

University of Denver (DU) IBC

MEETING MINUTES

June 5, 2025

Virtual

The meeting was called to order on June 5, 2025 at 11:05 AM and a quorum was present.

ATTENDANCE

Voting Members Present:

Brian Danielson	Non-Affiliated, Non-Scientific
Matt Gordon	Chair
Saneliswa Magagula	Biological Safety Officer
Martin Margittai	Scientific
Yan Qin	Scientific
Tyler Ridgeway	Scientific
Chris Short	Scientific
Claude Tate	Non-Affiliated, Non-Scientific
Schuyler van Engelenburg	Scientific

Non-Voting Attendees, Staff and Guests Present:

Charles Steadman	Alternate Member, Scientific
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Recording:

Charles Steadman	Staff
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ITEMS

1 Member Attendance and COI Declaration

Review Type:	Full Committee Review
Action:	Acknowledged
Effective Date:	June 5, 2025

Discussion and Remarks:

- Schuyler van Engelenburg recused himself while his protocol was reviewed by the committee.

2 Review of Previous Minutes

Review Type:	Full Committee Review
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Action: Approved
Effective Date: June 5, 2025
Vote: Total = 10; For = 10; Opposed = 0; Abstained = 0;

3 General Business

Review Type: Full Committee Review
Action: Acknowledged
Effective Date: June 5, 2025

3.1 New regulations concerning public posting of IBC meeting minutes

Review Type: Full Committee Review
Action: Acknowledged
Effective Date: June 5, 2025

4 New Projects For Committee Review

4.1 [2307706-1] Development of virus-Like particle systems for the study of respiratory virus assembly

PI: Schuyler van Engelenburg, Ph.D.
Sponsor: University of Denver
Submission Type: New Project

Review Type: Full Committee Review
Action: Modifications Required
Effective Date: June 5, 2025
Vote: Total = 9; For = 9; Opposed = 0; Abstained = 0;

Discussion and Remarks:

- **Section 4.1.:** Please clarify the specific reference genome number used for SARS-CoV-2. It is unclear whether the sequences utilized to generate the VLPs represent more or less than 2/3 of the entire genome. Please specify which genes or genomic regions were included and which regions were excluded.
 - If a lentiviral vector is being used in the study, please clarify whether lentivirus particles will be generated as part of the experimental process. If so, it is essential to complete and submit the Lentivirus Risk Assessment Form to ensure compliance with biosafety regulations.

5 Amendments for Committee Review

5.1 [2050531-5] Understanding Metallophores and Metal Homeostasis in Host-Microbiome Systems

PI: Allegra Aron, Ph.D.
Submission Type: Amendment/Modification

Review Type: Full Committee Review
Action: Modifications Required
Effective Date: June 5, 2025
Project Status: Active
Project Expiration: May 23, 2028
Vote: Total = 10; For = 10; Opposed = 0; Abstained = 0;

Discussion and Remarks:

- **Section 3.2.1.:** Please explain if the genetic modifications described pertain to only those organisms specified in the previous protocol (e.g. this amendment does not add new or unlisted BSL1/BSL2 species to the work)?
 - **Section 3.2.1. Final sentence:** "...because genetic modifications are made in genes that are not associated with virulence, these modifications do not present a significant risk to health or the environment." The title of the origin protocol includes siderophores, but does the amendment propose to genetically modify siderophore genes, which are themselves considered virulence factors? Please explain. It is certainly appreciated that loss of siderophores through genetic knock-out would certainly attenuate bacteria with pathogenic potential and this should be of less concern for safety, however, the two things should be codified in the amendment.
 - **Section 3.2.1.:** Will gene knock-out be the only tool used in the protocol? Gene knock-in can be performed using the same tools and this should be stated if intended. Please clarify.
 - **Section 3.2.1.:** While it is appreciated that the research could change focus on genes and gene families, the amendment should codify what genes will be modified. If too numerous to list specific genes, give the IBC an idea and state what gene families will be targeted.

6 Approved Amendments

6.1 [1732331-13] Physiological and Genetic Mechanisms of Adaptation to High-Altitude

PI: Jonathan Velotta, PhD
Submission Type: Amendment/Modification

Review Type: Administrative Review
Action: Approved
Effective Date: April 16, 2025
Project Status: Active
Project Expiration: July 20, 2026

6.2 [2140587-4] lysosome regulation

PI: Xi Yang
Submission Type: Amendment/Modification

Review Type: Administrative Review
Action: Approved
Effective Date: April 14, 2025
Project Status: Active
Project Expiration: April 17, 2029

Discussion and Remarks:

4/11/25 - Modifications required to secure approval

- **Document:** Please replace the **IBC Application form** with the **IBC Amendment Form** found here: <https://www.du.edu/orsp/research-compliance/rdna-biosafety/forms>
- **Document Type:** Please list the document type as "**Amendment Modification**".

6.3 **[2050531-4] Understanding Metallophores and Metal Homeostasis in Host-Microbiome Systems**

PI: Allegra Aron, Ph.D.
Submission Type: Amendment/Modification

Review Type: Full Committee Review
Action: Approved
Effective Date: April 25, 2025
Project Status: Active
Project Expiration: May 23, 2028

7 **Completed PAMs**

7.1 **[2140587-3] lysosome regulation**

PI: Xi Yang
Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review
Action: Acknowledged
Effective Date: April 2, 2025
Project Status: Active
Project Expiration: April 17, 2029

7.2 **[1883643-4] Biological Sciences Undergraduate Teaching Laboratories**

PI: Paige Ostwald, Ph.D.
Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review
Action: Acknowledged
Effective Date: April 15, 2025
Project Status: Active
Project Expiration: April 13, 2027

7.3 [2135321-12] IBC protocol

PI: Mira Pronobis
Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review
Action: Acknowledged
Effective Date: May 1, 2025
Project Status: Active
Project Expiration: May 8, 2029

7.4 [1583430-8] Genetic and molecular analysis of membrane trafficking in C. elegans

PI: Ann Wehman, PhD
Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review
Action: Closed
Effective Date: May 10, 2025
Project Status: Closed - Expired
Project Expiration: May 10, 2025

Discussion and Remarks:

Project administratively closed as of the expiration date. The PI is no longer at the University of Denver.

7.5 [2195300-2] Cancer Biosensor Development - IBC

PI: Dali Sun, PhD
Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review
Action: Acknowledged
Effective Date: May 27, 2025
Project Status: Active
Project Expiration: May 28, 2029

8 Closures

8.1 [1586875-8] Development of Virus-Like Particle Vaccine Methodology for SARS-CoV-2

PI: Schuyler van Engelenburg, Ph.D.
Sponsor: University of Denver
Submission Type: Closure/Final Report

Review Type: Administrative Review
Action: Closed
Effective Date: April 1, 2025
Project Status: Active
Project Expiration: April 1, 2025

9 **Adjourn**

Review Type: Full Committee Review
Action: Acknowledged
Effective Date: June 5, 2025

The meeting adjourned on June 5, 2025 at 11:40 AM.