

# Agenda of Regular IBC Meeting

**Date:** April 13<sup>th</sup>, 2026

**Location:** Remote via Zoom

**Call to Order:** 2:31

**Members Present:** H. Blair (BSO), T. George (Community Member), K. Heath (Animal SME), A. Hilske (Plant SME), D. Loy (Chair), A. Mitra (Plant SME), W. Niu (Member), N. Sexton (Member), D. Zinniel (Lab Rep)

**Members Absent:** K. O’Neill (Community Member), S. Tatineni (Member), M. Wiebe (Member)

**Quorum Met:** Yes

**Ex-Officio Advisors:** D. Hamernik, B. Osthus, R. Wenzl

**Others:** R. Cederberg, K. Evans, L. Gregurek, A. Jungck, E. Schulz, J. Wang, E. Weaver

**Review of Minutes from 3/9/2026 Meeting:**

Motion to approve minutes made by D. Zinniel, 2nd by A. Mitra

Minutes approved unanimously as written.

For: 9

Against: 0

Abstained: 0

**Declaration of Conflicts of Interest: None.**

## I. PUBLIC SESSION

### A. Old Business:

**1. Tabled Protocol registrations: None**

**2. Protocols with Contingencies Met:**

<b>NuRamp ID:</b>	1380
<b>Form ID:</b>	26362
<b>TITLE:</b>	Production and storage of African Swine Fever Virus (ASFV) vaccine master seed.
<b>PI:</b>	<b>Scott McVey</b>
<b>DEPT:</b>	School of Veterinary Medicine and Biomedical Sciences
<b>Project Biosafety Level:</b>	BSL-3
<b>NIH Guidelines reference:</b>	III-E, III-D-3-e
<b>Date of IBC Review:</b>	<b>3/9/2026</b>
<b>IBC MOTION:</b>	Approved contingent all required training is completed.
<b>IBC ACTION:</b>	<b><i>Adopted by voice vote</i></b>
<b>PROTOCOL NOTES:</b>	
<b>Date of PI Response:</b>	<b>3/27/2026</b>
<b>PI Response:</b>	Training has been completed.
<b>Additional Comments:</b>	None.

**B. New Business:****1. New Protocol Registrations: None****2. Protocol Amendments:**

<b>NuRamp ID:</b>	1416
<b>Form ID:</b>	26398
<b>TITLE:</b>	Management veterinary pest insects by RNAi/miRNA
<b>PI:</b>	John Wang
<b>DEPT:</b>	Department of Entomology
<b>Protocol Biosafety Level:</b>	BSL-2, ACL-1
<b>NIH Guidelines reference:</b>	III-F-1, III-F-3, III-F-8, C-II, C-III, III-E, III-D-4-a
<b>IBC MOTION:</b>	Approve with the following contingencies:
Contingencies/Issues:	<ul style="list-style-type: none"> <li>• Required training is completed</li> </ul>
<b>Made by:</b>	N. Sexton
<b>Seconded by:</b>	A. Mitra
For:	9
Against:	0
Abstained:	0

**PROTOCOL NOTES:**

<b>Review of Protocol:</b>	The PI provided an overview of the protocol and opened discussion to the committee.
<b>Summary of Project(s):</b>	Developing novel and green control strategies for livestock pest management offers target-specific interventions that are less toxic and minimize residual environmental effects. Using stable fly olfactory receptor proteins as biosensors to locate the larval development site. In addition to improving livestock product safety and animal well-being, natural products-based control methods have potential to provide similar benefits for protecting companion animals and human health.
<b>Changes to the Protocol:</b>	Section II, added Project 9: CRISPR to delete genes in stable fly: Fly eggs will be used for CRISPR. Delivery of components (crRNA and tracrRNA ) will be performed with BioRad electroporation system Section VI: ORCO and TRP1 gRNA entry added Section VIII and X: information regarding stable fly rearing has been updated for the new project. Section IX: Biorad electroporation equipment added.
<b>Risk Assessment Considerations:</b>	
Genetic Material:	Transient receptor potential A1, ORCO & TRP1 gRNA
Vector system:	N/A
Microbiological agents:	N/A
Organisms:	N/A

OTCC:	N/A		
Toxins:	N/A		
<b>IRB protocol(s):</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<b>SROC protocol:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>IACUC Protocol(s):</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Facility/Safety Summary:</b>			
Safety Concerns:	None.		
Facility Concerns:	None.		
Vaccines/Medical Surveillance:	N/A		
<b>Administrative issues:</b>			
Current safety training for staff:	2 lab members need to complete Biosafety 101.		
Current equipment certification:	Yes.		
Date/Result of last EHS Survey:	Annual	<b>Findings:</b>	
	3/20/2026	No findings.	
<b>IBC Discussion:</b>	The Committee discussed containment considerations, noting that the primary concern is adult flies due to their ability to fly and bite. The BSO's concerns about containment were addressed and documented prior to the meeting.		

<b>NuRamp ID:</b>	60
<b>Form ID:</b>	26415
<b>TITLE:</b>	Enhancing phenotypic attributes of commodity crops through biotechnology
<b>PI:</b>	Nathaniel Butler
<b>DEPT:</b>	Department of Agronomy and Horticulture
<b>Protocol Biosafety Level:</b>	BSL-1, BSL-1-P
<b>NIH Guidelines reference:</b>	III-F-2, III-F-5, III-F-7, III-F-8, C-II, III-E, III-E-1, III-E-2, III-E-2-a, III-D-2-a, III-D-3-e
<b>IBC MOTION:</b>	Approve as written.
Contingencies/Issues:	• None
<b>Made by:</b>	A. Mitra
<b>Seconded by:</b>	D. Zinniel
For:	8
Against:	0
Abstained:	1

**PROTOCOL NOTES:**

<b>Review of Protocol:</b>	The IBC Chair provided an overview of the protocol and opened discussion to the committee.
<b>Summary of Project(s):</b>	Commodity crops, such as soybean, wheat maize, sorghum, etc., are being evaluated following transformation of drought tolerant, lipid metabolism, or disease resistant genes. Transformation of genes from various plant species are accomplished using <i>Agrobacterium tumefaciens</i> or <i>Agrobacterium rhizogenes</i> . All genes are from RG-1 sources

	and can be contained in BSL-1 laboratory facilities. The transgenic events are currently being characterized under greenhouse conditions in the Beadle Center Greenhouse facility, also characterized as BSL-1P.	
<b>Changes to the Protocol:</b>	Addition of plasmids to Vector List in accordance to Addgene order (Golden Gate TALEN and TAL effector kit 2.0) Section II - description of the project Section VI - updated plasmid list	
<b>Risk Assessment Considerations:</b>		
Genetic Material:	TALENs (transcription activator-like effector nucleases), Golden Gate TALEN and TAL Effector Kit 2.0	
Vector system:	N/A	
Microbiological agents:	N/A	
Organisms:	N/A	
OTCC:	N/A	
Toxins:	N/A	
<b>IRB protocol(s):</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>IACUC Protocol(s):</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>SROC protocol:</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>Facility/Safety Summary:</b>		
Safety Concerns:	None.	
Facility Concerns:	None.	
Vaccines/Medical Surveillance:	N/A	
<b>Administrative issues:</b>		
Current safety training for staff:	Yes.	
Current equipment certification:	Yes.	
Date/Result of last EHS Survey:	Pre-Approval 11/12/2025	<b>Findings:</b> All findings resolved.
<b>IBC Discussion:</b>	The Committee found no issues with the proposed changes to the protocol, as the work described is a commonly used method in plant research.	

<b>NuRamp ID:</b>	1078
<b>Form ID:</b>	26331
<b>TITLE:</b>	Improving the Microbiological Safety of Foods and the Food Processing Environment
<b>PI:</b>	Bing Wang
<b>DEPT:</b>	Department of Food Science and Technology
<b>Protocol Biosafety Level:</b>	BSL-2
<b>NIH Guidelines reference:</b>	N/A
<b>IBC MOTION:</b>	Approve as written.
Contingencies/Issues:	• None
<b>Made by:</b>	K. Heath
<b>Seconded by:</b>	H. Blair

For: 8  
 Against: 0  
 Abstained: 1

**PROTOCOL NOTES:**

**Review of Protocol:** The IBC Chair provided an overview of the protocol and opened discussion to the committee.

**Summary of Project(s):** Conduct microbiological challenge studies to study how microbes can be eliminated from food matrices and food contact surfaces, as well as how those microbes behave in foods - how fast they grow, for example. We inoculate meat and poultry products, and sometimes simulated food contact surfaces, with various pathogens; then apply antimicrobial treatments or other simulated processing conditions, like temperature abuse simulations, to determine how microbes respond.

**Changes to the Protocol:** PI change - Dr. Chaves has taken a position at Rutgers University, Dr. Wang will be overseeing the protocol while current graduate students complete their research.

**Risk Assessment Considerations:**

Genetic Material: N/A  
 Vector system: N/A  
 Microbiological agents: N/A  
 Organisms: N/A  
 OTCC: N/A  
 Toxins: N/A

**IRB protocol(s):** Yes No **SROC protocol:** Yes No

**IACUC Protocol(s):** Yes No

**Facility/Safety Summary:**

Safety Concerns: None  
 Facility Concerns: None  
 Vaccines/Medical Surveillance: N/A

**Administrative issues:**

Current safety training for staff: Yes.  
 Current equipment certification: Yes.

Date/Result of last EHS Survey:

Annual

3/18/2026

**Findings:**

All findings resolved.

**IBC Discussion:** The Committee had no issues with the proposed changes to the protocol.

**NuRamp ID:**

1341

**Form ID:**

26419

**TITLE:**

Strategies for Biological Agent Treatment Using Natural and Novel Materials

<b>PI:</b>	Eric Carnes
<b>DEPT:</b>	Department of Biological Systems Engineering
<b>Protocol Biosafety Level:</b>	BSL-2
<b>NIH Guidelines reference:</b>	III-E, III-D-1-a, III-D-3-a
<b>IBC MOTION:</b>	Table pending addressing the following:
Contingencies/Issues:	<ul style="list-style-type: none"> <li>More information in the research description about what the new viruses will be used for.</li> </ul>
<b>Made by:</b>	D. Loy
<b>Seconded by:</b>	K. Heath
For:	8
Against:	0
Abstained:	1

**PROTOCOL NOTES:**

<b>Review of Protocol:</b>	The IBC Chair provided an overview of the protocol and opened discussion to the committee.
<b>Summary of Project(s):</b>	Laboratory pursues several avenues to identify new strategies for biological agent treatment using natural and novel materials. Work will include the use of control RG1 and RG2 organisms, isolation of bacteriophage from environmental samples and screening of phage and novel material effectiveness as inhibiting control bacterial growth. Preliminary work for evaluating personal protective biosystems that can occur at BSL2 are included in this protocol.
<b>Changes to the Protocol:</b>	Section I: updated pathogenic organism inventory to include viruses and cell lines; added Kevin Crown as collaborator and updated Lab Personnel. Section II: updated task 3 to be overarching RG1 and RG2 organisms instead of just bacteria. Section III: added Modified Vaccinia Ankara and VEE TC-83 viruses Section IV: added BHK-21 [C13] cell line Sections V-XI: no updates
<b>Risk Assessment Considerations:</b>	
Genetic Material:	N/A
Vector system:	N/A
Microbiological agents:	Vaccinia virus, Venezuelan Equine Encephalitis Virus (attenuated)
Organisms:	N/A
OTCC:	BHK-21 [C-13]
Toxins:	N/A
<b>IRB protocol(s):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>IACUC Protocol(s):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>SROC protocol:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Facility/Safety Summary:</b>	
Safety Concerns:	None
Facility Concerns:	None
Vaccines/Medical Surveillance:	N/A

<b>Administrative issues:</b>		
Current safety training for staff:	Yes.	
Current equipment certification:	Yes.	
Date/Result of last EHS Survey:	Annual	<b>Findings:</b>
	2/17/2026	All findings resolved.
<b>IBC Discussion:</b>	The Committee had questions regarding the specific work that will be done with the added viruses to the protocol and wanted more information on the proposed work.	

<b>NuRamp ID:</b>	619
<b>Form ID:</b>	26307
<b>TITLE:</b>	Infectious Diseases Vaccine Development
<b>PI:</b>	Eric Weaver
<b>DEPT:</b>	Nebraska Center for Virology
<b>Protocol Biosafety Level:</b>	BSL-2, ABSL-2 (Animal), BSL-2-P (Plant)
<b>NIH Guidelines reference:</b>	III-F-1, III-F-2, III-F-3, III-F-4, III-F-8, C-I, C-II, C-VII, C-VIII, III-E, III-E-1, III-D-1-a, III-D-2-a, III-D-3-a, III-D-4-a, III-D-4-b, III-D-7, III-D-7-a, III-D-7-b
<b>IBC MOTION:</b>	Approve with the following contingencies:
Contingencies/Issues:	<ul style="list-style-type: none"> <li>Clarification on inactivation of viruses and if viruses are being used as vector or as a wildtype to infect.</li> </ul>
<b>Made by:</b>	D. Loy
<b>Seconded by:</b>	N. Sexton
<b>IBC ACTION:</b>	
	For: <b>8</b>
	Against: <b>0</b>
	Abstained: <b>1</b>

**PROTOCOL NOTES:**

<b>Review of Protocol:</b>	The PI provided an overview of the protocol and opened discussion to the committee.
<b>Summary of Project(s):</b>	Investigating novel antigens, novel viral vectors and modified vector delivery systems for improved prophylactic and therapeutic efficacy as alternative influenza vaccines.
<b>Changes to the Protocol:</b>	<p>This amendment is to add two genetically diverse viruses as models for vaccine development, HIV and SARS-CoV-2. This is important as we are broadening our universal vaccine concepts to other impactful viruses. 1/28/26 This amendment is also to add two additional animal models: Guinea pig and rabbit models per PI.</p> <p>This amendment is also to add passive and adoptive transfer experiments and Immune Cell Depletion Studies in mouse model and to add to XI copies of recent approved IACUC protocols and a summary spreadsheet of animal studies and the vaccine and virus challenges.</p>
<b>Risk Assessment Considerations:</b>	

Genetic Material:	N/A	
Vector system:	N/A	
Microbiological agents:	HIV and SARS-CoV-2	
Organisms:	Guinea pig, rabbit	
OTCC:	Sera and PBMC from immunized mice	
Toxins:	N/A	
<b>IRB protocol(s):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>SROC protocol:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>IACUC Protocol(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Facility/Safety Summary:</b>		
Safety Concerns:	None	
Facility Concerns:	None	
Vaccines/Medical Surveillance:	SARS-CoV-2 vaccine	
<b>Administrative issues:</b>		
Current safety training for staff:	Yes.	
Current equipment certification:	Yes.	
Date/Result of last EHS Survey:	Annual 2/17/2026	<b>Findings:</b> All findings resolved.
<b>IBC Discussion:</b>	Committee wanted clarification from PI on specific distinction between use of wild type/recombinant type in animal models. The committee felt that this information was unclear in the research and technical description of the protocol.	

### 3. Notice of NIH Exempt Protocol Approvals: None

### 4. Notice of Administratively Approved Amendments:

<b>NuRamp ID:</b>	1463	
<b>Form ID:</b>	26416	
<b>TITLE:</b>	<b>Understanding cell structure assembly and intercellular communication</b>	
<b>PI:</b>	<b>Qing Tang</b>	
<b>DEPT:</b>	Biochemistry	
<b>Project Biosafety Level:</b>	BSL-2	
<b>NIH Guidelines reference:</b>	III-F-8, C-I, C-II, III-E, III-D-3-a	
<b>PROTOCOL NOTES:</b>		
<b>IRB protocol:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>SROC protocol:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>IACUC Protocol:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Objective of Study:</b>	The goal of this project is to understand how actin branches, formed by the Arp2/3 complex, are organized and regulated in live mammalian cells to accomplish diverse cellular functions.	

<b>Changes to the Protocol:</b>	Updated plasmid, gene, and cell line inventory. The second goal is to investigate how membrane-bound cell-to-cell conduits, known as tunneling nanotubes form and function.
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<b>Review comments:</b>	None.
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<b>NuRamp ID:</b>	950
<b>Form ID:</b>	26431
<b>TITLE:</b>	<b>Metabolomics Core Facility</b>
<b>PI:</b>	<b>Sophie Alvarez Y Albala</b>
<b>DEPT:</b>	Center for Biotechnology
<b>Project Biosafety Level:</b>	BSL-2
<b>NIH Guidelines reference:</b>	III-F-8, C-I, C-VII

**PROTOCOL NOTES:**

<b>IRB protocol:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>SROC protocol:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>IACUC Protocol:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

<b>Objective of Study:</b>	Feces are extracted for various metabolites (amino acids, organic acids, sugar phosphates, nucleotides, hormones, fatty acids, lipids) to quantify their levels using liquid chromatography and UV detector or mass spectrometry.
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<b>Changes to the Protocol:</b>	Added feces samples for marmoset to section IV and added feces in section II as part of extraction method
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<b>Review comments:</b>	None.
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**5. Notice of Minor Modification Forms Approved:**

See attached report for a list of all Minor Modification forms received and approved since the last meeting.

**6. Notice of Protocol Annual Updates Received:**

See the attached report for a list of all Annual Update forms received and approved since the last meeting.

**7. Notice of Protocol Terminations:**

<b>NuRamp ID:</b>	315
<b>TITLE:</b>	<b>Characterization of African Swine Fever Virus proteins</b>
<b>PI:</b>	<b>Gustavo Delhon</b>
<b>DEPT:</b>	School of Veterinary Medicine and Biomedical Sciences
<b>Project Biosafety Level:</b>	<b>BSL-2, ABSL-2 (Animal)</b>
<b>Project Termination Date:</b>	3/26/2026

**PROTOCOL NOTES:**

<b>IRB protocol(s):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>SROC protocol:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>IACUC Protocol(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<b>Disposition of rDNA and agents:</b>	Attenuated parapoxviruses used as vectors for immunization transferred to collaborator. Other materials described in protocol were autoclaved.
<b>NuRamp ID:</b>	47
<b>TITLE:</b>	<b>Studies on immunomodulatory factors and vector potential in poxviruses.</b>
<b>PI:</b>	<b>Gustavo Delhon</b>
<b>DEPT:</b>	School of Veterinary Medicine and Biomedical Sciences
<b>Project Biosafety Level:</b>	<b>BSL-2, ABSL-2 (Animal)</b>
<b>Project Termination Date:</b>	3/26/2026
<b>PROTOCOL NOTES:</b>	
<b>IRB protocol(s):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>SROC protocol:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>IACUC Protocol(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Disposition of rDNA and agents:</b>	Attenuated parapoxviruses used as vectors for immunization are being transferred to collaborator. A UNL PI has received described virus samples. Other materials described in the protocol have been autoclaved.

### C. Other Business:

1. **EHS Report**
2. **NuRamp Compare Tools Training**

A BSO showed committee members how use the Compare Tool on NuRamp to view changes made on protocols slated for upcoming agendas.

## II. ADJOURN

**Motion:** D. Loy  
**2nd:** H. Blair  
**Time Adjourned:** 3:53

Form ID	Approval Date	IBC Project ID	Project Title	Protocol Status	Form Status	Lead PI	Amendment Needed
UNL-00026165	4/2/2026	UNL-00000094	Characterization of food allergens: analysis of human serum for the detection of peanut peptides using mass spectrometry	Approved	Approved	Joseph Baumert	No
UNL-00026446	4/2/2026	UNL-00000633	Microbiological lab for food safety risk assessment	Approved	Approved	Bing Wang	No
UNL-00026443	4/3/2026	UNL-00000163	Molecular Genetics and Biology of Wheat Viruses	Approved	Approved	Satyanarayana Tatineni	No
UNL-00026442	4/3/2026	UNL-00000161	Plant RNA Virus Gene Expression Vectors	Approved	Approved	Satyanarayana Tatineni	No
UNL-00026441	4/2/2026	UNL-00000363	Omics study of Eukaryotic and Bacterial cells; Plant and Food material, and Human and Animal biofluids and tissues	Approved	Approved	Robert Powers	No
UNL-00026440	3/30/2026	UNL-00000167	Protein Solution Structures Determined by NMR	Approved	Approved	Robert Powers	No
UNL-00026438	4/1/2026	UNL-00000099	Natural Product Cancer Therapy Efficacy in Cell Culture	Approved	Approved	David Berkowitz	No
UNL-00026437	4/1/2026	UNL-00000309	Enzyme Expression in E. coli BL21	Approved	Approved	David Berkowitz	No
UNL-00026436	3/30/2026	UNL-00001299	Signaling pathways in taste cells	Approved	Approved	Sunil Sukumaran	Yes
UNL-00026435	4/1/2026	UNL-00001503	Soybean Gall Midge and Commercially Available Transgenic Soybean	Approved	Approved	Justin McMechan	No
UNL-00026434	3/30/2026	UNL-00000855	Evaluation of genes influencing plant bioenergetics and reproductive development	Approved	Approved	Jeff Mower	No
UNL-00026433	3/31/2026	UNL-00001362	Understanding Arthropod-borne infection, replication mechanisms, codon usage, and host influences on the virus genome	Approved	Approved	Nicole Sexton	No
UNL-00026432	4/1/2026	UNL-00000120	Replication and Assembly of RNA Viruses	Approved	Approved	Asit Pattnaik	No
UNL-00026430	3/27/2026	UNL-00000086	Genes in miRNA and siRNA pathway.	Approved	Approved	Bin Yu	No
UNL-00026428	3/26/2026	UNL-00000188	Plant Mitochondrial Genomic Research	Approved	Approved	Alan Christensen	No
UNL-00026427	3/26/2026	UNL-00001489	Enzyme Engineering	Approved	Approved	Nicole Buan	No
UNL-00026426	3/25/2026	UNL-00001293	Cytokine effect on T cell plasticity and imbalance phenotype in normal context and pathogenic infection by Influenza and In Vitro Evaluation of Drug Combination Efficacy Against Various Respiratory Pathogens	Approved	Approved	Tomas Helikar	No
UNL-00026424	3/18/2026	UNL-00001128	Fermentation of Bacillus anthracis Sterne.	Approved	Approved	Scott Johnson	No
UNL-00026423	3/18/2026	UNL-00000176	Quality Control Microbiology	Approved	Approved	Scott Johnson	No
UNL-00026422	3/18/2026	UNL-00000028	UNL BPDF - Process Development and Pre-clinical Manufacturing of Recombinant Proteins	Approved	Approved	Scott Johnson	No

Minor Modification Forms Approved since Last IBC Meeting

Form ID	IBC Project ID	Approval Date	ProjectTitle	Protocol Status	Form Status	Lead PI	Form Changes
UNL-00026421	UNL-00000892	3/19/2026	Food-derived bioactive proteins and peptides	Approved	Approved	Kaustav Majumder	Personnel
UNL-00026414	UNL-00000183	3/10/2026	Genetic manipulation of anaerobic microbes	Approved	Approved	Nicole Buan	Personnel
UNL-00026413	UNL-00001489	3/10/2026	Enzyme Engineering	Approved	Approved	Nicole Buan	Personnel
UNL-00026410	UNL-00000027	3/11/2026	Applied Food Safety Microbiology and Risk assessment	Approved	Approved	Jayne Stratton	Personnel