University of Nebraska – Lincoln Institutional Biosafety Committee

Minutes of Regular IBC Meeting

Date: March 9th, 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), A. Mitra (Plant SME), W. Niu (Member), S. Tatineni (Member), D. Zinniel (Lab Rep)
Members Absent: D. Loy (Chair), K. O'Neill (Community Member), N. Sexton (Member), M. Wiebe (Member)
Quorum Met: Yes
Ex-Officio Advisors: D. Hamernik, B. Osthus, S. Quinn
Others: K. Evans, L. Gregurek, A. Jungck, L. Pingault, E. Schulz
Review of Minutes from 2/9/2026 Meeting:
Motion to approve minutes made by K. Heath, 2nd by D. Zinniel
Minutes approved unanimously as written.
For: 8
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:

NuRamp ID:	36
Form ID:	**26302**
TITLE:	**Regulation of Ovarian Somatic Cell, Oocyte, Embryo, and Placenta mRNA and Protein Expression**
PI:	**Jennifer Wood**
DEPT:	Animal Science
Project Biosafety Level:	BSL-2, ABSL-1 (Animal)
NIH Guidelines reference:	III-F-1, III-F-2, III-F-6, III-F-8, C-II, C-VII, C-VIII, III-E
Date of IBC Review:	**2/9/2026**
IBC MOTION:	Approved contingent lab workers complete required trainings.
IBC ACTION:	***Adopted by voice vote***
PROTOCOL NOTES:	
Date of PI Response:	**3/10/2026**
PI Response:	Training confirmations have been sent to the biosafety office.

Additional Comments:	None.

NuRamp ID:	199
Form ID:	**26339**
TITLE:	**Study of gut microbial community structure and function using metagenomics and metatranscriptomics approaches in ruminants and non-ruminants**
PI:	**Samodha Fernando**
DEPT:	Animal Science
Project Biosafety Level:	BSL-2, ABSL-2 (Animal), BSL-1-P (Plant)
NIH Guidelines reference:	III-F-4, III-F-6, III-F-8, C-II, C-III, C-V, C-VI, III-E, III-D-2-a, III-D-4, III-D-4-a, III-D-6
Date of IBC Review:	**2/9/2026**
IBC MOTION:	Approved contingent training is complete by personnel.
IBC ACTION:	***Adopted by voice vote***
PROTOCOL NOTES:	
Date of PI Response:	**2/24/2026**
PI Response:	Required training has been completed.
Additional Comments:	None.

NuRamp ID:	237
Form ID:	**26317**
TITLE:	**Role of the protein quality control in mitochondrial homeostasis and stress response**
PI:	**Oleh Khalimonchuk**
DEPT:	Biochemistry
Project Biosafety Level:	BSL-2
NIH Guidelines reference:	III-F-1, III-F-4, III-F-5, III-F-8, C-I, C-II, C-III, III-E, III-E-1, III-D-2-a, III-D-3-a, III-D-4-a
Date of IBC Review:	**2/9/2026**
IBC MOTION:	Approved contingent any necessary USDA permitting is acquired.
IBC ACTION:	***Adopted by voice vote***
PROTOCOL NOTES:	
Date of PI Response:	**2/17/2026**
PI Response:	An application for Organisms and Vectors (OV) Interstate Transport Permit from USDA Animal and Plant Health Inspection Service (APHIS) is Pending
Additional Comments:	Permit will be attached to protocol after it is approved.

B. New Business:

1. New Protocol Registrations:

NuRamp ID:	1554
Form ID:	**26306**
TITLE:	**Functional validation of arthropods olfactory receptors.**
PI:	**Lise Pingault**
DEPT:	Entomology
Project Biosafety Level:	BSL-1, ACL-1 (Arthropod)
NIH *Guidelines* reference:	III-E, III-D-4, III-D-4-b
IBC MOTION:	Approve as written.
Contingencies/Issues:	
Made by:	K. Heath
Seconded by:	W. Niu
IBC ACTION:	
For:	***8***
Against:	***0***
Abstained:	***0***

PROTOCOL REVIEW SUMMARY:

Review of Protocol:	
Summary of Project(s):	This research aims to understand how beneficial parasitic wasps locate their insect hosts using smell. First, we will measure the activity (gene expression) of specific smell-related genes, called olfactory receptor genes, in parasitic wasps collected from different host plants. Second, we will test the function of selected olfactory receptor genes using a laboratory model insect, the fruit fly.
Risk Assessment Considerations:	N/A
Genetic Material:	Olfactory receptor genes, pUASg.attB expression plasmid
Vector system:	N/A
Microbiological agents:	E. coli
Organisms:	Fruit fly, wasp
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	2/27/2026 **Findings**:

Pre-approval Safety Survey:	No findings.
IBC Discussion:	The committee asked PI about the probability of collected wasps from the field containing disease. PI confirmed that wasps collected are not known to carry plant pathogens and will be selected from plants without signs of disease. Laboratory space and containment practices were reviewed, and minor *Drosophila* containment recommendations were incorporated into the protocol.

NuRamp ID:	1555
Form ID:	**26320**
TITLE:	**Field-Collected Tick Behavioral Assays**
PI:	**Eileen Hebets**
DEPT:	School of Biological Sciences
Project Biosafety Level:	ACL-2 (Arthropod)
NIH *Guidelines* reference:	N/A
IBC MOTION:	Approve with the following contingencies:
Contingencies/Issues:	• More information about the sequencing happening at UNMC, a satisfactory pre-approval survey, and all required training is completed.
Made by:	A. Mitra
Seconded by:	H. Blair
IBC ACTION:	
For:	***8***
Against:	***0***
Abstained:	***0***

PROTOCOL REVIEW SUMMARY:

Review of Protocol:	
Summary of Project(s):	The long-term goal of this study is to understand how *I. scapularis* expansion contributes to the changing landscape of Lyme disease in the United States. This project assesses how *I. scapularis* genomic composition influences Lyme disease transmission risk.
Risk Assessment Considerations:	
Genetic Material:	N/A
Vector system:	N/A
Microbiological agents:	N/A
Organisms:	Field collected ticks
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:	Tickborne Disease Monitoring
Administrative issues:	
Current safety training for staff:	Lab member needs to complete Biosafety 100, 101, and 201 training.
Current equipment certification:	Yes.
Date/Result of Pre-approval Safety Survey:	N/A — **Findings**: Pre-approval survey not yet conducted.
IBC Discussion:	Committee asked how PI will handle ticks potentially contaminated with Lyme disease, and PI confirmed all ticks used in this study are field collected and are considered diagnostic. It is unknown whether they contain pathogenic disease agents or not during this stage of the project. All the ticks will be treated as if they all contain a pathogenic agent/Lyme disease, and will all be placed in ACL-2 setup for safety precautions. Committee wanted clarification and more information on the technical description of sequencing, approved protocol contingent on PI providing more sequencing information and lab members completing training.

NuRamp ID:	1560
Form ID:	**26354**
TITLE:	**Soybean crossing with Enlist E3 trait**
PI:	**George Graef**
DEPT:	Agronomy and Horticulture
Project Biosafety Level:	BSL-1-P (Plant)
NIH *Guidelines* reference:	III-E-2
IBC MOTION:	Approve with the following contingencies:
Contingencies/Issues:	• Required training is completed
Made by:	H. Blair
Seconded by:	D. Zinniel
IBC ACTION:	
For:	***7***
Against:	***0***
Abstained:	***1***

PROTOCOL REVIEW SUMMARY:

Review of Protocol:	
Summary of Project(s):	This research is for soybean variety development for Enlist E3 soybeans. Cross soybean plants in the growth chamber to obtain F1 seeds. The F1 plants will be grown in the field to obtain F2 seeds.
Risk Assessment Considerations:	

Genetic Material:	N/A
Vector system:	N/A
Microbiological agents:	N/A
Organisms:	Transgenic commercial soybean
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:	Lab members need to complete Biosafety 100 and 101 trainings.
Current equipment certification:	Yes.
Date/Result of Pre-approval Safety Survey:	N/A — **Findings**: Greenhouse space only.
IBC Discussion:	The Committee had no concerns about this protocol and deemed it a natural progression of the PI's current research, which will mainly be used for commercial purposes.

NuRamp ID:	1553
Form ID:	**26305**
TITLE:	**Regulating thermogenic adipose function to improve metabolic health in obesity and chronic diseases**
PI:	**Hee Jin Jun**
DEPT:	Nutrition and Health Sciences
Project Biosafety Level:	BSL-2, ABSL-1 (Animal)
NIH *Guidelines* reference:	III-F-8, C-VII, III-E-1
IBC MOTION:	Approve with the following contingencies:
Contingencies/Issues:	• Satisfactory pre-approval survey is completed and clarification on Streptozotocin SOPs
Made by:	H. Blair
Seconded by:	D. Zinniel
IBC ACTION:	
For:	***7***
Against:	***0***
Abstained:	***1***

PROTOCOL REVIEW SUMMARY:

Review of Protocol:	
Summary of Project(s):	We will test causality using genetic and pharmacological mouse models, along with complementary mouse and human cell culture systems, to precisely modulate thermogenic fat function.

	We will also evaluate interventions that manipulate thermogenic fat to treat and/or prevent chronic diseases with metabolic dysregulation.
Risk Assessment Considerations:	
Genetic Material:	Genes associated with glucose homeostasis
Vector system:	Adeno associated virus (AAV)
Microbiological agents:	Adeno associated virus (AAV)
Organisms:	Transgenic mice
OTCC:	Mouse samples, human cell lines
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:	Hepatitis B vaccination
Administrative issues:	
Current safety training for staff:	Yes.
Current equipment certification:	Yes.
Date/Result of Pre-approval Safety Survey:	N/A — **Findings**: Pre-approval survey not yet conducted.
IBC Discussion:	The Committee requested additional details in the protocol, including the purpose and dosage of streptozotocin in mice, and asked that relevant procedures referenced in the IACUC protocol be included in the technical description. Approval will proceed following receipt of the requested clarifications and pre-approval visit.

2. Protocol Amendments:

NuRamp ID:	1126
Form ID:	26359
TITLE:	Molecular characterization of common animal viral pathogens
PI:	Hiep Vu
DEPT:	Animal Science
Protocol Biosafety Level:	BSL-2, ABSL-2 (Animal)
NIH Guidelines reference:	III-F-6, III-E, III-E-1, III-D-1-a, III-D-2-a, III-D-3-a, III-D-4-a, III-D-7
IBC MOTION:	Approve as written.
Contingencies/Issues:	
Made by:	K. Heath
Seconded by:	W. Niu
IBC ACTION:	

For:	***8***
Against:	***0***
Abstained:	***0***

PROTOCOL NOTES:

Review of Protocol:	
Summary of Project(s):	The overarching objective of my research is to develop efficacious vaccines against important viral pathogens such as porcine reproductive and respiratory syndrome virus (PRRSV), influenza A virus (IAV), and African swine fever virus (ASFV).
Changes to the Protocol:	Updated personnel, removed microbes and cells, updated gene list and research description. Add bullet point 2.8 to project 2, which is influenza virus vaccine. In this section, I describe the overview of the generation of the lentivirus pseudoparticle containing the HA protein of highly pathogenic avian influenza virus, which will be used for measuring virus neutralization assay.
Risk Assessment Considerations:	
Genetic Material:	H5 gene of H5N1 influenza virus
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 / **Findings:** 2/27/2026 / No findings.
IBC Discussion:	The committee had no concerns about the proposed changes.

NuRamp ID:	950
Form ID:	26360
TITLE:	Metabolomics Core Facility
PI:	Sophie Alvarez Y Albala
DEPT:	Center for Biotechnology
Protocol Biosafety Level:	BSL-2
NIH Guidelines reference:	III-F-8, C-I, C-VII

IBC MOTION:	Approve as written.
Contingencies/Issues:	
Made by:	W. Nu
Seconded by:	D. Zinnel
IBC ACTION:	***Approve as Written***
For:	***8***
Against:	***0***
Abstained:	***0***

PROTOCOL NOTES:

Review of Protocol:	
Summary of Project(s):	The facility analyzes proteins and metabolites from a wide range of samples using mass spectrometry-based approaches.
Changes to the Protocol:	Added Candida albicans, Candida parapsilosis, Candida krusei, Candida lusitaniae, Candida auris into microorganisms section
Risk Assessment Considerations:	
Genetic Material:	N/A
Vector system:	N/A
Microbiological agents:	Candida albicans, Candida parapsilosis, Candida krusei, Candida lusitaniae, Candida auris
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	**Findings:**
	4/28/2025	No findings.

IBC Discussion:	Committee wanted clarification on if the PI would receive samples frozen or not. The PI confirmed the organisms are obtained frozen from a recognized culture collection. The Committee reviewed the handling and inactivation steps and had no additional concerns.

NuRamp ID:	1380
Form ID:	26362

TITLE:	Production and storage of African Swine Fever Virus (ASFV) vaccine master seed.
PI:	Scott McVey
DEPT:	School of Veterinary Medicine and Biomedical Sciences
Protocol Biosafety Level:	BSL-3
NIH Guidelines reference:	III-E, III-D-3-e
IBC MOTION:	Approve with the following contingencies:
Contingencies/Issues:	• Required training is completed
Made by:	A. Mitra
Seconded by:	K. Heath
IBC ACTION:	
For:	***8***
Against:	***0***
Abstained:	***0***

PROTOCOL NOTES:

Review of Protocol:	
Summary of Project(s):	Work consists in propagation of ASFV vaccine strains in cultured swine macrophages with the goal of obtaining master seeds stocks.
Changes to the Protocol:	Updated personnel and Co-PIs
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:	Staff need to complete Biosafety 100, 101, and 201 trainings
Current equipment certification:	Yes.

Date/Result of last EHS Survey:	Annual	**Findings:**
	11/18/2025	No findings.

IBC Discussion:	Committee did not have any issues with the proposed changes to the protocol.

NuRamp ID:	273

Form ID:	26300
TITLE:	Stress tolerance in rice and wheat
PI:	Harkamal Walia
DEPT:	Agronomy and Horticulture
Protocol Biosafety Level:	BSL-1, BSL-1-P (Plant)
NIH Guidelines reference:	III-F-8, C-II, III-E, III-E-2, III-E-2-a, III-D-2-a
IBC MOTION:	Approve with the following contingencies:
Contingencies/Issues:	• Required training is completed
Made by:	H. Blair
Seconded by:	D. Zinniel
IBC ACTION:	
For:	***8***
Against:	***0***
Abstained:	***0***

PROTOCOL NOTES:

Review of Protocol:	
Summary of Project(s):	Generation of transgenic rice plants for stress tolerance research. Testing of soybeans and maize transgenic plants generated by UNL Core Transformation Facility using the DNA sequence/genes from the corresponding species for testing of heat, drought and salinity tolerance.
Changes to the Protocol:	Updated research description, added Saccharomyces to Section III, added soybean and maize transgenic plants to Section V, updated plasmid and genetic elements in Section VI
Risk Assessment Considerations:	
Genetic Material:	Salt tolerance genes
Vector system:	N/A
Microbiological agents:	Saccharomyces cerevisiae
Organisms:	Soybean and maize
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:	Lab members need to complete biosafety 100 and 101
Current equipment certification:	Yes.

Date/Result of last EHS Survey:	Annual	**Findings:**
	11/11/2025	All findings resolved.

IBC Discussion:	The committee found no issues with the proposed protocol changes and deemed it a natural progression of the PI's work.

3. Notice of NIH Exempt Protocol Approvals: None

4. Notice of Administratively Approved Amendments:

NuRamp ID:	1121
Form ID:	**26324**
TITLE:	**Examining the role of the healthy gastrointestinal microbiome in preventing infection with antibiotic resistant pathogens**
PI:	**Jennifer Auchtung**
DEPT:	Food Science and Technology
Project Biosafety Level:	BSL-2, ABSL-2 (Animal)
NIH Guidelines reference:	III-F-4, III-F-8, C-II, C-V, III-D-1-a, III-D-2-a
PROTOCOL NOTES:	
IRB protocol:	☑Yes ☐No **SROC protocol:** ☐Yes ☑No
IACUC Protocol:	☑Yes ☐No
Objective of Study:	As an extension of our work to understand how diet influences functions of the microbiota, we will be cultivating the microbiota and individuals microbes in the presence of different compounds that can be found in the diet to test effects on function(s). These studies will include growing microbes in the presence of dietary bioactives, such as extracellular vesicles (EVs) purified from chives, as well as toxic metals that can be introduced through the diet, such as cadmium.
Changes to the Protocol:	Updated personnel, funding, pathogen inventory, and cell lines.
Review comments:	None.

NuRamp ID:	60
Form ID:	**26318**
TITLE:	**Enhancing phenotypic attributes of commodity crops through biotechnology**
PI:	**Nathaniel Butler**
DEPT:	Agronomy and Horticulture
Project Biosafety Level:	BSL-1, BSL-1-P (Plant)
NIH Guidelines reference:	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
PROTOCOL NOTES:	
IRB protocol:	☐Yes ☑No **SROC protocol:** ☐Yes ☑No
IACUC Protocol:	☐Yes ☑No
Objective of Study:	Conduct vector cloning of insect Bracon olfactory receptors (ORs) genes in an insect protein expression system for use by Dr. Lise Pingault (UNL) lab.

Changes to the Protocol:	Updated collaborators and genetic elements (added olfactory receptor genes).
Review comments:	None.

NuRamp ID:	1264
Form ID:	**26316**
TITLE:	**Approaches to understand cell-cell signaling**
PI:	**James Checco**
DEPT:	Chemistry
Project Biosafety Level:	BSL-2
NIH Guidelines reference:	III-F-8, C-I, C-II, III-E
PROTOCOL NOTES:	
IRB protocol:	☐Yes ☑No **SROC protocol:** ☐Yes ☑No
IACUC Protocol:	☑Yes ☐No
Objective of Study:	Our lab aims to understand the chemical components and interactions that facilitate cell-to-cell communication. To accomplish this goal, we will take model cell lines or various tissues and extract their chemical components for analysis using several analytical methods (primarily liquid chromatography and mass spectrometry). We also study activation of cell surface receptors using biochemical assays. Other projects involve developing and evaluating molecules to bind to particular proteins of interest.
Changes to the Protocol:	Updated personnel to reflect recent changes for the Spring. Updated gene list. Added U-2 OS and HL-60 cell lines.
Review comments:	None.

NuRamp ID:	719
Form ID:	**26321**
TITLE:	**The role of fatty acids in placenta, liver, brain, eye and fetal health**
PI:	**Sathish Natarajan**
DEPT:	Nutrition and Health Sciences
Project Biosafety Level:	BSL-2, ABSL-2 (Animal)
NIH Guidelines reference:	III-F-1, III-F-2, III-F-8, C-II, C-VIII, III-E, III-D-1-a, III-D-2-a, III-D-3-a
PROTOCOL NOTES:	
IRB protocol:	☐Yes ☑No **SROC protocol:** ☐Yes ☑No
IACUC Protocol:	☑Yes ☐No
Objective of Study:	We will determine the pathogenic role of Zika virus or West Nile Virus infection to prostate, brain, spleen and testis.
Changes to the Protocol:	Updated personnel and research description, added mouse tissue, new lab space.
Review comments:	None.

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:

NuRamp ID:	**97**
TITLE:	**Population genomics of high altitude adaptation in deer mice (Peromyscus maniculatus)**
PI:	**Jay Storz**
DEPT:	School of Biological Sciences
Project Biosafety Level:	**BSL-2**
Project Termination Date:	2/19/2026
PROTOCOL NOTES:	
IRB protocol(s):	☐Yes ☑No **SROC protocol:** ☐Yes ☑No
IACUC Protocol(s):	☑Yes ☐No
Disposition of rDNA and agents:	Materials destroyed.

C. Other Business:

1. EHS Report

2. Conflict of Interest Statement and Confidentiality Agreement

Committee discussed and approved updated documentation for Conflict of Interest Statements and Confidentiality Agreements

Motion for Confidentiality Agreement Implementation: Approve as written

For: 8

Against: 0

Abstained: 0

II. ADJOURN

Motion: H. Blair

2nd: A. Mitra

Time Adjourned: 3:42pm

IBC Annual Update Form Approvals
since last IBC Meeting

Form ID	Approval Date	IBC Project ID	Project Title	Protocol Status	Form Status	Lead PI	Amendment Needed
UNL-00026165	2/25/2026	UNL-00001109	Daphnia pathogen experiments	Approved	Approved	Clay Cressler	**No**
UNL-00026390	2/26/2026	UNL-00000445	Plant Microbiome Research	Approved	Approved	Daniel Schachtman	**No**
UNL-00026388	2/24/2026	UNL-00001138	Assessing allergic potential of proteins through expression in non-pathogenic E. coli	Approved	Approved	Philip Johnson	**No**
UNL-00026387	2/23/2026	UNL-00001359	Assessing the role of fatty acid metabolism in development of metabolic diseases.	Approved	Approved	Tomasz Bednarski	**No**
UNL-00026385	2/24/2026	UNL-00000615	Metabolic Engineering and Synthetic Biology	Approved	Approved	Wei Niu	**No**
UNL-00026384	3/2/2026	UNL-00000458	Molecular biology and biochemistry underlying the interaction of tomato, tobacco (Nicotiana benthamiana), and Arabidopsis with Pseudomonas syringe	Approved	Approved	Lirong Zeng	**No**
UNL-00026383	2/26/2026	UNL-00001483	The Impact of Cancer Treatment on Lymphatic Vessel Regeneration and Remodeling	Approved	Approved	Mohammad Razavi	**No**
UNL-00026382	2/23/2026	UNL-00000027	Applied Food Safety Microbiology and Risk assessment	Approved	Approved	Jayne Stratton	**No**
UNL-00026381	2/26/2026	UNL-00000060	Enhancing phenotypic attributes of commodity crops through biotechnology	Approved	Approved	Nathaniel Butler	**Yes**
UNL-00026371	2/10/2026	UNL-00000073	Growth Factor Involvement in Gonadal Development and Function	Approved	Approved	Andrea Cupp	**No**
UNL-00026367	2/10/2026	UNL-00000147	Plant Transformation Core Research Facility	Approved	Approved	Nathaniel Butler	**No**
UNL-00026364	2/16/2026	UNL-00000413	Genetic Improvement of Sorghum and Switchgrass for Energy Uses: Mechanisms controlling the biological pathways	Approved	Approved	Scott Sattler	**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-00026394	UNL-00000120	2/26/2026	Replication and Assembly of RNA Viruses	Approved	Approved	Asit Pattnaik	Personnel
UNL-00026389	UNL-00001121	2/25/2026	Examining the role of the healthy gastrointestinal microbiome in preventing infection with antibiotic resistant pathogens	Approved	Approved	Jennifer Auchtung	Personnel
UNL-00026386	UNL-00001109	2/25/2026	Daphnia pathogen experiments	Approved	Approved	Clay Cressler	Personnel
UNL-00026379	UNL-00000117	2/19/2026	Synthetic and Chemical Biology	Approved	Approved	Jiantao Guo	Personnel
UNL-00026375	UNL-00000092	2/16/2026	Genetic Manipulation of Mycobacteria	Approved	Approved	Raul Barletta	Personnel
UNL-00026374	UNL-00001544	2/16/2026	Detection of bacterial pathogens in food manufacturing samples.	Approved	Approved	Heidi Leonard	Personnel
UNL-00026372	UNL-00001450	2/25/2026	Understanding the Cognitive and Brain Health in Relation to Diet and Dietary Interventions	Approved	Approved	Doug Schultz	Personnel
UNL-00026369	UNL-00001449	2/9/2026	An evaluation of Chloroviruses in an animal model of Amyotrophic Lateral Sclerosis	Approved	Approved	Tom Petro	Lab space
UNL-00026366	UNL-00001416	2/10/2026	Management veterinary pest insects by RNAi/miRNA	Approved	Approved	John Wang	Personnel