

University of Wisconsin-Madison Institutional Biosafety Committee

Minutes of Regular Meeting Open Session

Date:	9/3/2025
Present:	Peter Halfmann, Matt Reynolds, Dennis Halterman, Donna Neumann, Yevgenya Grinblat, Warren Rose, Amita Kapoor, Stephanie Kutz, Ryan Stoffel, Garret Suen, Joel Malak, Clint Morgan, Barak Blum, Steve Garvis
Consultants:	Tony Mcgrath, Lissa Koop, Christina Pier, Carrie Ensrud, Quin Koehl
OBS:	Tony Mcgrath, TJ Whyte, David Dyer, Christina Pier, Louise Meske, Stephanie Kutz, Megan Dixon, Erin Plisch, Donald Busalacchi, Carrie Ensrud, Kathy Krasny, Quin Koehl
Guests:	Dr. Bryce LaFoya, LaFoya laboratory
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 (8/20/2025) Barak Blum, absent Warren Rose, absent Donna Neumann, absent Yevgenya Grinblat, absent
Approval of Registered Protocols:	A motion to approve registered protocols was Unanimously adopted Barak Blum, absent Warren Rose, absent Yevgenya Grinblat, absent

Other business - open session

- **Agenda Items - Documents For Open Session:**
- **List of Registered Protocols_070925-080625_AM.xlsx**

- **List of Registered Protocols_070925-080625_GP.xlsx**

Review of research protocols - open session

? **B00001177**

? **B00001210**

? **B00001214**

? **B00001224**

? **B00001225**

Review of research amendments - open session

? **B00000429-AM017**

? **B00000483-AM007**

? **B00000506-AM014**

? **B00000520-AM008**

? **B00000540-AM021**

? **B00000545-AM009**

? **B00000551-AM003**

? **B00000762-AM007**

? **B00000859-AM002**

? **B00001086-AM002**

Announcements

null

The meeting adjourned 2:13 PM

- **Bio Protocol Number: B00001177**

PI Name: [REDACTED]

Protocol Title: [REDACTED] - Role of eosinophils in respiratory host protection

Motion: IBC approved with contingencies

Motion Made By: Peter Halfmann

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, abstain Donna Neumann, absent
Biosafety Level: BSL1; BSL2; ABSL2, BSL2; ABSL2; BSL1; BSL1; ABSL2; Not
applicable (non-laboratory area);

Containment Equipment: Chemical fume hood; Biological safety cabinet (BSC);
Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not
applicable; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack
system; 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-F-8);

Summary of IBC Review: This is a new protocol proposing work with respiratory
pathogens. The IBC considered containment, agents, and biosafety practices as
outlined in the proposal and the biosafety, emergency response and containment
are adequately addressed. The IBC considered BMBL information during discussion.

- **Bio Protocol Number: B00001210**

PI Name: XXXXXXXXXX

Protocol Title: Investigating tissue development and regeneration

Motion: IBC approved with contingencies

Motion Made By: Yevgenya Grinblat

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum absent

Biosafety Level: BSL2; BSL2; BSL1; BSL1; ABSL1, BSL1; ABSL1; BSL1; ABSL1; BSL1; BSL2; BSL2; BSL1; BSL1;

Containment Equipment: Not applicable; Not applicable; Not applicable; Chemical fume hood; Not applicable; Not applicable; Chemical fume hood; Not applicable; Not applicable; 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: 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-E); (III-E-1); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: This is a new protocol proposing work with stem cells and tissue formation and the goal is to understand how tissues are built and repaired in multicellular organisms. The laboratory proposes work with RG1 E. coli, zebrafish, Drosophila and Danionella. The IBC discussed details in the research description for the research activities and minor clarifications are needed.

- **Bio Protocol Number: B00001214**

PI Name: [REDACTED]

Protocol Title: Leveraging host-pathogen-antibiotic interactions to overcome antimicrobial resistance

Motion: IBC approved with contingencies

Motion Made By: Yevgenya Grinblat

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent Warren Rose, abstain

Biosafety Level: BSL2; ABSL1, BSL1; BSL2; ABSL2, BSL2; BSL1; BSL2; BSL2; ABSL2, BSL2; ABSL2, BSL2;

Containment Equipment: Other - autoclave; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Other - anaerobic chamber; Biological safety cabinet (BSC), Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; 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-b); (III-D-4) (III-D-4-a) (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-1-a) (III-D-1-b); (III-F-4) (III-F-5);

Summary of IBC Review: This is a new protocol with proposed work to identify strategies to prevent and overcome antibiotic resistance via the use of novel combination therapies, dosing strategies, and by leveraging the capabilities of the immune system. Proposed research includes RG2 microbes and molecular cloning techniques. The IBC reviewed the protocol and considered microbes and containment practices and minor clarifications are needed. PI status was approved

- **Bio Protocol Number: B00001224**

PI Name: [REDACTED]

Protocol Title: Immune signaling in the renal cell carcinoma tumor microenvironment

Motion: IBC approved with contingencies

Motion Made By: Matt Reynolds

Motion Seconded By: Peter Halfmann

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

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

Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); 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: null

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-b); (III-D-2-a); (III-D-1-a) (III-D-1-b); (III-E-1); (III-F-8); (III-F-1);

Summary of IBC Review: This is a new protocol from a laboratory proposing work focusing on the immune system's role in controlling cancer, particularly the network of chemical signals known as chemokines that direct immune cell movement. To study these processes, they propose several laboratory models and tools. These include established human cell lines, murine cell lines, patient samples, gene editing and replication incompetent viral vectors, reporter markers,

and flow cytometry. The IBC considered the microbes and minor clarifications are needed.

- **Bio Protocol Number: B00001225**

PI Name: Hannah Wayment-Steele

Protocol Title: Exploring and exploiting dynamics for engineering plastic decomposing enzymes

Motion: IBC approved with contingencies

Motion Made By: Steve Garvis

Motion Seconded By: Dennis Halterman

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

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/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 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-E); (III-F-8); (III-F-1); (III-F-4) (III-F-5);

Summary of IBC Review: This is a new protocol proposing work understanding protein dynamics in an enzyme. They will be expressing protein in E coli (BSL-1) and evaluating it using Nuclear Magnetic Resonance (NMR) relaxation dispersion

experiments. The IBC considered spill protocols and biosafety is adequately addressed.

- **Bio Protocol Number: B00000429-AM017**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 017 for Optical Imaging as a method to resolve cellular, molecular, and metabolic changes

Motion: IBC approved protocol

Motion Made By: Amita Kapoor

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

Containment Equipment: Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Chemical fume hood; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Not applicable; Biological safety cabinet (BSC); Not applicable - Room only contains -80 freezer; Biological safety cabinet (BSC),

Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC);

Biological safety cabinet (BSC); Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; 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: 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-1-a)(III-D-1-b); (III-E-1); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: This is a proposed amendment to add activities performed outside of containment with an RG2 microbe. Lab utilizes optical imaging to investigate mechanisms associated with cellular, molecular, and metabolic changes in a variety of experimental conditions. The biosafety is adequately addressed.

- **Bio Protocol Number: B00000483-AM007**

PI Name: Daniel Amador-Noguez

Protocol Title: Amendment/Renewal 007 for LC/MS Metabolomics of Bacteria

Motion: IBC approved protocol

Motion Made By: Warren Rose

Motion Seconded By: Amita Kapoor

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

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

Chemical fume hood; 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-F-8); (III-F-1); (III-F-8); (III-F-4) (III-F-5);

Summary of IBC Review: This is a protocol renewal proposing adding work with RG1 bacteria. The lab uses LC/MS to measure intracellular metabolites of diverse bacterial species in small volumes with a focus on biofilm metabolomics and biofilm producing organisms. Biosafety is adequately addressed.

- **Bio Protocol Number: B00000506-AM014**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 014 for Biology of Papillomaviruses

Motion: IBC approved with contingencies

Motion Made By: Donna Neumann

Motion Seconded By: Garret Suen

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

Biosafety Level: ABSL2; ABSL1; ABSL1; BSL2; BSL2; ABSL2; ABSL2; BSL1; ABSL1; ABSL2; BSL1; ABSL2; ABSL2; ABSL2; ABSL2; ABSL2; ABSL2; BSL1; BSL1; ABSL2; BSL1; BSL1; BSL1; ABSL1; ABSL2;

Containment Equipment: Chemical fume hood; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Chemical fume hood; 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-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-4-a)(III-D-4-b); (III-D-1-a) (III-D-1-b); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-8); (III-F-8);

Summary of IBC Review: This is an amendment to the biosafety protocol proposing to add a RG2 bacteria used to determine efficacy of a commensal bacterial vaccine. The IBC considered the microbe and minor clarifications are needed.

- **Bio Protocol Number: B00000520-AM008**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 008 for Dynamics of altered genome and kinome in cancer

Motion: IBC approved protocol

Motion Made By: Garret Suen

Motion Seconded By: Stephanie Kutz

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

Biosafety Level: BSL1; BSL1 - ; ABSL2; ABSL2, BSL2; BSL2; ABSL2, BSL2; BSL1; BSL1; BSL2; BSL2; BSL2 - Containment suite;

Containment Equipment: Not applicable; Not applicable; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC); Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Chemical fume hood; Not applicable; Biological safety cabinet (BSC); 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 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-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-1-a) (III-D-1-b); (III-E); (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 is a biosafety protocol renewal proposing work studying transcriptional signaling in tumor progression. They use a variety of established cell lines and employ CRISPR/Cas9, shRNA, and replication incompetent viral vectors to knockout, knockdown, or overexpress genes of interest. Biosafety is adequately addressed. No changes from previously approved biosafety protocol.

- **Bio Protocol Number: B00000540-AM021**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 021 for Development of next-generation probiotics to prevent foodborne infections, and treat/prevent acute and chronic human diseases.

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: Barak Blum, absent

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

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

Chemical fume hood; Ventilated HEPA-filtered housing or rack system; Not applicable; Not applicable; Biological safety cabinet (BSC); Chemical fume hood; Ventilated HEPA-filtered housing or rack system; 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: 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); (III-E); (III-F-8); (III-F-8); (III-F-4) (III-F-5);

Summary of IBC Review: This is a proposed renewal protocol with no changes to the research objectives and activities. Laboratory studies phage biology for therapeutic purposes of targeting RG1 and RG2 bacteria that metabolize toxic compounds or produce bacteriocins. The lab works with multiple human and mouse cell lines and mouse tissues employing recombinant technologies including gene editing.

Biosafety is adequately addressed.

- **Bio Protocol Number: B00000545-AM009**

PI Name: Daniel Noguera

Protocol Title: Amendment/Renewal 009 for Phylogenetic analyses of environmental samples and bioreactors used for nutrient removal and biofuel production

Motion: IBC approved with contingencies

Motion Made By: Warren Rose

Motion Seconded By: Dennis Halterman

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

Containment Equipment: Not applicable; Chemical fume hood; Not applicable; Chemical fume hood, Other - BSL-2 work in room 3207 will be performed in a

separate glass-door lab area (vented to the roof); Not applicable; Not applicable; Not applicable; Chemical fume hood; Chemical fume hood; Chemical fume hood; Chemical fume hood; 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 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-F-8);

Summary of IBC Review: This is a protocol renewal for a lab focusing on activated sludge processes and the protocol was reviewed on July 23, 2025. For this renewal the laboratory removed a few projects and added more information in response to previous IBC contingencies including those regarding containment for the fermentation. The IBC reviewed containment practices for the work proposed.

- **Bio Protocol Number: B00000551-AM003**

PI Name: John Pool

Protocol Title: Amendment/Renewal 003 for Transgenic alteration of the genotype of wild-derived *Drosophila* strains

Motion: IBC approved with contingencies

Motion Made By: Yevgenya Grinblat

Motion Seconded By: Dennis Halterman

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

Biosafety Level: BSL1; BSL1; BSL1; BSL1;

Containment Equipment: 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: 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-2-b-4)(III-E-2-b-5); (III-F-8); (III-F-1); (III-F-4) (III-F-5);

Summary of IBC Review: This renewal protocol proposes to work with *Drosophila melanogaster* to understand gene influence or a specific genetic variant of a phenotype that differs between populations such as pigmentation or body size.

Work also includes RG1 *E. coli* at BSL1 containment. The proposed changes included adding genes for editing in *Drosophila*. The IBC considered minor administrative updates. Biosafety was adequately addressed.

- **Bio Protocol Number: B00000762-AM007**

PI Name: Elizabeth Wright

Protocol Title: Amendment/Renewal 007 for Structural studies of host-pathogen relationships by cryo-EM, light microscopy, and molecular approaches

Motion: IBC approved with contingencies

Motion Made By: Amita Kapoor

Motion Seconded By: Donna Neumann

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent Steve Garvis, abstain 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: This is an amendment proposing to add a project with a RG2 recombinant virus, cell lines and additional RG1 bacteria. The laboratory

proposes studies similar to the current viral work outlined in the biosafety protocol. The laboratory proposes handling the newly added virus using BSL2 precautions and containment already utilized for other microbes listed on the protocol. The IBC considered minor administrative items. Biosafety is adequately addressed.

- **Bio Protocol Number: B00000859-AM002**

PI Name: Amy Weeks

Protocol Title: Amendment/Renewal 002 for Spatially-resolved mapping of post-translational modifications using enzymatic tools

Motion: IBC approved protocol

Motion Made By: Garret Suen

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

Containment Equipment: Not applicable; Chemical fume hood; Biological safety cabinet (BSC); Chemical fume hood; Chemical fume hood; Not applicable; Chemical fume hood; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Chemical fume hood; 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-E); (III-E-1); (III-F-8); (III-F-8); (III-F-8); (III-F-1); (III-F-8);

Summary of IBC Review: This is a protocol renewal proposing work seeking to develop and apply chemical and enzymatic tools analysis of post-translational modifications in living cells. Replication incompetent viral vectors, RG1 E. coli and human cells are proposed in the experimental design along with minor updates. Biosafety is adequately addressed.

- **Bio Protocol Number: B00001086-AM002**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 002 for Elucidating the role of the gut microbiome in influencing host metabolism

Motion: IBC approved with contingencies

Motion Made By: Peter Halfmann

Motion Seconded By: Steve Garvis

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

Containment Equipment: Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Chemical fume hood; Biological safety cabinet (BSC); Other - Anaerobic chamber; Not applicable; Biological safety cabinet (BSC); Ventilated HEPA-filtered housing or rack system; 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)(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); (III-E-1); (III-E-1); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: This is a protocol amendment proposing new work with a RG1 replication incompetent viral vector used to mediate gene knockdown in mice and mouse cells. Biosafety is adequately addressed.

University of Wisconsin-Madison Institutional Biosafety Committee

Minutes of Regular Meeting Closed Session

Date: 9/3/2025

Present: Peter Halfmann, Matt Reynolds, Dennis Halterman, Donna Neumann, Yevgenya Grinblat, Warren Rose, Amita Kapoor, Stephanie Kutz, Ryan Stoffel, Garret Suen, Joel Malak, Clint Morgan, Barak Blum, Steve Garvis

Consultants: Tony Mcgrath, Lissa Koop, Christina Pier, Carrie Ensrud, Quin Koehl

OBS: Tony Mcgrath, TJ Whyte, David Dyer, Christina Pier, Louise Meske, Stephanie Kutz, Megan Dixon, Erin Plisch, Donald Busalacchi, Carrie Ensrud, Kathy Krasny, Quin Koehl

Guests: Dr. Bryce LaFoya, LaFoya laboratory

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 (8/20/2025)

Barak Blum, absent Yevgenya Grinblat, absent

Other business - closed session

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

Review of research protocols - closed session

 **B00001218**

Review of research amendments - closed session

Announcements

null

The meeting adjourned 2:13 PM

- **Bio Protocol Number: B00001218**

PI Name: David Pham

Protocol Title: MAGNITUDE: A Phase 3, Multinational, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of  in Participants with Transthyretin Amyloidosis with Cardiomyopathy (ATTR-CM)

Motion: IBC approved with contingencies

Motion Made By: Joel Malak

Motion Seconded By: Matt Reynolds

Committee Action: Adopted unanimously by hand vote

Nay Votes, Abstentions, Absentees: Barak Blum, absent

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

Containment Equipment: 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/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 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-C-1);

Summary of IBC Review: This is a new protocol proposing a human subjects trial evaluating the safety and efficacy of Intellia, a therapy for cardiac ATTR amyloidosis.

The PI status was approved. The IBC considered PPE, practices and signage and minor clarifications are needed while biosafety is adequately addressed.

Stephanie Kutz gave the IBC incident report.