

Lewis-Clark State College
Institutional Biosafety Committee
Application for approval of activities involving recombinant DNA

In compliance with the NIH [Guidelines for Research Involving Recombinant DNA Molecules](#), this form registers your project with the Lewis-Clark State College Institutional Biosafety Committee (IBC) for the review process. Projects subject to IBC review include those that involve recombinant DNA or infectious agents.

- Recombinant DNA molecules are defined as either:
 1. molecules that are constructed outside living cells by joining natural or synthetic DNA segments to DNA molecules that can replicate inside a living cell, or
 2. DNA molecules that result from the replication of those described in (1).

Synthetic DNA segments which are likely to yield a potentially harmful polynucleotide or polypeptide (e.g., a toxin or a pharmacologically active agent) are considered as equivalent to their natural DNA counterpart. If the synthetic DNA segment is not expressed in vivo as a biologically active polynucleotide or polypeptide product, it is exempt from the NIH Guidelines. Genomic DNA of plants and bacteria that have acquired a transposable element, even if the latter was donated from a recombinant vector no longer present, are not subject to the NIH Guidelines unless the transposon itself contains recombinant DNA.

- Infectious agents are defined as those biological agents, both pathogenic and non-pathogenic, known to infect human as well as selected animal agents that may pose theoretical risks if inoculated into humans.

This application should be submitted via e-mail to:

Matthew A. Johnston, Committee Chairperson at majohnston@lcsc.edu

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Primary Investigator	
e-mail	
Office Location and Phone	
Research Lab Location	
Division	

Brief Title of Project or Activity:

Brief description of project/activity in plain English:

In what room(s) do you plan to work with, store or dispose of recombinant DNA?

What vector(s) do you plan to use? Give the class, vector name, and vendor or other source.

What gene(s) do you plan to use? Be sure to include the source organism.

What host organism(s) do you plan to use? (

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Please provide a brief description of how you plan to use the recombinant genes.

- State whether this activity will be used in an instructional manner (for a class) and/or for research purposes.
- Also state the appropriate Biosafety Level for the project.
- Include a brief description of how accidents involving the recombinant DNA material and/or vector host organisms will be handled (e.g. applying bleach to the benchtop area of a small spill; autoclaving soil containing recombinant seeds).

Procedures should be in compliance with the [NIH GUIDELINES FOR RESEARCH INVOLVING RECOMBINANT DNA MOLECULES.](#)

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Safety assessment and signatures

Please check all that apply:

- I have read and understood the precautions detailed in the [NIH GUIDELINES FOR RESEARCH INVOLVING RECOMBINANT DNA MOLECULES](#) and I have identified the appropriate Biosafety Level for the proposed project. A description of the project-specific risks and precautions is attached.
- I will report to the IBC any change in the class of vector used.
- I will report to the IBC any change in the source organism(s) used in this project.
- I will report to the IBC any change in the host organism(s) used in this project.

Signature of PI _____

Date: _____

IBC Action:

- Project approved as presented.
- Project approved with modifications.
- Additional information requested.
- Approval denied.

Signature of IBC Chair _____

Date _____