

University of Wisconsin-Madison Institutional Biosafety Committee

Minutes of Regular Meeting Open Session

Date:	7/9/2025
Present:	Peter Halfmann, Matt Reynolds, Dennis Halterman, Donna Neumann, Andrea Ladd, Ryan Stoffel, Marta Gaglia, Garret Suen, Joel Malak, Megan Spurgeon, Barak Blum, Sabine Pellett
Consultants:	Lissa Koop, Darren Berger, Christina Pier, Heather Mc Fadden, Carrie Ensrud, John Cejka
OBS:	David Dyer, Sarah Woelffer, Karen Demick, Christina Pier, Andrea Ladd, Louise Meske, Stephanie Kutz, Tara Schnell, Megan Dixon, Carrie Ensrud, Kathy Krasny
Guests:	Lyric Bartholomay, Bartholomay lab
Call to order:	The meeting was called to order by Garret Suen, at Zoom at 1:31 PM
Announcements:	The IBC meeting is open to the public.
Review of Minutes:	A motion to approve the open session minutes of the following IBC meetings was Unanimously adopted. Institutional Biosafety Committee meeting on (6/18/2025) Megan Spurgeon, absent Marta Gaglia, absent
Approval of Registered Protocols:	A motion to approve registered protocols was Unanimously adopted Megan Spurgeon, absent Marta Gaglia, absent

Other business - open session

- **Agenda Items - Documents For Open Session:**
- **List of Registered Protocols_050725-060425_AM.xlsx**
- **List of Registered Protocols_050725-060425_GP.xlsx**

- **Executive Summary for H5 HPAI guidance update_062525.docx**
- **H5 HPAI Research Requirements v2_DRAFT_062525.docx**

Review of research protocols - open session

 **B00001181**

 **B00001201**

 **B00001207**

Review of research amendments - open session

 **B00000031-AM006**

 **B00000095-AM023**

 **B00000130-AM012**

 **B00000267-AM011**

 **B00000272-AM020**

 **B00000366-AM008**

 **B00000402-AM019**

 **B00000442-AM017**

 **B00000451-AM005**

 **B00000518-AM016**

? **B00000593-AM004**

? **B00000762-AM006**

? **B00000811-AM008**

? **B00000822-AM011**

? **B00000831-AM003**

? **B00000846-AM004**

? **B00000973-AM011**

? **B00001009-AM010**

? **B00001018-AM003**

Announcements

null

The meeting adjourned 3:02 PM

- **Bio Protocol Number: B00001181**

PI Name: [REDACTED]

Protocol Title: Hanson Biomedical Sciences Biosafety Level 3 Insectary

Motion: IBC approved with contingencies

Motion Made By: Peter Halfmann

Motion Seconded By: Andrea Ladd

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL2; ABSL3, BSL3;

Containment Equipment: Not applicable; Biological safety cabinet (BSC);

Committee Review: The IBC has reviewed the locations, activities, and agents

involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research deviate from standards set by the IBC. Revisions are required for approval.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines:

Summary of IBC Review: This is a new umbrella protocol for the shared BSL3/ABSL3 insectary. The BSL3/ABSL3 insectary is used for mosquito and rodent work with RG2 and RG3 pathogens. The IBC discussed facility-specific training for new users and updates to security practices for access control.

- **Bio Protocol Number: B00001201**

PI Name: [REDACTED]

Protocol Title: Investigating roles of the microenvironment to regulate tissue function

Motion: IBC approved with contingencies

Motion Made By: Matt Reynolds

Motion Seconded By: Marta Gaglia

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: ABSL2; BSL2; BSL2; BSL2; BSL1; BSL2; BSL1; BSL2; BSL2; BSL2;

Containment Equipment: Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC);

Committee Review: The IBC has reviewed the locations, activities, and agents

involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research deviate from standards set by the IBC. Revisions are required for approval.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-D-4-b); (III-D-2-a); (III-D-4-a)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-D-3-a) (III-D-3-b) (III-D-3-e); (III-E-3); (III-E-1); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-1); (III-F-4) (III-F-5);

Summary of IBC Review: This is a new protocol for a laboratory that studies how tissue microenvironments regulate tissue function using the liver as an organ model. Human tissues and cell lines and transgenic mouse models are used. It was decided that clarification is needed regarding activities outside of containment and materials in use versus in storage.

- **Bio Protocol Number: B00001207**

PI Name: Michael Lucey

Protocol Title: ACCELERATE-PACE (IBC)

Motion: IBC approved with contingencies

Motion Made By: Matt Reynolds

Motion Seconded By: Joel Malak

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL1; BSL2; BSL2; BSL2;

Containment Equipment: Chemical fume hood; Biological safety cabinet (BSC); Not applicable - N/A; Biological safety cabinet (BSC);

Committee Review: The IBC has reviewed the locations, activities, and agents

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities deviate from the standards set by the IBC. Revisions are required for approval.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: This protocol is for a biophotonics instrumentation laboratory in the Center for Quantitative Imaging. The lab uses fixed tissues, live cells, and zebrafish. No changes to research are proposed in this renewal.

NIH Guidelines: (III-D-4) (III-D-4-a) (III-D-4-b); (III-F-1);

Summary of IBC Review: This protocol is for a biophotonics instrumentation laboratory in the Center for Quantitative Imaging. The lab uses fixed tissues, live cells, and zebrafish. No changes to research are proposed in this renewal.

- **Bio Protocol Number: B00000095-AM023**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 023 for Stem Cell Therapies in Hematology and Infectious Diseases

Motion: IBC approved protocol

Motion Made By: Joel Malak

Motion Seconded By: Barak Blum

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Matt Reynolds, abstain

Biosafety Level: BSL2; BSL2; ABSL1, BSL1; ABSL2; BSL2; Not applicable (non-laboratory area); BSL2; ABSL2; ABSL2; ABSL2; ABSL2; BSL2; BSL2; ABSL2; ABSL1; ABSL2; BSL2; BSL2; ABSL2; ABSL2; ABSL2; ABSL2; BSL2; ABSL2; BSL2; ABSL2; ABSL2; BSL2; BSL2; BSL2; ABSL2; ABSL2, BSL2; ABSL2; ABSL1, BSL1; BSL2; BSL2; Not applicable (non-laboratory area); ABSL2; ABSL2; ABSL2; ABSL2; BSL2; ABSL2;

Containment Equipment: Biological safety cabinet (BSC); Not applicable; Ventilated

HEPA-filtered housing or rack system; Chemical fume hood; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Not applicable; Biological safety cabinet (BSC), Chemical fume hood, Other - back draft table for tissue trimming; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Other - Animal Transfer Station; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Ventilated HEPA-filtered housing or rack system; Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Chemical fume hood; Biological safety cabinet (BSC); Other - No aerosol generation. Non-fixed samples are never opened and contained in original container (e.g. 6-well plate, 10cm dish); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Biological safety cabinet (BSC), Chemical fume hood, Other - flow cytometer is non-aerosol generating closed system; that we can run bleach through after samples; Not applicable; Other - Other - No aerosol generation. Non-fixed samples are never opened and contained in original container (e.g. 6-well plate, 10cm dish); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC), Chemical fume hood; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-D-4-b); (III-D-2-a); (III-D-1-a) (III-D-1-b); (III-E-1); (III-E-1); (III-F-8);

(III-F-8); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: This laboratory studies hematopoietic stem cell transplantation uses in vivo models. In this amendment, injections of human and non-human primate cells into neonatal mice are proposed. Biosafety is adequately addressed.

- **Bio Protocol Number: B00000130-AM012**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 012 for Development of Mouse Models of Human Cancer

Motion: IBC approved with contingencies

Motion Made By: Marta Gaglia

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, abstain Megan Spurgeon, abstain

Biosafety Level: BSL2; ABSL2; ABSL2; BSL2; ABSL2; ABSL2; ABSL2; BSL2; BSL2; BSL2; BSL2; ABSL2; ABSL2; BSL2; BSL2; ABSL2;

Containment Equipment: Biological safety cabinet (BSC); Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Chemical fume hood; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; Biological safety cabinet (BSC); Not applicable; Chemical fume hood; Biological safety cabinet (BSC); Not applicable; Not applicable; Biological safety cabinet (BSC);

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-D-2-a); (III-D-4-a)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-E-3); (III-E-1); (III-F-8); (III-F-8); (III-F-8);

Summary of IBC Review: This laboratory uses mouse models and replication incompetent viral vectors to study cancer. Enhanced precautions are used for viral vectors expressing genes with oncogenic potential. In this amendment, a change in the approved PI is proposed. The IBC requests an update to the post-exposure emergency procedure.

- **Bio Protocol Number: B00000267-AM011**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 011 for Pathogenesis, immunology and drug discovery related to fungal infections by *Blastomyces dermatitidis* and other fungi.

Motion: IBC approved with contingencies

Motion Made By: Sabine Pellett

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: ABSL2; BSL2; ABSL3; ABSL3; ABSL2; BSL3; Other - Anteroom; BSL2; BSL2; BSL2; Other - BSL3 anteroom; ABSL2; Not applicable (non-laboratory area); BSL2; ABSL1; Not applicable (non-laboratory area); BSL2; BSL2; BSL2; BSL2; BSL2; BSL2;

Containment Equipment: Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Chemical fume hood; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC);

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used

effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and/or laboratory staff must complete required institutional biosafety training. Final approval will be withheld until required biosafety training is complete.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-D-4-b); (III-D-2-a); (III-D-2-a); (III-D-4)(III-D-4-a)(III-D-1-a)(III-D-1-b)(III-D-4-b); (III-D-4-a)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-D-3-a) (III-D-3-b) (III-D-3-e); (III-E); (III-E-1); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-4) (III-F-5);

Summary of IBC Review: The laboratory studies fungal pathogenesis of RG2 and RG3 dimorphic fungi. This renewal was reviewed by the IBC at a previous meeting and is back to the committee to consider the proposed addition of an antibiotic-resistant strain. The IBC discussed disinfection of eyewear worn in the BSL3.

Administrative revisions are needed for consistency between the biosafety protocol and BSL3 manual.

- **Bio Protocol Number: B00000272-AM020**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 020 for Designing protein-based small molecule sensors and engineering phage

Motion: IBC approved with contingencies

Motion Made By: Sabine Pellett

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: ABSL2; BSL2; BSL2; ABSL2; BSL2; BSL2; ABSL2; ABSL2; BSL2; Not applicable (non-laboratory area); BSL2; BSL2; ABSL2; BSL2; BSL2;

Containment Equipment: Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Other - Ventilated enclosure (i.e. bioBubble enclosure); Not applicable; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack

system; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable - SAIRF location for animal imaging; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Chemical fume hood; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Chemical fume hood; Chemical fume hood;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and/or laboratory staff must complete required institutional biosafety training. Final approval will be withheld until required biosafety training is complete.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work requires NIH approval under the NIH Guidelines. Final approval will be withheld until NIH approval is granted.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-B-1); (III-D-2-a); (III-D-4)(III-D-4-a)(III-D-1-a)(III-D-1-b)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-E); (III-E); (III-E-1); (III-F-8); (III-F-8); (III-F-1); (III-F-4) (III-F-5);

Summary of IBC Review: This laboratory studies protein binding using a variety of models including bacteria, human cell lines, and mice. This amendment proposes two new projects related to tetanus vaccine development and drug resistance mechanisms. The amendment was tabled at a previous IBC meeting and additional information was provided for re-review. The IBC discussed spill procedures, inactivation of bacterial isolates, and clarification of genes involved in one of the projects. NIH-OSP approval is required prior to final approval of work falling under III-B of the NIH Guidelines.

- **Bio Protocol Number: B00000366-AM008**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 008 for Application of Engineered Cardiac

Tissue to Study Human Heart Disease & Therapy Discovery

Motion: IBC approved with contingencies

Motion Made By: Marta Gaglia

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Donna Neumann, absent

Biosafety Level: BSL2; BSL2; BSL2; BSL2; BSL2; BSL2; ABSL2; Not applicable (non-laboratory area); BSL2;

Containment Equipment: Not applicable; Chemical fume hood; Not applicable; Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC); Not applicable; Ventilated HEPA-filtered housing or rack system; Not applicable; Chemical fume hood;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-D-4-a)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-D-3-a) (III-D-3-b) (III-D-3-e); (III-E-3); (III-E); (III-E-1); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-4) (III-F-5);

Summary of IBC Review: This laboratory uses engineered cardiac tissue to study the impact of mutations on cardiac genes. Replication incompetent viral vectors are also used to test gene replacement therapies in mice. In this renewal, the addition of canine heart papillary tissue is proposed. The IBC discussed post-exposure procedures for viral vectors.

- **Bio Protocol Number: B00000402-AM019**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 019 for Identifying immune responses to viral and host antigens

Motion: IBC approved with contingencies

Motion Made By: Peter Halfmann

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Matt Reynolds, absent

Biosafety Level: BSL2; ABSL2; BSL3; BSL2; ABSL2; ABSL2; BSL2; ABSL2; ABSL2; BSL2; ABSL2; BSL2; BSL1; ABSL2; ABSL2; BSL3; ABSL2; ABSL2; BSL3; ABSL2; ABSL2; BSL3; BSL2; ABSL2; ABSL2; BSL2;

Containment Equipment: Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work requires NIH approval under the NIH Guidelines. A Minor Action will be submitted. Final approval will be withheld until NIH approval is granted.

Administrative: null

NIH Guidelines: (III-D-4-b); (III-D-4) (III-D-4-a) (III-D-4-b); (III-D-2-a); (III-D-4)(III-D-4-a)(III-D-1-a)(III-D-1-b)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-E); (III-E-1); (III-F-8); (III-F-1);
Summary of IBC Review: This laboratory studies HIV using wild type and recombinant forms of HIV and SIV. In this amendment, procedures are proposed for removing sealed culture plates infected with SIV expressing green fluorescent protein from the BSL3 laboratory for fluorescent microscopy at BSL2 and then returning them to the BSL3. Plates will remain in sealed, waterproof secondary containment throughout transport and imaging. Biosafety is adequately addressed.

- **Bio Protocol Number: B00000442-AM017**

PI Name: Krishanu Saha

Protocol Title: Amendment/Renewal 017 for Cell and Tissue Engineering with Stem Cells

Motion: IBC approved protocol

Motion Made By: Garret Suen

Motion Seconded By: Donna Neumann

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL2; BSL2; BSL1; BSL2; BSL2; BSL2; BSL2; BSL2;

Containment Equipment: Other - Baker BioProtect; Biological safety cabinet (BSC); Not applicable; Other - Autoclave; Not applicable; Chemical fume hood; Chemical fume hood; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-D-2-a); (III-D-1-a) (III-D-1-b); (III-D-3-a) (III-D-3-b) (III-D-3-e); (III-E); (III-E-1); (III-F-8); (III-F-1);

Summary of IBC Review: This laboratory studies how microenvironment directs cell fate in human embryonic and induced pluripotent stem cells. They use replication incompetent viral vectors and a variety of human and animal cells and cell lines. No changes to the research are proposed in this renewal. Biosafety is adequately addressed.

- **Bio Protocol Number: B00000451-AM005**

PI Name: Mehdi Kabbage

Protocol Title: Amendment/Renewal 005 for Epidemiology and Management of Field Crop Diseases

Motion: IBC approved with contingencies

Motion Made By: Dennis Halterman

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL1; BSL1; BSL1; BSL1; BSL1-P;

Containment Equipment: Not applicable; Not applicable; Not applicable; Chemical fume hood; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-D-3-a) (III-D-3-b) (III-D-3-e); (III-E-2-a); (III-E); (III-F-8); (III-F-8);
Summary of IBC Review: The laboratory studies fungal biology as it relates to plant pathogen disease management. In this renewal, a new model fungus was added. The IBC discussed clarifications needed for activities involving plant pathogens and the potential of agar plug inoculation to generate aerosols.

- **Bio Protocol Number: B00000518-AM016**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 016 for Planar Cell Polarity in Mammalian Skin Development and Diseases

Motion: IBC approved with contingencies

Motion Made By: Barak Blum

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: ABSL2; BSL2; BSL1; BSL1; BSL1; BSL1; BSL1; BSL2; BSL2; BSL1; BSL1; BSL1; BSL2; BSL1; BSL2; BSL2; BSL2; BSL1; BSL2;

Containment Equipment: Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; Chemical fume hood; Not applicable; Not applicable; Chemical fume hood; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research deviate from standards set by the IBC. Revisions are required for approval.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-D-4-b); (III-E-3); (III-E-3); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: The laboratory studies the mechanisms that pattern cells in tissue planes and body axes using cell culture and mouse models. In this renewal, no significant changes in research materials or activities are proposed.

Personnel working with animals at ABSL2 must take the online ABSL2 training module.

- **Bio Protocol Number: B00000593-AM004**

PI Name: Hasan Khateeb

Protocol Title: Amendment/Renewal 004 for The role of epigenetics in animal health and reproduction

Motion: IBC approved with contingencies

Motion Made By: Andrea Ladd

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent Megan Spurgeon, absent

Biosafety Level: BSL2; BSL1; Not applicable (non-laboratory area); BSL1;

Containment Equipment: Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Not applicable; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-E-1); (III-F-8); (III-F-1);

Summary of IBC Review: This laboratory studies gene-specific activation and silencing using deactivated Cas9 systems. There were no proposed changes to research in this renewal. The IBC is requesting clarification of the type of cells used and an updated spill protocol.

- **Bio Protocol Number: B00000762-AM006**

PI Name: Elizabeth Wright

Protocol Title: Amendment/Renewal 006 for Structural studies of host-pathogen relationships by cryo-EM, light microscopy, and molecular approaches

Motion: IBC approved with contingencies

Motion Made By: Dennis Halterman

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Peter Halfmann, abstain

Biosafety Level: BSL2; Not applicable (non-laboratory area); BSL2; BSL1; BSL2; BSL2; BSL1; BSL2; Not applicable (non-laboratory area); BSL2; BSL2; BSL1; ABSL1, BSL1; BSL2; BSL2; ABSL1, BSL1; BSL2; BSL2; BSL2; BSL2; BSL2; BSL1; BSL2; BSL1; Not applicable (non-laboratory area); Not applicable (non-laboratory area); BSL2; BSL2;

Containment Equipment: Biological safety cabinet (BSC); Not applicable; Other - Only small quantities of sample will enter this space, remaining unfixed sample will be moved back to B1106G; Chemical fume hood; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required

institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-D-4-a) (III-D-4-b); (III-D-4) (III-D-4-a) (III-D-4-b); (III-D-2-a); (III-D-2-a); (III-D-1-a) (III-D-1-b); (III-E); (III-E); (III-E-1); (III-F-8); (III-F-8); (III-F-1); (III-F-4) (III-F-5);

Summary of IBC Review: The laboratory uses cryo-electron microscopy and molecular biology approaches to study the three-dimensional structure of eukaryotic cells, bacteria, viruses, and macromolecular complexes. The laboratory also uses transgenic fruit flies in collaboration with another group. In this amendment, a new project investigating amyloid neuropathies is proposed. The IBC considered precautions for working with “prion-like” proteins and found them adequate.

- **Bio Protocol Number: B00000811-AM008**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 008 for Pluripotent Stem Cells and Transplantation Immunology

Motion: IBC approved with contingencies

Motion Made By: Megan Spurgeon

Motion Seconded By: Donna Neumann

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: ABSL2; ABSL2; ABSL1; BSL2; ABSL2; Other - BSL2/ABSL2; BSL2; BSL2; ABSL2; Other - BSL2/ABSL2; ABSL1; BSL1; ABSL1; BSL2; ABSL2; ABSL2; Other - BSL2/ABSL2; ABSL2; ABSL2; ABSL2; Other - BSL2/ABSL2; ABSL2; ABSL2; BSL2; Containment Equipment: Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Other - Imaging facility; Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC), Chemical fume hood; Biological

safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Ventilated HEPA-filtered housing or rack system; Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC), Chemical fume hood;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-D-4-b); (III-D-2-a); (III-D-4)(III-D-4-a)(III-D-1-a)(III-D-1-b)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-E-1); (III-E-1); (III-F-8); (III-F-8); (III-F-8);

Summary of IBC Review: The laboratory studies transplant tolerance and rejection using nonhuman primate and human cells and mouse models. In this renewal, updates to locations and removal of diphtheria toxin from storage to resume active work are proposed. Additional information is needed for proposed toxin work.

- **Bio Protocol Number: B00000822-AM011**

PI Name: Rachael Wilson

Protocol Title: Amendment/Renewal 011 for UW AD Program Biomarker Protocol

Motion: IBC approved protocol

Motion Made By: Garret Suen

Motion Seconded By: Dennis Halterman

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL2; BSL2; BSL2; BSL2; Not applicable (non-laboratory area); BSL2; BSL2;

Containment Equipment: Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC), Chemical fume hood; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work is not subject to the NIH Guidelines.

Administrative: null

NIH Guidelines:

Summary of IBC Review: This protocol is for a core facility that provides lab equipment, analyzers, and expertise for the study of biomarkers of Alzheimer's disease and related disorders in cerebrospinal fluid and blood. No changes in the activities or materials are proposed in this renewal. Biosafety is adequately addressed.

- **Bio Protocol Number: B00000831-AM003**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 003 for Understanding the mechanisms of electrical neuromodulation using fluorescent indicators and optogenetic tools.

Motion: IBC approved with contingencies

Motion Made By: Megan Spurgeon

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: ABSL1, BSL1; ABSL2, BSL2; ABSL2; ABSL1, BSL1; Not applicable

(non-laboratory area); ABSL2;

Containment Equipment: Chemical fume hood; Biological safety cabinet (BSC);
Biological safety cabinet (BSC); Not applicable; Not applicable; Biological safety cabinet (BSC);

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-D-4-a)(III-D-4-b); (III-E-3); (III-F-8); (III-F-8); (III-F-8);

Summary of IBC Review: This laboratory studies electrical neuromodulation for clinical applications. They use genetically-encoded optically-based electrophysiological tools in established rodent models of disease. In this renewal, no changes to the research are proposed. The IBC requests revision of the Research Description to use a different format for easier reading.

- **Bio Protocol Number: B00000846-AM004**

PI Name: Jeffrey Martell

Protocol Title: Amendment/Renewal 004 for Martell Group Biosafety Protocol:

enzyme-mimicking catalysis using chemically functionalized DNA and protein cages

Motion: IBC approved protocol

Motion Made By: Andrea Ladd

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent Megan Spurgeon, absent

Biosafety Level: BSL2; BSL1; BSL1; BSL2; BSL2;

Containment Equipment: Biological safety cabinet (BSC); Not applicable; Not applicable; Chemical fume hood; Chemical fume hood;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-E); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: This laboratory studies enzyme-mimicking catalysts and enzyme evolution using RG1 E. coli, RG1 yeast, and a human cell line. In this renewal, additional genes were added. Biosafety is adequately addressed.

- **Bio Protocol Number: B00000973-AM011**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 011 for Lang Lab ovarian cancer translational research biosafety protocol

Motion: IBC approved protocol

Motion Made By: Megan Spurgeon

Motion Seconded By: Peter Halfmann

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL1; BSL1; BSL2; BSL1; BSL1; BSL2; BSL1; ABSL2; BSL2; BSL2; BSL1; BSL2;

Containment Equipment: Chemical fume hood; Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Chemical fume hood;

Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system;
Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Not applicable; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-D-4-b); (III-D-2-a); (III-D-1-a) (III-D-1-b); (III-E); (III-E-1); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: The laboratory studies the role of oncogenes, tumor suppressor regions, and regulatory proteins that modulate their expression in oncogenesis and response to cancer therapeutics. This work uses cancer cell lines, patient tissues, and mouse xenograft models. In this amendment, RG1 E. coli, replication incompetent viral vectors, and genome editing in somatic cells using a transposase system are proposed. The IBC noted that new experiments are designed to overexpress tumor suppressors so have low risk of oncogenic potential in the event of an exposure. Biosafety is adequately addressed.

- **Bio Protocol Number: B00001009-AM010**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 010 for Molecular mechanisms that contribute to chronic pain

Motion: IBC approved with contingencies

Motion Made By: Sabine Pellett

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL2; BSL2; BSL1; BSL1; BSL1; BSL1; BSL1; BSL1; BSL2; BSL1; BSL2; BSL2;

Containment Equipment: Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Chemical fume hood; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and/or laboratory staff must complete required institutional biosafety training. Final approval will be withheld until required biosafety training is complete.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: Administrative revisions are required for approval (e.g., reorganizing information, removing extraneous text, correcting typos, spelling out acronyms).

NIH Guidelines: (III-D-2-a); (III-D-4-a)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-D-3-a) (III-D-3-b) (III-D-3-e); (III-E); (III-E-3); (III-E-1); (III-E); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: The laboratory studies the molecular mechanisms that contribute to persistent pain. In this amendment, they propose the use of recombinant diphtheria toxin A chain in animals and cell culture models. It was noted that the A chain by itself is not toxic as it requires the B chain for cell entry. The IBC discussed updates to the emergency procedures.

- **Bio Protocol Number: B00001018-AM003**

PI Name: Jose Ayuso Dominguez

Protocol Title: Amendment/Renewal 003 for Microphysiological models for cell biology

Motion: IBC approved protocol

Motion Made By: Andrea Ladd

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent Megan Spurgeon, absent

Biosafety Level: BSL1; BSL2; BSL1; BSL2; BSL2;

Containment Equipment: Chemical fume hood; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: Facilities meet standards set by the IBC or additional controls are used effectively to mitigate risk caused by deviation from the standards.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training.

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-E-1); (III-F-8); (III-F-8); (III-F-1); (III-F-4) (III-F-5);

Summary of IBC Review: This laboratory fabricates microphysiological platforms for in vitro studies of disease, including cancer, tissue remodeling, and microfluidic models using cultured cells and cell lines. In this renewal, additional cell types and cell lines were added. Biosafety is adequately addressed.

University of Wisconsin-Madison Institutional Biosafety Committee

Minutes of Regular Meeting Closed Session

Date: 7/9/2025

Present: Peter Halfmann, Matt Reynolds, Dennis Halterman, Donna Neumann, Andrea Ladd, Ryan Stoffel, Marta Gaglia, Garret Suen, Joel Malak, Megan Spurgeon, Barak Blum, Sabine Pellett

Consultants: Lissa Koop, Darren Berger, Christina Pier, Heather Mc Fadden, Carrie Ensrud, John Cejka

OBS: David Dyer, Sarah Woelffer, Karen Demick, Christina Pier, Andrea Ladd, Louise Meske, Stephanie Kutz, Tara Schnell, Megan Dixon, Carrie Ensrud, Kathy Krasny

Guests: Lyric Bartholomay, Bartholomay lab

Call to order: The meeting was called to order by Garret Suen, at Zoom at 1:31 PM

Announcements: The IBC meeting is closed to the public.

Review of Minutes: A motion to approve the closed session minutes of the following IBC meetings was Unanimously adopted.

Institutional Biosafety Committee meeting on (6/18/2025)

Matt Reynolds, absent

Other business - closed session

- **Agenda Items - Documents For Closed Session:**

Review of research protocols - closed session

Review of research amendments - closed session

🔍 B00000103-AM020

Announcements

null

The meeting adjourned 3:02 PM

- **Bio Protocol Number: B00000103-AM020**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 020 for WNPRC/SPI Project Support for Non-UW Investigators

Motion: IBC approved protocol

Motion Made By: Garret Suen

Motion Seconded By: Andrea Ladd

Committee Action: Adopted unanimously by hand vote

Nay Votes, Abstentions, Absentees: Matt Reynolds, absent

Biosafety Level: BSL2; BSL2; ABSL2; BSL2; ABSL2; ABSL2; ABSL2; ABSL2; ABSL2; ABSL2; BSL2; ABSL2; ABSL2; BSL2; ABSL2; BSL2; ABSL2; ABSL2;

Containment Equipment: Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable;

Committee Review: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Facilities: The IBC has reviewed the locations, activities, and agents involved in the proposed work. The IBC considered agent characteristics including but not limited to pathogenicity, stability, and source and nature of recombinant and synthetic nucleic acids and their expressed products, as applicable.

Required Institutional Training: The PI and laboratory staff have completed required institutional biosafety training

Lab-specific Training and Expertise: The training and expertise of personnel involved in the conduct of research meets standards set by the IBC.

PPE, Controls, and Practices: The PPE, engineering controls, and administrative controls meet the standards set by the IBC for the proposed materials and activities or additional controls are used effectively to mitigate risk caused by deviation from the standards.

NIH Guidelines Requirements: Proposed work meets the requirements set forth in the NIH Guidelines.

Administrative: null

NIH Guidelines: (III-D-4-b); (III-D-4)(III-D-4-a)(III-D-1-a)(III-D-1-b)(III-D-4-b); (III-D-4-a)(III-D-4-b); (III-E-1); (III-F-1);

Summary of IBC Review: This is an umbrella protocol for the Scientific Protocol Implementation unit at the Wisconsin National Primate Research Center. In this amendment, a new CAR-T cell project is proposed. The new project was well described including safety risks and precautions. The procedures and materials are consistent with existing approved projects. Biosafety is adequately addressed.