

# Institutional Biosafety Committee Meeting

02/18/2026

10:30am-12:00pm

Zoom Virtual Meeting

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## Institutional Biosafety Committee Meeting minutes

### Meeting Attendance:

- Members in attendance:
  - Elena Demireva
  - Jonathan Hardy
  - Sarah Roosa
  - Jan Patterson Samson
  - Carrie Anglewicz
  - Andras Komaromy
  - Jamie Willard-Smith
  - Dave Morgan
  
- Members not in attendance:
  - Carolina de Aguiar Ferreira
  - Raj Kulkarni
  - Michael Bachmann
  - Guo-Qing Song
  - Simon Petersen-Jones
  
- Others in attendance:
  - Chris Colvin
  - Alessandra Hunt

### Call to order:

Elena Demireva

### Roll call:

Chris Colvin

### Discussion of the agenda:

- Approved

### Discussion of minutes:

- Approved

# Institutional Biosafety Committee Meeting

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## Registration review:

### Study Info

**Safety0001211:** [REDACTED]

**Structural biology of metal transporters**

**Training: Complete for all members listed**

**NIH III E-1, RG-1, BSL-2**

This registration has been approved with edits. The PI has been asked to clarify the following:

- Biosafety Summary
  - 2: Include the purpose and intended use of the human cell lines listed.
- Cells
  - 1: Update all human cell lines to BSL-2.
  - 5e. Add Flow addendum
- rDNA Usage
  - 3b: Include bioactivity and source for GFP.
- rDNA Work Description
  - 2: If the HepG2 cells are used as a recipient include here.
- Exposure Assessment
  - 1: Remove 2<sup>nd</sup> sentence (“The human cell lines are not derived from cancer.”) if using HepG2 cells.
- Supporting Documents
  - Update safer sharps evaluation forms.

### Study Info

**Safety0001246:** [REDACTED]

**pH signaling**

**Training: Complete for all members listed**

**NIH III-E-1, RG-2, BSL-2**

This registration has been approved with edits. The PI has been asked to clarify the following:

- Biosafety Summary
  - 1: Add the Genetically Modified Animals and Invertebrates (including creating, testing, or using) section. Include information for transgenic zebra fish in this new section.
  - 2: Remove the Excluded Activities section and last past paragraph (you are using human cell lines and Lentiviral vectors).
- Cells
  - 1: Include cells from questions 2 and 3 into the table when available in the menu.
- rDNA Usage

# Institutional Biosafety Committee Meeting

02/18/2026

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---

- 2: Change to NIH III-D category, include a subcategory that is appropriate for the research.
- 4b: Be specific with the vectors and plasmids that will be used, you can attach a supplemental document listing them if easier.
- 5a: Add that they are E. coli, and separate the HEK cells.
- 8: 3: remove “but not zero” from point #3.
- rDNA work description
  - 1: Add reference or link if purchasing materials.
  - 2: Add zebrafish.
  - 4: Yes, if you are pseudotyping vectors.
  - 5: Include generation and host range.
- Exposure Assessment
  - 1: Link risk statements to specific materials and agents used in the projects.
  - 1: Remove any statements pertaining to materials not used e.g. plant and soil impacts.
- Supporting Documents
  - Add safer sharps evaluation form for the Surgistar knife.

## Study Info

**Safety0001431:** [REDACTED]  
**Molecular mechanisms in endometriosis**  
**Training: Complete for all members listed**  
**NIH III D, RG-2, BSL-2**

This registration has been approved with edits. The PI has been asked to clarify the following:

- Virus
  - 1: Update: Fix typo in activities, “forth” to fourth.
- rDNA Usage
  - 5: Add E. coli strain.
- rDNA Work Description
  - 5: Add host range.
- Risk Assessment
  - 2: BSL-2+ if using or working with viral vectors carrying oncogenic inserts.
- Supporting Documents
  - Add sharps documents if using sharps with and human or infectious materials.

## Study Info

**Safety0001432:** [REDACTED]  
**Enhancing Robustness of Synthetic Microbial Communities - Update 2026**  
**Training: Complete for all members listed**

# Institutional Biosafety Committee Meeting

02/18/2026

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---

## NIH III E, RG-1, BSL-1

- This registration has been approved with edits. The PI has been asked to clarify the following:
- rDNA Usage
  - 5a: Change to Yes and include E. coli host and strain.

## Study Info

### **Safety0001433:** [REDACTED]

**Understanding Photosynthesis through Engineered Cyanobacteria - Update 2026**

**Training: Complete for all members listed**

**NIH III E, RG-1, BSL-1**

This registration has been approved as is.

## Study Info

### **Safety0001437:** [REDACTED]

**Labeling and controlling neuronal activity 2025**

**Training: Complete for all members listed**

**NIH III-D-4-a, RG-1, BSL-2**

This registration has been approved with edits. The PI has been asked to clarify the following:

- Team Members
  - Update team members. Are all of these members still working on this project. Only list those that have stayed on.
- Biosafety Summary
  - 2: Address if lentiviral work and work with rats is still ongoing, only include the present project. Do you have IACUC approval for working with the rats? If not longer using rats or lentivirus remove mention of these system from text
  - 2: Typo “lentivira”.
- Virus
  - Include Lentivirus if using.
- rDNA Usage
  - 4b: Add Lentivirus and packaging plasmids if you are producing it.
  - 8: Answer for points 1, 2, and 3 in the question.
- rDNA Work Description
  - 2: Add pig.
  - 4: Change to Yes if you are pseudotyping.
  - 5: Include Lentivirus.
  - 6: Include Lentivirus.
- Risk Assessment
  - 1: RG-2 if using Lentivirus

# Institutional Biosafety Committee Meeting

02/18/2026

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---

- 2: Change to BSL-2+ if using 2<sup>nd</sup> generation Lentivirus.
- Exposure Assessment
  - 1: Include the risks and consequences of exposure when working with Lentivirus.
- Biosafety Additional Information
  - 5: Add IACUC protocol covering work with rats.
- Supporting Documents
  - Update sharps annual review and include safer sharps evaluation for the safer scalpel.
  - Include Task Procedure for work with human cell lines and lentivirus.

## Study Info

**Safety0001447:** [REDACTED]

**amino acids control in seeds**

**Training: Complete for all members listed**

**NIH III-E-2, RG-1, BSL-1**

This registration has been approved with edits. The PI has been asked to clarify the following:

- Basic Information
  - 3: “other crops”, list specifically which crops or remove statement.
- Bacteria
  - 1: Downgrade to BSL-1
- rDNA Usage
  - 3a: “other plants”, list specifically which crops or remove statement.
  - 3b: Fix typo “is is”.

## Study Info

**Safety0001450:** [REDACTED]

**Fusarium virguliforme**

**Training: Complete for all members listed**

**NIH III E-2-a, RG-1, BSL-2**

This registration has been approved with edits. The PI has been asked to clarify the following:

- Supporting Documents
  - Need a task procedure/SOP for handling of the fungal culture, need to include use, handling, containment and decontamination (10% bleach for 10min) of the material. This will aid in keeping it a BSL-1 category.

# Institutional Biosafety Committee Meeting

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New Items:

Previous Submissions:

- Safety0001408 [REDACTED]

Next Meeting:

March 10, 2026 1:30 pm via zoom