

BIOSAFETY
REGISTRATION DOCUMENT FOR BIOLOGICAL RESEARCH
(NEW AND FIVE YEAR RENEWAL)

OFFICE OF
RESEARCH INTEGRITY

REV. FEBRUARY 2019

The University of Rhode Island (URI) Institutional Biosafety Committee (IBC) serves as the IBC for the URI. The mission of the IBC is to promote safety and minimize the risks of performing Biological Research to URI investigators, study participants, the community, and the environment by providing scientific review and oversight to Biological Research at URI. The IBC is committed to following the letter and the spirit of biosafety guidelines, guidance, and regulations. The IBC shall operate in full compliance with all applicable federal, state, and local regulations.

Instructions

Research requiring Registration

Use this form to register research with:

- Potentially infectious agents (regardless of pathogenicity to humans) (e.g., bacteria, viruses, fungi, parasites, prions, rickettsias, yeasts, etc.)
- Recombinant DNA molecules, exempt or non-exempt from NIH Guidelines (e.g., recombinant or attenuated viral vectors, use of rDNA to create transgenic plants or animals)
- Human and nonhuman primate materials, including blood, tissues, and cell lines (primary and established)
- Biological toxins subject to the Select Agent Regulations

Form Submittal

Submit via IRBNet the following:

- This Registration Document
- Any attachments
- Relevant thesis, dissertation, or grant proposals

Adobe Forms

- Check that you have installed the latest version of Adobe Acrobat or Reader. The link to install Adobe Reader is: <http://get.adobe.com/reader>
- Download the IBC Registration Document
- Mac and iOS Users, open the file using Adobe Reader rather than the Preview function built into your Mac OS.
- Windows users, open the file using Adobe Acrobat or Reader rather than using a web browser.
- Save the form once you have entered your information. Then submit the form for IBC review via IRBNet

Timetable

Refer to the IBC meeting schedule on the URI Research Integrity [website](#) for submission deadlines

IBC Review and Approval Cycle

All IBC approvals require a renewal at their five year expiration. For renewals, submit an updated **Registration Document for Biological Research (New and Five Year Renewal)**.

Questions?

- Contact the Office of Research Integrity at 401-874-4328
- For training materials on IRBNet, refer to the Office of Research Integrity [website](#)
- For information on biosafety training, contact [URI EH&S Office](#) at 874-7993.

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IBC Registration Document Completion Checklist

The checklist provided is an optional tool for researchers that clearly defines the requirements for IBC registration document submission. Use this to make sure all of the required documents are being uploaded to IRBNet and all personnel associated with your project receive the necessary training.

- Completed Registration Document for Biological Research. **Please try to limit your answers to the space provided and focus on the biological research.** (Upload separate document if you believe additional information is valuable to the committee. Refer to specific questions you are addressing).
- Attach an inventory sheet of all biological research materials you will be using for this protocol. Provide the location where each material will be stored.
- Attach information detailing how you will obtain the biological materials for this protocol (e.g., commercial vendor)
- Attach copies of your laboratory's Standard Operating Procedures (SOPs).
- All personnel are required to attend an in-person biosafety training class with Connie Heird, Chemical Hygiene/Biosafety Officer, Environmental Health & Safety Office. After the initial training, **annual training is required** and can be completed by attending further trainings with Connie Heird, or taking the CITI training modules (www.citiprogram.org) relevant to your research. The following modules are offered:
 - Basic Biosafety Training
 - Animal Biosafety Training
 - Shipping and Transport of Regulated Biological Materials
 - OSHA Bloodborne Pathogens
- Attach relevant thesis, dissertation, or grant proposals.
- Attach signed Proposal Approval form, if part of a thesis/dissertation.

In-person biosafety training classes are offered all year round. Participants must visit the Environmental Health & Safety [Training Schedules and Handouts](#) page for training dates and registration information.

Questions?

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Section 1 - Administrative Information

REMINDER FOR MAC USERS: Complete form in Adobe Reader, not the Preview function in MAC OS. Using the Preview function will disable parts of the form.

a. Principal Investigator

b. College / Department

c. Email d. Phone Number

e. Project Title

f. Type of application New Registration Five Year Renewal List Protocol (BI #)

g. Anticipated Research Start Date Anticipated Research End Date

h. What sponsored research projects support this research? List the title(s), sponsor, URI Project ID #, current period of performance.

i. Where will the research take place? (Include Building/Room number(s))

j. Date of Biosafety Training

Collaboration

k. Does this project involve collaboration with another institution? Yes No

If yes, please be clear in Section 3 what portions of the work will not be conducted at URI.

This Registration Document for Biological Research is for work involving:

(More than one category may apply)

<input type="checkbox"/> Potentially infectious agents	Complete Sections 2, 3, 4, 5, and 9
<input type="checkbox"/> Recombinant DNA molecules (e.g., plasmids, viral vectors) or synthetic nucleic acids	Complete Sections 2, 3, 4, 6, and 9
<input type="checkbox"/> Human or nonhuman primate materials (e.g., blood, tissue, cell lines)	Complete Sections 2, 3, 4, 7, and 9
<input type="checkbox"/> Biological toxins subject to the Select Agent Regulations	Complete Sections 2, 3, 4, 8 and 9

Associated Approvals:

Committee	Description	Approval Number or Review Status (e.g., pending, under review)
IACUC	Conducting Biological Research with animals (e.g., introducing infectious agent, viral vector) require IACUC approval	
IRB	Collecting biological specimens from human subjects (e.g., blood draws) require IRB approval	

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Section 2 - Personnel

List all personnel associated with the project

a. Co-investigator

Name		Department	
Email		Phone Number	
Date of Biosafety Training			

b. Student Researcher

Name		Department	
Email		Phone Number	
Date of Biosafety Training			

Will this project be used as a thesis or dissertation proposal, directed research, independent study or research paper? Yes No

If yes, submit an electronic copy of that proposal/paper as part of the IRBnet package

c. Other Personnel

All personnel should complete biosafety training offered by URI EHS.

Name	Position	Date of Biosafety Training

Describe any relevant experience for key personnel	
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Section 3 - Description of Research

a. Please provide a brief description of the goals of the Biological Research. Write for non-specialists.

b. Provide a detailed description of specific experiments you will be conducting, focusing how the infectious agent, rDNA materials, human or nonhuman primate materials, or toxin will be used. **If conducting more than one experiment, list them as A, B, C, etc. in order for the committee to easily distinguish between the procedures.**

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Use the space provided below to continue your answer to question b if necessary.

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Section 5 - Research with Potentially Infectious Agents

Complete this section if you are working with potentially infectious agents (regardless of the pathogenicity to humans or animals). Provide the information requested below for each agent.

a. Name of agent(s):

b. Source of agent(s)

c. Is antibiotic resistance expressed? Yes If yes, describe:
 No

d. Is toxin produced? Yes If yes, describe:
 No

e. Largest volume of agent cultured?

f. Is agent concentrated? Yes If yes, what is the highest concentration?
 No

g. Describe how agent(s) will be inactivated (e.g., bleach, autoclave). Describe specific parameters (e.g., disinfectant concentration)

h. Will the agent be introduced into animals? Yes
 No

Don't forget to upload your spill protocol and other relevant SOPs.

i. If yes to h, describe administration of agent to animal including route of administration (e.g., IM, IP, IV), dose, and any special housing requirements.

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Section 6 - rDNA / Synthetic Nucleic Acids Research

NIH requires that Principal Investigators indicate the Section of the NIH Guidelines that covers their research. For specific language from the NIH, refer to the [NIH Guidelines](#).

NIH Guideline Section	Example(s)
<input type="checkbox"/> Section III-A	Transfer of a drug resistant gene into a microorganisms that do not acquire the gene naturally that could compromise the use of the drug to control disease in humans, veterinary medicine or agriculture.
<input type="checkbox"/> Section III-B	Cloning of genes for toxins with LD50 of > 10 ng/kg body weight.
<input type="checkbox"/> Section III-C	Deliberate transfer of recombinant DNA, or DNA or RNA derived from recombinant DNA, into human research participants (human gene transfer)
<input type="checkbox"/> Section III-D	Introduction of rDNA or synthetic nucleic acid molecules into risk group 2 agents. rDNA from Risk Group 2, 3, 4 or restricted agents or use as host vector systems. Some experiments involving whole animals or plants. Large scale experiments. (e.g, use of adenoviral vectors, lentiviral vectors, retroviral vectors)
<input type="checkbox"/> Section III-E	Experiments involving formation of rDNA or synthetic nucleic acid molecules containing no more than 2/3 of the genome of any eukaryotic virus. Some experiments with whole plants. Creation of transgenic rodents that require BSL1 containment.
<input type="checkbox"/> Section III-F	Experiments involving rDNA that are not in organisms or viruses.

Generation and Use of Non-viral rDNA

Briefly list specific host(s), vector(s), DNA and proteins that will be produced. Typically this work falls under Section III-E or III-F of the NIH Guidelines. Please ensure that Section C describes their use

a. Describe host cells (e.g., E.coli K12)

b. List vectors/plasmids:

c. What genes will be inserted DNA?

d. What are the gene product effects?
(e.g., physiological activity, oncogenic potential)

e. Protein produced (if applicable)

f. Other Information (e.g., introducing rDNA to animals)

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Section 7 - Research with Human or Nonhuman Primate Materials

Complete this section if you are working with human or nonhuman primate materials (e.g., blood, tissue, cell lines, other potentially infectious materials as defined by [OSHA](#))

a. Identify the type (e.g., blood, cell line, tissue) and source (e.g., vendor, colleague) of the materials to be used. For cell lines, indicate if the cells are established or primary.

b. List any information that may be relevant to the infectious risk of the materials to be used (e.g., known to be infected with specific agent, known to be tested for presence of bloodborne pathogens)

c. Will sharps be used with the materials?

Yes

No

If yes,
describe:

d. Describe how agent will be inactivated (e.g., bleach, autoclave). Describe specific parameters (e.g., disinfectant concentration)

e. Will the human or nonhuman primate material be introduced into animals?

Yes

No

Don't forget to upload your spill protocol and other relevant SOPs.

f. If yes to e, describe administration of material to animal including route of administration (e.g., IM, IP, IV), dose, and any special housing requirements.

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Section 8 - Research with Biological Toxins

Complete this section if you are working with a toxin of biological origin, subject to the [Select Agent Regulations](#).

a. Identify the toxin, source (e.g., vendor, colleague), and largest quantity of toxin in use and stored.

b. Describe how the toxin will be stored.

c. Describe the toxin deactivation/disposal procedures.

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Section 9 - Certifications and Endorsements by Principal Investigator

To indicate agreement, check each statement and sign below

To the best of my knowledge the information provided in this protocol form is complete and accurate and that this application accurately and completely reflects the Biological Research described in my full grant applications (if applicable).

I am familiar with and agree to abide by the University's policies for research with potentially biohazardous materials, as based on the provisions of the *NIH Guidelines* and the *Biosafety in Microbiological and Biomedical Laboratories (BMBL)* 5th Edition.

I understand that failure to comply with the *NIH Guidelines*, may jeopardize my research grants and those of others at the University regardless of the funding sources for my research.

I am trained in good microbiological techniques and will ensure that all laboratory staff involved with this research are adequately trained and have completed University sponsored biosafety training and laboratory and project specific training and any additional training, instruction, and supervision needed to work safely with the biological agents and materials involved.

I understand that I am responsible to report immediately to the IBC any significant violations of the NIH Guidelines, problems with containment, and any significant research-related accidents or illnesses.

I agree to notify the IBC of changes in the research described in the application and will submit a revised IBC Registration to the IBC for review.

Principal Investigator Sign-Off

Please print name

Print the form for
your records