)**

Cloning genes for bacterial, viral and eukaryotic proteins into bacterial plasmids

Containment: BSL-2

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. 0 No. 0 Abstain.

**D. FCR Renewals Tabled for lack of time**

1. **Braun**, David (10237)
2. **Sowa**, Grzegorz (10192)
3. **Duan**, Dongsheng (10181)
4. **Chen**, Paula (17840)
5. **Beversdorf**, David (10158)
6. **Bowles**, Douglas (15920)
7. **Winuthayanon**, Wipawee (18080)
8. **Picking**, William (17940)
9. **Heese**, Antje (10108)
10. **Johnson**, Marc (10118)

**E. New and Renewal Protocols Requiring IBC Chair and Biological Safety Officer Review Only**

None

**F. Amendments Requiring IBC Chair and Biological Safety Officer Review Only**

PI (#)	Submitted	Title	Notes
<b>Winuthayanon</b> , Wipawee (18080)	4/21	Steroid hormone action in the reproductive system and non-hormonal contraceptive development	<i>EHS Approved 5/16</i>
<b>Lee</b> , Kiho (13480)	5/16	Genetic engineering of livestock in Lee lab	<i>EHS Approved 5/16</i>
<b>Finegan</b> , Tara (16760)	5/16	Advanced Light Microscopy Core Research Facility	<i>EHS Approved 5/16</i>
<b>Park</b> , Soyon (19260)	5/7	Understanding and engineering host defense to a parasitic plant	<i>EHS Approved 5/19</i>
<b>Beversdorf</b> , David (10158)	3/27	Biological Sample Storage for the Study of Mental Health Conditions in Humans and Animals	<i>EHS Approved 5/20</i>
<b>Polo Parada</b> , Luis (10140)	4/21	The Role of the Extracellular Matrix in the Development of the Cardiac Action Potential.	<i>EHS Approved 5/20</i>
<b>Chen</b> , Paula (17840)	5/9	Genetic Modifications of Avians	<i>Chair, EHS Approved 5/20</i>
<b>Driver</b> , John (17320)	5/19	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 5/20</i>
<b>Lee</b> , Kiho (18562)	5/19	Genome editing in avian cells	<i>EHS Approved 5/20</i>

<b>Lee, Kiho</b> (23080)	5/19	Generation of genome edited birds	<i>EHS Approved 5/20</i>
<b>Corcoran, Jacob</b> (13040)	5/21	Molecular cloning and functional characterization of insect proteins through recombinant production and/or heterologous expression in mammalian and insect cell lines.	<i>EHS Approved 5/22</i>
<b>Bauer, David</b> (22680)	5/21	Developing Intraperitoneal Cancer Models	<i>EHS Approved 5/22</i>
<b>Grisanti, Laurel</b> (13580)	4/23	Inflammation in the Damaged Heart	<i>EHS Approved 5/27</i>
<b>Ganta, Roman</b> (18560)	4/30	Cellular and molecular evaluation of tick-borne Rickettsial pathogens of the genera Ehrlichia, Anaplasma and Rickettsia in support of advancing basic and translational research	<i>EHS Approved 5/27</i>
<b>Park, Soyon</b> (13960)	5/2	tracking mobile RNAs and proteins	<i>EHS Approved 5/27</i>
<b>Grunenwald, Caroline</b> (18840)	5/6	Bacterial Stress Responses	<i>EHS Approved 5/27</i>
<b>Dai, Yuan</b> (21820)	5/23	Biosynthesis and bioremediation of chemicals and materials	<i>EHS Approved 5/28</i>
<b>Baker, Olga</b> (18180)	5/19	Therapeutic Effects of Fibrin Hydrogels on Submandibular Glands using a Gamma Irradiated Mouse Model (10198/replaces 9940)	<i>Chair, EHS Approved 5/30</i>
<b>Chabu, Chiswili</b> (11360)	5/29	Drosophila Developmental and Cancer Biology	<i>EHS Approved 5/30</i>
<b>Kaifi, Jussuf</b> (20520)	5/6	Alveolar epithelial cell type 2 populations and single cell gene expressions in non-small cell lung cancer progression and drug resistance	<i>EHS Approved 5/30</i>
<b>Rachagani, Satyanarayana</b> (18500)	5/7	Mechanistic and therapeutic studies on various cancers	<i>EHS Approved 5/30</i>
<b>Anderson, Carolyn</b> (13800)	5/19	Development and Design of New Radiopharmaceuticals	<i>EHS Approved 6/2</i>
<b>Beverdorsf, David</b> (10158)	6/2	Biological Sample Storage for the Study of Mental Health Conditions in Humans and Animals	<i>EHS Approved 6/2</i>
<b>Dai, Yuan</b> (21820)	6/2	Biosynthesis and bioremediation of chemicals and materials	<i>EHS Approved 6/4</i>
<b>Driver, John</b> (17320)	6/4	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 6/10</i>
<b>Pollock, Kelly</b> (18680)	6/5	Blood and human sample collection for Emergency Medicine	<i>EHS Approved 6/10</i>
<b>Berndsen, Zachary</b> (18220)	6/6	structural studies of human low-density lipoprotein from commercial vendors, recombinant production, and human serum	<i>EHS Approved 6/10</i>

<b>Berndsen</b> , Zachary (18040)	6/6	recombinant protein for structure determination	<i>EHS Approved 6/10</i>
<b>Arnold</b> , W. David (18720)	5/16	Mechanisms of Aging and Neurological Disease	<i>EHS Approved 6/11</i>
<b>Hildebrandt</b> , Gerhard (18081)	5/30	Murine models of graft versus host disease after allogeneic hematopoietic cell transplantation	<i>EHS Approved 6/11</i>
<b>Palaniyandi</b> , Senthilnathan (18920)	5/28	Novel therapeutic approach to hematological malignancies	<i>EHS Approved 6/12</i>
<b>Khan</b> , Syamantak (22561)	6/13	Culturing mammalian cell lines and patient-derived organoids	<i>EHS Approved 6/13</i>
<b>Nutter</b> , Curtis (21260)	6/11	RNA regulation of membrane transport, neurological development and disease	<i>EHS Approved 6/16</i>
<b>Griffiths</b> , Anthony (20760)	5/22	Toward vaccines and treatments of Risk Group 2 and 3 viruses	<i>Chair, EHS Approved 6/16</i>
<b>Aarattuthodi</b> , Suja (20740)	5/28	Susceptibility of pig, poultry, and fish cell lines to low pathogenic viruses	<i>Chair, EHS Approved 6/16</i>

#### IV. Business

##### A. DMR UPDATE

PI (#)	Reviewer	Submitted	Title	Notes
<b>Fay</b> , William (17000)	Dickerson Korte	4/23	Role of plasminogen activator inhibitor-1 in obesity, atherosclerosis, and vascular stiffness	<i>May DMR Approved 5/21</i>
<b>Newton-Northup</b> , Jessica (10212)	Heng	5/2	Cell Line Identification and Characterization by Dual Targeting of Phenotypic Markers	<i>May DMR Inspection scheduled Primary – has questions, returned to PI</i>
<b>Kil</b> , Kun-Eek (16920)	Ma Korte	1/24	Culturing of tumor cell lines and implantation to prepare xenograft mice	<i>April DMR Korte – has questions, returned to PI</i>
<b>Andel</b> , William (13640)	Calcutt	10/2	Application of novel antibacterial nanotextured materials	<i>NOVEMBER 2024 DMR - Hynes &amp; Rehard - Inspection needed, awaiting lab setup <b>Returned to PI</b></i>

##### B. Policies – tabled

- (Hynes) – IBC Guidance for working with SARS-CoV-2 (New Policy)
- (Henegar, Hynes) – Human Gene Transfer Trials Serious & Adverse Event Reporting, 2013
- (Hynes, Rehard) – Toxins of Biological Origin, 2013
- (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/Select Agent RO/ARO Report**

A. None

**VI. Institutional Official Report**

A. None

**VII. Closing remarks by IBC Chair, Members, and Adjournment**

A. The meeting was adjourned at 5:04pm