

# NEW RSS BIO PLATFORM

- Physical weblink- <https://ehs.ucop.edu/rss/use-authorization/biosafety>
- Or go to UC Merced EH&S webpage- <https://ehs.ucmerced.edu/>
- Click on 'BIO' from the quick links.

UNIVERSITY OF CALIFORNIA  
**MERCED**

ENVIRONMENTAL HEALTH & SAFETY

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**BIO**

**Working Alone?**  
Working alone is not a prudent practice. AVOID WORKING ALONE WHENEVER POSSIBLE. Schedule work with hazardous materials or procedures when you will not be alone. Never work alone...

**Mission and Vision Statements**

It is the mission of the Office of Environmental Health & Safety (EH&S) to support the academic and administrative functions of the university to help ensure a safe and healthful workplace and the environmentally sound management of hazardous materials. This is accomplished through collaborative, team-oriented methods that identify the optimum compliance strategies in harmony with the activities of the university.

EH&S aims to establish comprehensive occupational health and safety compliance programs that are seamlessly and systematically integrated into the academic and administrative activities of the university and, consequently, preserve the human and fiscal resources of the university. Likewise, FH&S aims to

- Check University of California, Merced from dropdown menu and click 'NEXT'.

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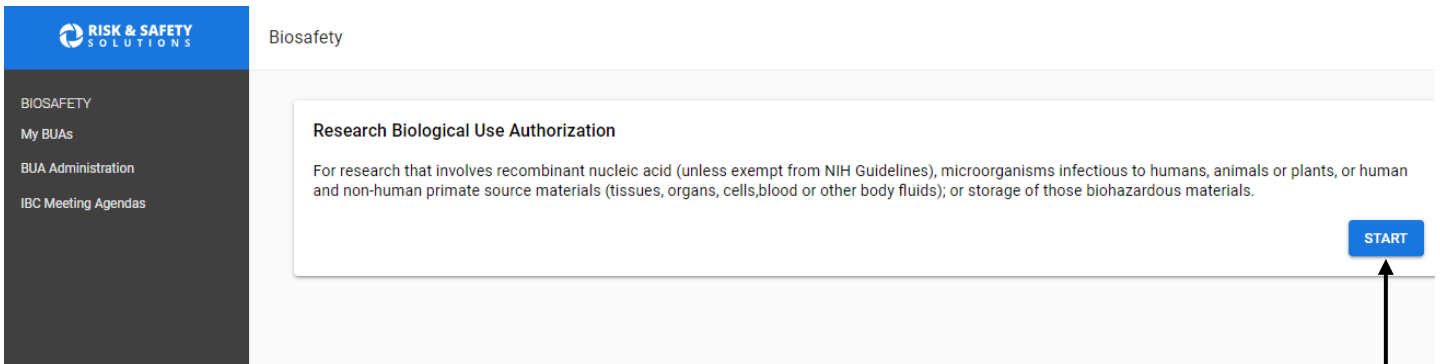
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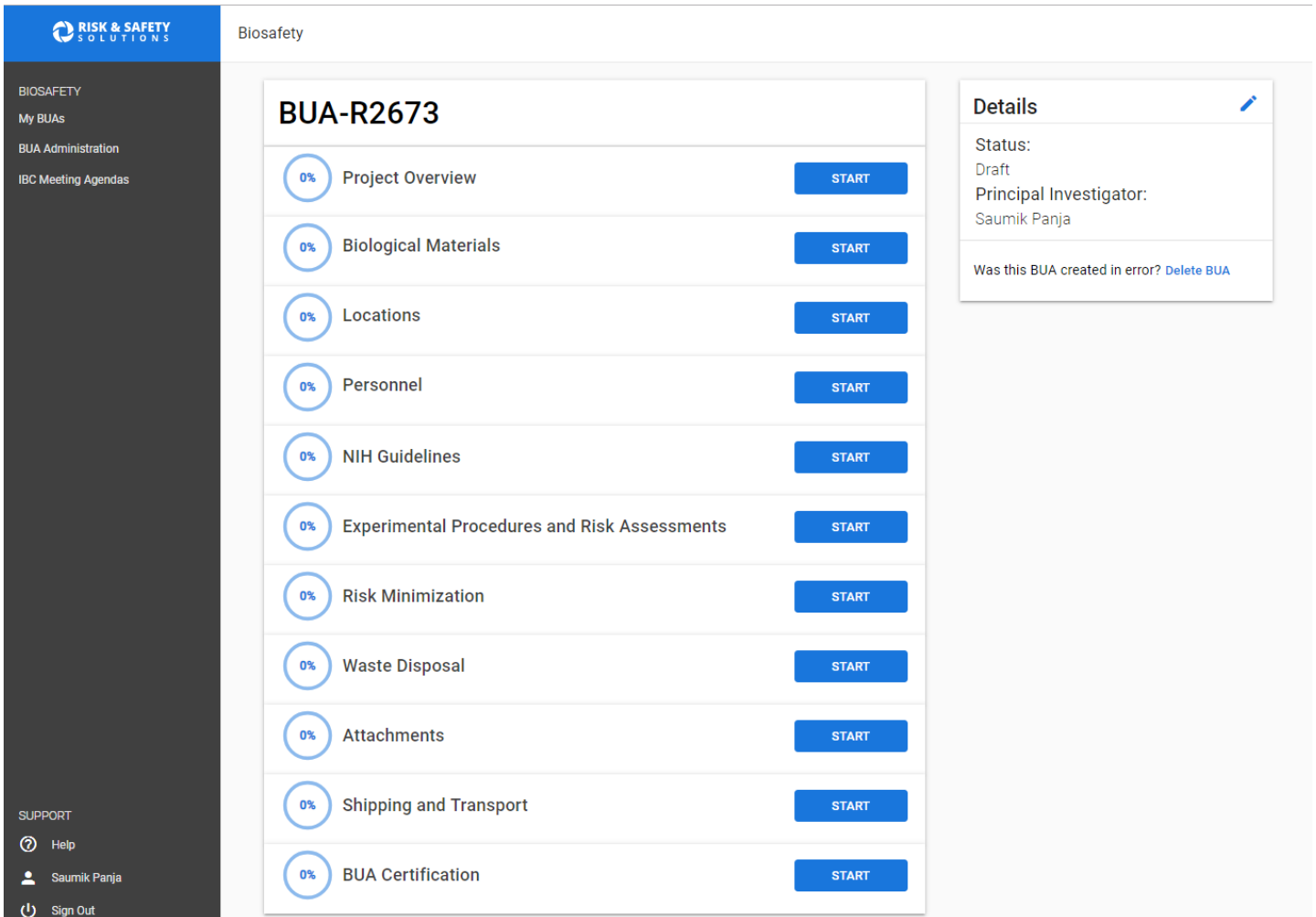
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- Click on 'START' to create a new BUA.
- or
- Click on 'My BUAs' to edit your existing BUA.



**Note:** After completing each section click on 'SAVE' or 'SAVE AND CONTINUE'

# BUA-R2673

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## Project Overview ✕

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Project Title:

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Provide a summary of your research goals and specific objectives:  
It is important to use language that is general enough to be understood by people with non-scientific backgrounds and to define acronyms the first time they are used.

- Go to Project Overview to put information about Project Title and description.

### Biosafety

# BUA-R2673

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## Biological Materials ✕

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Select the biological organisms and materials to be used:

- Any
- Cells-Tissues-Body Fluids
- Nucleic Acids
- Agents
- Plants
- Animals
- Hazardous Proteins

CLOSE SAVE SAVE & CONTINUE

- Select the category of the biological materials and write the name of species/ material.
- Depending on the species/material and its use there will be more questions in the downstream.

## Biosafety

# BUA-R2673

## Locations ×

Facility location(s) where biological materials will be used and/or stored:

[CLOSE](#) [SAVE](#) [SAVE & CONTINUE](#)

- Indicate each lab section (indicated by room no.) where the research will take place.

## Biosafety

# BUA-R2673

## Personnel ×

Personnel authorized to work on this project or is listed as a Principal Investigator (PI) contact:

[ADD PERSON](#)

[CLOSE](#) [SAVE](#) [SAVE & CONTINUE](#)

- Add personnel and their specific role in this window.
- It is recommended to identify one of the personnel as a PI contact.

**Note: The PI contact will be able to edit the BUA but the certification and submission need to be done by PI.**

## BUA-R2673

### NIH Guidelines



National Institutes of Health (NIH) sections that apply to this project:

- III-A (Experiments that Require Institutional Biosafety Committee Approval, RAC Review, and NIH Director Approval Before Initiation)
- III-B (Experiments That Require NIH OSP and Institutional Biosafety Committee Approval Before Initiation)
- III-C (Experiments that Require Institutional Biosafety Committee and Institutional Review Board Approvals and RAC Review (if applicable) Before Research Participant Enrollment)
- III-D (Experiments that Require Institutional Biosafety Committee Approval Before Initiation)
- III-E (Experiments that Require Institutional Biosafety Committee Notice Simultaneous with Initiation)
- III-F (Exempt Experiments)

Other Sections or Appendices: Optional

- 
- I need help with this Section.
  - None apply.

CLOSE

SAVE

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- If you are working with rDNA that falls under NIH guidelines, please indicate those here.
- If the experiments and materials fall under exempt category, please select 'None apply'.

## Experimental Procedures and Risk Assessments



Describe the experimental procedures to be performed, including the use of all materials listed in this BUA. Indicate the relationship between materials (e.g. which genes will be carried by which viral vector for transduction of which cells/host; or which organism/cells will be infected with which microorganism).

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If recombinant nucleic acids are involved, identify the genes/constructs, vectors and hosts for the experiments and indicate the methods to be used for transformation, transfection or transduction.

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Specify the known and suspected biohazards posed to humans, animals or plants by the materials/infectious agents listed in the BUA, including the disease symptoms, transmission routes and information on laboratory acquired infections. If an exotic arthropod vector system or a transgenic organism/microorganism is used, discuss the possible consequences of a release into the local environment. For work involving recombinant nucleic acids or genetically modified organisms or microorganisms, discuss the biohazards posed by the expression of genes of interest, the vectors and transformed organisms or microorganisms.

- Indicate the risk posed by the biological materials

# BUA-R2673

## Risk Minimization



Will access to the laboratory (or facility) be restricted while work is in progress?

Yes  No

Will general laboratory (or facility) safety training be provided to personnel?

Yes  No

Will nucleic acids be used in this research project?

Yes  No

Will bloodborne pathogens be used in this research project?

Yes  No

Will infectious agents be used in this research project?

Yes  No

Will sharps be used in this research project?

Yes  No

Will a centrifuge be used in this research project?

Yes  No

Will biological safety cabinets be used in this project?

Yes  No

Will any activity be performed that might generate aerosols, which present a human hazard, other than centrifugation?

Yes  No

Will animals be used in this research project?

Yes  No

Will plants be used in this research project?

Yes  No

Describe any additional risk minimization safety practices: Optional

- Address each mandatory question in the risk minimization section.

## BUA-R2673

### Waste Disposal ✕

Indicate your methods for terminal inactivation and waste disposal of the biological materials. If an autoclave will be used to inactivate waste (liquid or solid), the autoclave must be tested with a biological indicator at least monthly.

Will liquid waste be generated?

Yes  No

Will solid waste be generated?

Yes  No

Will sharps waste be generated?

Yes  No

Will carcass or tissue (Pathology) waste be generated?

Yes  No

[CLOSE](#) [SAVE](#) [SAVE & CONTINUE](#)


- Indicate the type of the waste that will be generated during the proposed research.

Biosafety

## BUA-R2673

### Attachments ✕

Upload your permit: Optional

 [UPLOAD](#)

[CLOSE](#) [SAVE](#) [SAVE & CONTINUE](#)

- Attach all your supporting documents here.



# BUA-R2673

## Shipping and Transport



The following types of materials will be transported:

- Infectious agents (including genetically modified microorganisms, viral vectors or materials containing these kinds of infectious agents)
- Transgenic microorganisms
- Human source materials
- Non-human primate source materials
- Materials not endemic to area where it will be used or stored
- Transgenic animals
- Transgenic plants
- Other
- Not applicable.

CLOSE

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- Indicate if you plan to ship any biological materials outside the campus.

## BUA Certification



### Acknowledgement of Responsibilities:

I will ensure that ALL persons who enter my laboratory or facility will be instructed about the hazards associated with this project and will practice appropriate safety precautions.

I will ensure that ALL persons conducting this work (including my collaborators) have received instruction about the specific hazards associated with the work and the specific safety equipment, practices and behaviors required during the course of the work and use of these facilities. I will ensure that all authorized personnel listed in this BUA (except for administrative staff who will not handle the materials listed on this BUA) will complete all required biosafety training that is related to their work and the materials they will handle. The IBC or EH&S may review my records documenting this requirement and may enter my laboratory or facility at any time to review my operations.

If there is a spill of biohazardous material, or any equipment or facility failure (e.g., ventilation failure) that may result in potential exposure to laboratory personnel, the general public, or loss of containment of biohazardous material, I will report the incident to the EH&S Biosafety Office immediately.

Should an employee or coworker become ill and exhibit symptoms and signs consistent with an infection by an organism associated with my research, I will report the incident to the EH&S Biosafety Office immediately.

Any changes to the BUA, especially, changes in materials, work, location, or procedures performed are required to submit an amendment to obtain an approval by the IBC or Biosafety Office prior to commencing work. (Examples: 1. Change from mouse cells to working with human or primate cells; 2. Change from adenoviral vector to HIV [lentiviral] vector.)

Work with biohazardous materials or recombinant organisms / nucleic acids shall not be conducted until approved by the IBC or the Biosafety Office.

I will ensure that ALL risk mitigation strategies and safety practices specified in this BUA are understood and followed by ALL personnel.

I will have all persons working in the space listed in this BUA aware of the hazards associated with this project.

I will comply with all of the applicable sections of the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules.

I agree with all of the above     I disagree

### Dual Use Research of Concern:

My research project described in this BUA involves an agent/toxin listed in section 6.2.1. of the United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern.

Yes     No

CLOSE

SAVE

SAVE & CONTINUE

- Certify and submit the BUA.