

University of Wisconsin-Madison Institutional Biosafety Committee

Minutes of Regular Meeting Open Session

Date:	6/4/2025
Present:	Matt Reynolds, Dennis Halterman, Yevgenya Grinblat, Andrea Ladd, Warren Rose, Ryan Stoffel, Marta Gaglia, Lindsey Moser, Joel Malak, Barak Blum, Sabine Pellett, Steve Garvis
Consultants:	Tony McGrath, Lissa Koop, Heather Mc Fadden, Carrie Ensrud, John Cejka, Quin Koehl
OBS:	Tony McGrath, David Dyer, Karen Demick, Andrea Ladd, Louise Meske, Stephanie Kutz, Tara Schnell, Megan Dixon, Carrie Ensrud, Kathy Krasny, Quin Koehl
Guests:	Dr. Wendy Turner, Turner lab Helen Oker, Trowbridge lab Dr. Amy Trowbridge, Trowbridge lab Laura Zitur, Poulsen lab Kristin Zuzek, Poulsen lab Deb Hartley, Poulsen lab Dr. Ailam Lim, Poulsen lab
Call to order:	The meeting was called to order by Warren Rose, at Zoom at 1:32 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 (5/21/2025) Marta Gaglia, absent Dennis Halterman, absent Lindsey Moser, abstained
Approval of Registered Protocols:	A motion to approve registered protocols was Unanimously adopted Marta Gaglia, absent Dennis Halterman, absent

Other business - open session

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

- **List of Registered Protocols_040225-050725_AM.xlsx**
- **List of Registered Protocols_040225-050725_GP.xlsx**

Review of research protocols - open session

 B00001199

 B00001208

Review of research amendments - open session

 B00000049-AM017

 B00000182-AM035

 B00000219-AM013

 B00000272-AM020

 B00000443-AM014

 B00000468-AM012

 B00000471-AM013

 B00000494-AM007

 B00000500-AM003

 B00000684-AM004

 B00000840-AM004

? **B00000882-AM009**

? **B00001043-AM003**

? **B00001133-AM001**

Announcements

null

The meeting adjourned 3:32 PM

- **Bio Protocol Number: B00001199**

PI Name: Amy Trowbridge

Protocol Title: Safe storage and application of the insect virus, *Junonia coenia* densovirus

Motion: IBC approved with contingencies

Motion Made By: Matt Reynolds

Motion Seconded By: Dennis Halterman

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL2; BSL1; BSL1

Containment Equipment: Biological safety cabinet (BSC), Chemical fume hood; 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 is not subject to 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 protocol from Trowbridge lab, which studies how tree compounds can affect the immune response of spongy moth. The lab will infect moths with an insect parvovirus to challenge its immune system. This parvovirus has a narrow host range that does not include native WI species. The IBC discussed measures to prevent and recapture escaped moths.

- **Bio Protocol Number: B00001208**

PI Name: Michele Novaes Ravelli

Protocol Title: Biosafety Protocol - Isotope Ratio Core Lab

Motion: IBC approved with contingencies

Motion Made By: Dennis Halterman

Motion Seconded By: Matt Reynolds

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent

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

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 deviate from the standards set by the IBC for the proposed materials and activities. Revisions are required for approval.

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

Administrative:

NIH Guidelines:

Summary of IBC Review: This is a new protocol from the Isotope Ratio Core Lab, which analyzes samples from humans, animals, plants, groundwater, and foods. The stable isotopes they measure include carbon-13 (^{13}C), nitrogen-15 (^{15}N), deuterium (^2H), and oxygen-18 (^{18}O). The IBC reviewed a change in PI, new sample types, and a new submission form. The IBC discussed centrifugation containment, PPE, and spill procedures.

- **Bio Protocol Number: B00000049-AM017**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 017 for Genetic Engineering of Agricultural Species for the Advancement of Biomedical and Agricultural Research and Development

Motion: IBC approved with contingencies

Motion Made By: Steve Garvis

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent

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

Containment Equipment: Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); Chemical fume hood; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Chemical fume hood; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Other – surgical table in the practice operating room

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-a)(III-D-4-b); (III-E-1); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: This laboratory uses swine models to study mechanisms of human disease and limitations in animal agriculture. This amendment proposed a change in PI for the protocol with no changes in research materials or activities.

- **Bio Protocol Number: B00000182-AM035**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 035 for Immunity, pathogenesis, and evolution of RNA viruses

Motion: IBC approved with contingencies

Motion Made By: Marta Gaglia

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Matt Reynolds, abstain

Biosafety Level: ABSL2, Other – BL2 with BL3 practices. Fit-Tested N95 respirators mandatory); BSL2; BSL2; ABSL2; BSL2; BSL2; BSL2; BSL2; BSL2; BSL2; BSL2; BSL2; BSL1; BSL3; BSL3; BSL3; BSL3; BSL3; BSL3;

Containment Equipment: Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Other – Robots will do isolations of DNA/RNA from tissues. System is a self-contained Maxwell or KingFisher unit; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC); 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: 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-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-D-7); (III-E-1); (III-F-8); (III-F-8); (III-F-1);

Summary of IBC Review: The [REDACTED] lab studies RNA viruses and their ability to emerge, spread, and cause disease. For this amendment, the IBC discussed a proposed change in use of respiratory protection during inoculations of animals with flaviviruses outside of containment. The IBC also requested clarifications be added to the protocol for use of a benchtop analyzer.

Bio Protocol Number: B00000219-AM013

PI Name: Joshua Coon

Protocol Title: Amendment/Renewal 013 for Quantitative proteomics and metabolomics

Motion: IBC approved with contingencies

Motion Made By: Joel Malak

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent

Biosafety Level: BSL1; BSL1; BSL1; BSL1; BSL2; BSL1; BSL2; BSL1; BSL2; BSL1, BSL2, Other – This laboratory space will be designated BSL1. It will have temporary BSL2 status when raw urine is analyzed by mass spectrometry. See also ‘Other relevant info’.

Containment Equipment: Not applicable; Chemical fume hood; Not applicable; Not applicable; Biological safety cabinet (BSC); Chemical fume hood; Biological safety cabinet (BSC); Not applicable; 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 is not subject to the NIH Guidelines.

Administrative:

NIH Guidelines:

Summary of IBC Review: The Coon laboratory develops and implements new technologies for identifying, characterizing, and quantifying all the proteins and metabolites contained within a biological system, with a focus on mass spectrometry. This amendment added work with isolates of three RG2 fungal pathogens. The IBC discussed the antibiotic resistance profiles for the new strains.

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 tabled the protocol

Motion Made By:

Motion Seconded By:

Committee Action: Other

Nay Votes, Abstentions, Absentees:

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

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; Biological safety cabinet (BSC), Ventilated HEPA-filtered housing or rack system; Biological safety cabinet (BSC); Chemical fume hood; Not applicable; Chemical fume hood; Chemical fume hood; Not applicable; Biological safety cabinet (BSC); Other – Ventilated enclosure (i.e. bioBubble enclosure); Biological safety cabinet (BSC); Not applicable – SAIRF location for animal imaging

Committee Review: There was insufficient information for risk assessment. The protocol was tabled.

Facilities:

Required Institutional Training:

Lab-specific Training and Expertise:

PPE, Controls, and Practices:

NIH Guidelines Requirements:

Administrative:

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: The [REDACTED] laboratory studies protein binding using a variety of biological models including bacteria and human cell lines. This amendment proposed two new projects related to vaccine development and drug resistance. The IBC did not discuss the amendment due to lack of details needed for risk assessment.

- **Bio Protocol Number: B00000443-AM014**

PI Name: David Beebe

Protocol Title: Amendment/Renewal 014 for Micro scale cell-based assays

Motion: IBC approved with contingencies

Motion Made By: Steve Garvis

Motion Seconded By: Andrea Ladd

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent Lindsey Moser, absent Warren Rose, abstain

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

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

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

Summary of IBC Review: The Beebe laboratory studies cell phenotype and function using microfluidic platforms. This amendment adds a new project that involves co-culturing RG1 and RG2 bacterial and fungal pathogens and co-culture of these microbes with human cells. Microbes may be recombinantly modified. None of the recombinant modifications are expected to enhance pathogenicity. The IBC discussed antibiotic resistance information for the new strains.

- **Bio Protocol Number: B00000468-AM012**

PI Name: Charles Kaspar

Protocol Title: Amendment/Renewal 012 for Stress tolerance networks and transmission of enteric pathogens

Motion: IBC approved with contingencies

Motion Made By: Steve Garvis

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent Lindsey Moser, absent

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

Containment Equipment: 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 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 is not subject to the NIH Guidelines.

Administrative:

NIH Guidelines: (III-D-2-a); (III-D-1-a) (III-D-1-b);

Summary of IBC Review: The Kaspar laboratory studies the structural, molecular, and regulatory components that enable enteric pathogens to persist in the environment. In this renewal, projects with viruses and toxins were removed. The IBC discussed spill procedures.

- **Bio Protocol Number: B00000471-AM013**

PI Name: Lloyd Smith

Protocol Title: Amendment/Renewal 013 for Understanding Proteins and Protein-Nucleic Acid Interactions

Motion: IBC requested to review III-E protocol in full

Motion Made By: Andrea Ladd

Motion Seconded By: Matt Reynolds

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

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

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

Committee Review: IBC requested to review III-E protocol in full committee.

Facilities:

Required Institutional Training:

Lab-specific Training and Expertise:

PPE, Controls, and Practices:

NIH Guidelines Requirements:

Administrative:

NIH Guidelines: (III-D-2-a); (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 Smith laboratory studies protein modifications, protein-protein interactions, and protein-nucleic acid interactions. In this amendment, they added work with a non-exempt RG1 strain of E. coli used for protein expression and purification. The amendment will be reviewed in full at the next IBC meeting.

- **Bio Protocol Number: B00000494-AM007**

PI Name: Michael Thomas

Protocol Title: Amendment/Renewal 007 for Recombinant DNA Molecules

Motion: IBC approved with contingencies

Motion Made By: Barak Blum

Motion Seconded By: Sabine Pellett

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent Lindsey Moser, absent

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

Containment Equipment: Not applicable; Chemical fume hood; Not applicable; Chemical fume hood; Not applicable; Not applicable; 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 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 deviates from the requirements set forth in the NIH Guidelines. Revisions are required for approval.

Administrative:

NIH Guidelines: (III-D-2-a); (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: The Thomas laboratory studies the role of primary and secondary metabolites in biochemical pathways using RG1 and RG2 bacteria. Only RG1 bacteria are recombinantly modified, and modifications are not anticipated to increase the risk of these microbes. For this renewal, the IBC discussed spill procedures and lab-specific training for the RG2 bacteria.

Bio Protocol Number: B00000500-AM003

PI Name: Alessandro Senes

Protocol Title: Amendment/Renewal 003 for Structural study of transmembrane interactions in the bacterial divisome

Motion: IBC approved protocol

Motion Made By: Andrea Ladd

Motion Seconded By: Matt Reynolds

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

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

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

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

Summary of IBC Review: The Senes lab studies transmembrane proteins involved in assembly of the divisome using in computational modeling, X-ray crystallography, and in vitro approaches. No changes to the research were proposed in this renewal. The IBC had no biosafety concerns.

- **Bio Protocol Number: B00000684-AM004**

PI Name: Samuel Gellman

Protocol Title: Amendment/Renewal 004 for Protein Expression

Motion: IBC approved protocol

Motion Made By: Andrea Ladd

Motion Seconded By: Matt Reynolds

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

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

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

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

Summary of IBC Review: The Gellman laboratory studies the folding and applications of natural and synthetic peptide oligomers with a focus on applying synthetic peptides to disrupt protein-protein interactions. Protein targets are expressed and purified from RG1 E. coli. This amendment adds a new protein target, insect cell line, replication competent baculovirus viral vector, and human and mouse tissues. The IBC had no biosafety concerns.

- **Bio Protocol Number: B00000840-AM004**

PI Name: Terri Williams

Protocol Title: Amendment/Renewal 004 for WSLH Bioaerosols

Motion: IBC approved with contingencies

Motion Made By: Sabine Pellett

Motion Seconded By: Joel Malak

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees: Marta Gaglia, absent Lindsey Moser, absent

Biosafety Level: BSL2; BSL2; BSL1; BSL2

Containment Equipment: Other – HEPA filtered PCR workstation; Biological safety cabinet (BSC); Not applicable; 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 is not subject to the NIH Guidelines.

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

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

Summary of IBC Review: This protocol covers environmental mold and bacterial testing at the Wisconsin State Laboratory of Hygiene for indoor air quality investigations and occupational health. For this amendment, the IBC discussed containment practices for Legionella testing.

- **Bio Protocol Number: B00000882-AM009**

PI Name: Keith Poulsen

Protocol Title: Amendment/Renewal 009 for Wisconsin Veterinary Diagnostic Lab
Diagnostic Testing Services-Madison Lab

Motion: IBC approved with contingencies

Motion Made By: Andrea Ladd

Motion Seconded By: Joel Malak

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

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

Containment Equipment: Chemical fume hood; Other - Laminar flow workstations are chemical hazard abatement devices that move air away from the user across the workstation and externally vented. Commonly used when working with formalin fixed samples.; Other - Laminar flow workstations are chemical hazard abatement devices that move air away from the user across the workstation and externally vented. Commonly used when working with formalin fixed samples.; Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Biological safety cabinet (BSC), Other – Automated liquid handler with HEPA-filtered enclosed unit; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Other - Enclosure with a secure lid for dermestid colony; Containment not applicable for the digester; Other - Downdraft ventilated workstations are used for animal necropsies.; Biological safety cabinet (BSC); Other - Downdraft ventilated workstations are used for animal necropsies.; Not applicable; Not applicable; Chemical fume hood, Other - Chemical powder hood; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable – microscope room; Chemical fume hood; Biological safety cabinet (BSC); Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Biological safety cabinet (BSC);

Biological safety cabinet (BSC), Chemical fume hood; Biological safety cabinet (BSC), Chemical fume hood; Biological safety cabinet (BSC); Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Not applicable; Not applicable - PCR room; Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC); Other – Oxygen alarm for liquid nitrogen freezer; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Biological safety cabinet (BSC), Chemical fume hood; Not applicable; Biological safety cabinet (BSC); Chemical fume hood; Chemical fume hood; Chemical fume hood; 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 is not subject to 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); (III-F-1);

Summary of IBC Review: The Wisconsin Veterinary Diagnostic Laboratory (WVDL) provides fee for service diagnostic testing of animal and environmental specimens to identify disease causing agents. A variety of conventional and molecular diagnostic techniques are employed for testing of bacterial, parasitic, fungal, viral, and prion diseases. The protocol was amended to add a new automated liquid handler and dermestid beetle colony, as well as updates related to SARS-CoV-2 diagnostic activities. The IBC discussed proposed changes to PPE for spills involving prion contaminated materials and results of the BSC Program testing of the HEPA-filtered enclosure for the automated liquid handler.

- **Bio Protocol Number: B00001043-AM003**

PI Name: Wendy Turner

Protocol Title: Amendment/Renewal 003 for Distribution of chronic wasting disease prion proteins in natural ecosystems

Motion: IBC approved with contingencies

Motion Made By: Matt Reynolds

Motion Seconded By: Dennis Halterman

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: BSL2;

Containment Equipment: 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 is not subject to 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);

Summary of IBC Review: In this amendment, the Turner laboratory is changing the focus of their research from the study of prions to the study of anticoagulant rodenticides and various parasite infections in Wisconsin wildlife. Proposed studies include collection of tissues and carcasses from roadkilled mesocarnivores. The IBC discussed PPE worn during collection of roadkill specimens and decontamination procedures for the lab post-prion work.

- **Bio Protocol Number: B00001133-AM001**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 001 for Experience-dependent regulation of visual function

Motion: IBC approved with contingencies (protocol must go back to IBC reviewers)

Motion Made By: Marta Gaglia

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by voice vote

Nay Votes, Abstentions, Absentees:

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

Containment Equipment: Ventilated HEPA-filtered housing or rack system; Not applicable; Not applicable; Chemical fume hood; Biological safety cabinet (BSC); Not applicable; 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 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 deviates from the requirements set forth in the NIH Guidelines. Revisions are required for approval.

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-3); (III-F-8);

Summary of IBC Review: The [REDACTED] laboratory studies the anatomical, physiological, and psychophysical responses that mediate the loss of vision in amblyopia (lazy eye) induced by chronic monocular deprivation and the recovery of vision in adulthood following dark exposure and light reintroduction. This amendment proposes a new project in which pseudotyped rabies virus will be administered to transgenic mice to express genes that are not toxins or oncogenes. The pseudotyped rabies virus cannot enter human cells. The IBC discussed PPE, practices, and controls for work with viral vectors in mice.

University of Wisconsin-Madison Institutional Biosafety Committee

Minutes of Regular Meeting Closed Session

Date: 6/4/2025

Present: Matt Reynolds, Dennis Halterman, Yevgenya Grinblat, Andrea Ladd, Warren Rose, Ryan Stoffel, Marta Gaglia, Lindsey Moser, Joel Malak, Barak Blum, Sabine Pellett, Steve Garvis

Consultants: Tony McGrath, Lissa Koop, Heather Mc Fadden, Carrie Ensrud, John Cejka, Quin Koehl

OBS: Tony McGrath, David Dyer, Karen Demick, Andrea Ladd, Louise Meske, Stephanie Kutz, Tara Schnell, Megan Dixon, Carrie Ensrud, Kathy Krasny, Quin Koehl

Guests: Dr. David Foley, Foley lab Dr. Michael Lucey, Foley lab Dr. Vishal Chanana, Foley lab

Call to order: The meeting was called to order by Warren Rose, at Zoom at 1:32 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 (5/21/2025)

Lindsey Moser, abstained

Other business - closed session

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

Review of research protocols - closed session

❓ B00001189

Review of research amendments - closed session

❓ B00000103-AM019

Announcements

null

The meeting adjourned 3:32 PM

- **Bio Protocol Number: B00001189**

PI Name: David Foley

Protocol Title: [REDACTED]

Motion: IBC approved with contingencies

Motion Made By: Joel Malak

Motion Seconded By: Yevgenya Grinblat

Committee Action: Adopted unanimously by hand vote

Nay Votes, Abstentions, Absentees:

Biosafety Level: Other – Clinical Room; BSL2; Other – Clinical Room; BSL2; Other – Clinical Room; Other – Clinical space; Other – Clinical space; BSL2;

Containment Equipment: Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC), Chemical fume hood; 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 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: 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 new protocol is for a new human clinical trial using a proprietary device to filter participant's blood. The IBC discussed how participant samples should be listed in the protocol. The IBC had no biosafety concerns.

- **Bio Protocol Number: B00000103-AM019**

PI Name: [REDACTED]

Protocol Title: Amendment/Renewal 019 for WNPRC/SPI Project Support for Non-UW Investigators

Motion: IBC approved with contingencies

Motion Made By: Marta Gaglia

Motion Seconded By: Warren Rose

Committee Action: Adopted unanimously by hand vote

Nay Votes, Abstentions, Absentees:

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

Containment Equipment: Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Not applicable; Biological safety cabinet (BSC); Biological safety cabinet (BSC); Not applicable; Biological safety cabinet (BSC), Chemical fume hood; 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-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 a core protocol for the Scientific Protocol Implementation unit at the Wisconsin National Primate Research Center, which supports research by organizing, managing, and performing the nonhuman primate portion of studies. In this amendment, new studies were added for virus vaccine

trials and a pilot for a new vaccine delivery method. The IBC discussed administrative changes needed for clarification and had no biosafety concerns.