



University of Missouri-Columbia Institutional Biosafety Committee

Meeting Minutes

November 20th, 2025, 2:00–4:00pm

Members in Attendance

Calcutt, Michael	Hynes, Steve
Casterline, Ben	Korte, Scott
Cui, Taxing	Kalera, Karishma
Dickerson, Marie	Ma, Wenjun
Gillman, Jason	Rehard, David
Griffiths, Anthony	

Members Absent

Aarattuthodi, Suja	Chandrasekhar, Anand
Attebury, David	Heng, Xiao
	Popejoy, Sid

Others in Attendance

Hamilton, Anna	Rhoades, Jamie
Henegar, Jeff	O'Connor, Erin
Kennett, Michele	Szewczyk, Michael

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

II. Approval of 10/16/2025 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. 10 members voted for approval. 0 No. 1 Abstain.

III. IBC Training

Review checklists - Admin, EHS, and Primary

IV. Protocol reviews

A. Amendments Requiring Full Committee Review

Wan, XiuFeng Henry (10151)

Influenza Infection and Husbandry for Animal Studies

Containment: BSL-2

Status: Approval via DMR

Committee deliberations: A discussion took place regarding this influenza study and the appropriateness of biosafety levels. Viral shedding concerns may indicate additional precautions are needed. Motion 1: Return SOP and amendment to PI to address shedding pattern and case by case approval and send to DMR with Rehard and Korte. Motion 2:

Decrease this containment level for this particular group of animals from ABSL2 to ABSL1.
After discussion, all members voted in favor of approval of each motion. Designated member reviewers: Rehard and Korte. 0 No. 1 Abstain.

POLICY DISCUSSION PRIOR TO PROTOCOL APPROVALS: The revision of the IBC Policy for SARS-CoV-2.

Appropriateness of biosafety levels were discussed regarding the outcome of diagnostic samples. A debate took place regarding ABSL3 vs ABSL2 containment for the animals involved. The committee decided to vote to accept the latest revisions of the policy. 6 Approve. 3 No. 3 Abstain.

- [Post-meeting, Dr. Kennett, IO, sent the following statement via email, “Given numerous committee concerns that general institution norms for conflict of interest were not followed in the review and approval of the SARS COV 2 document, that approval will be vacated.”](#)

B. 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: Section III-D-3

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

- [Post-meeting, Dr. Kennett, IO, called Ma’s protocol 23640 back to Full Committee Review](#)

2. Hamilton, Corri (22740)

Select Agent - Ralstonia solanacearum race 3 biovar 2

Guideline: Sections III-D-2, III-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 Kalera, and a final request for a vote. After discussion, all members voted in favor of approval. 0 No. 0 Abstain.

3. Berndsen, Zachary (18040)

recombinant protein for structure determination

Guideline: Sections III-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

4. Birchler, James (10414)

Gene expression and chromosome structure in Drosophila and maize

Guideline: Sections III-E

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

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

1. Zhang, Ruojie (24200)

Natural-inspired strategies to enhance microbial safety of dairy foods

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.

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

1. Dye, Bruce (23561)

QA microbiology at MURR

Training: Up-to-date

Inspection: Passed

Status: Approved

2. Baldwin, Michael (24180)

Routine cloning, expression and purification of Yersinia Outer Proteins in E.coli using non-mobilisable and/or mobilisation-defective vectors

Training: Up-to-date

Inspection: Passed

Status: Approved

3. Heng, Xiao (17240)

Structural based mechanism of virus:host interactions in supporting viral replication

Training: Up-to-date

Inspection: Passed

Status: Approved

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

PI (#)	Submitted	Title	Notes
Chen, Paula (17840)	10/24	Genetic Modifications of Avians	BSO Approved 10/29
Olson, Rachel (10064)	9/23	LIDR Animal Infection and Monitoring Services Core	Chair, BSO Approved 10/31
Schnabel, Jennifer (17800)	10/27	MU OneHealth Biorepository Protocol	BSO Approved 10/31
Griffiths, Anthony (20760)	10/24	Toward vaccines and treatments of Risk Group 2 and 3 viruses	Chair, BSO Approved 11/4
Gassmann, Walter (14980)	10/31	Molecular and Genetic Mechanisms of Plant Innate Immunity	BSO Approved 11/4
Kaifi, Jussuf (20520)	10/3	Alveolar epithelial cell type 2 populations and single cell gene expressions in non-small cell lung cancer progression and drug resistance	BSO Approved 11/4
Ateya, Mostafa (15840)	10/21	Immunity and Immunopathology of Brucella infections (13-02)	Chair, BSO Approved 11/5
Anderson, Deborah (22427)	10/9	Host cell responses to Francisella tularensis	BSO Approved 11/5
Sparks, Erin (22841)	10/21	Development and Function of Plant Roots	BSO Approved 11/5
Outlaw, Victor (22760)	10/20	Inhibition of mdm2 using SuFEx-mediated stapled peptide derived from p53	BSO Approved 11/13
Ma, Wenjun (23340)	11/13	Propagation infectious bronchitis virus (avian coronavirus) and characterization in gene edited poultry cell lines and birds	BSO Approved 11/13
DeFigueiredo, Paul (19620)	9/29	Molecular Analysis of Biological Systems	Vet, Chair, BSO Approved 11/14
Lee, Kiho (13480)	11/10	Genetic engineering of livestock in Lee lab	Chair, BSO Approved 11/14
Yolcu, Esma (11560)	10/30	Umbrella IBC for Shirwan and Yolcu programs	BSO Approved 11/14
Green, Jonathan (11920)	10/16	Somatic Cell Genome Editing Large Animal Testing Center (LATC)	Chair, BSO Approved 11/14
Telugu, Bhanu (17720)	10/2	Stem cells and chimeras in mice	BSO Approved 11/14
Bauer, David (22680)	11/14	Developing Intraperitoneal Cancer Models	BSO Approved 11/18
Kaifi, Jussuf (20520)	11/14	Alveolar epithelial cell type 2 populations and single cell gene expressions in non-small	BSO Approved 11/18

		cell lung cancer progression and drug resistance	
Telugu, Bhanu (12540)	10/2	Genome editing in animals	BSO Approved 11/18

F. Business

DMR UPDATE

PI (#)	Reviewer	Submitted	Title	Notes
Schrum, Adam (13360)	Ma Korte	9/23	Network protein signatures of T cell antigenic signaling in humanized-mouse model of Alopecia Areata	Oct DMR – Rehard Approved 10/31
Gil Pages, Diana (10128)	Heng Korte	6/2	Novel Cancer Immunotherapies	Oct DMR – Heng Approved 11/5
Beerntsen, Brenda (10129)	Dickerson Korte	9/15	Mosquito susceptibility to parasites	Oct DMR – Korte Returned to PI
Berndsen, Zachary (18220)	Heng	9/19	structural studies of human low-density lipoprotein from commercial vendors, recombinant production, and human serum	Oct DMR – Rehard Approved 10/31
Linhoff, Michael (23720)	Calcutt	9/15	Establishing a Neuronal Co-Culture System for Studying Autism-Associated Mutations in Cell Adhesion Molecules	Oct DMR – Rehard Approved 10/31
Olson, Rachel (3)	Kalera	7/21	FFS Projects	Oct DMR – Kalera Approved 11/18
Balboula, Ahmed (23641)	Dickerson	7/1	Mechanisms regulating human oocyte meiosis	August DMR – Dickerson Returned to PI
Kil, Kun-Eek (16920)	Ma Korte	1/24	Culturing of tumor cell lines and implantation to prepare xenograft mice	April DMR – Korte Returned to PI Multiple reminders have been sent.

A. Policies

- a. Dual Research of Concern, DURC & PEPP, 2015 - TABLED awaiting further instruction from the government
 - i. ([IBC website](#) has been modified to include DURC info, questions added to IBC form and EHS checklist)
- b. Human Gene Transfer Trials Serious & Adverse Event Reporting, 2013

i. The committee voted to remove this policy. All approve. 0 Np. 0 Abstain.

c. Toxins of Biological Origin, 2013 - (EHS)

i. No progress.

G. BSO Report

A. Changing Biosafety hood certification companies.

H. Select Agent RO/ARO Report

A. CDC/USDA added additional departure to original report.

I. Institutional Official Report

A. None

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

A. The meeting was adjourned at 4:15pm