

**Attachment G.
Research Organisms – Vertebrates, Invertebrates, or Plants**

Check all that apply. Make sure to include details in the attached SOP.

- We will be introducing materials into research organisms (Complete Table I)
 - We will be introducing recombinant or synthetic nucleic acid molecules into research organisms. (Complete Tables II-III (animals – vertebrates or invertebrates) or Tables IV-V (plants) and [Attachment A](#))
 - We will be introducing infectious materials into research organisms. (Complete Tables II-III (animals – vertebrates or invertebrates) or Tables IV-V, and [Attachment B](#))
 - We will be introducing unfixed human or non-human primate organs, tissues, or cell cultures (OTCC) into research organisms (Complete Tables II-III (animals – vertebrates or invertebrates) or Tables IV-V (plants), and [Attachment C](#))
- We will be using transgenic animals (vertebrates or invertebrates)
 - We will be creating transgenic animals (vertebrates or invertebrates)
 - We will be purchasing or obtaining transgenic animals (vertebrates or invertebrates) from another group
 - We will be breeding transgenic animals (vertebrates or invertebrates)
 - We will be transferring transgenic animals (vertebrates or invertebrates). Describe below and list prospective recipients:

Transgenic drosophila are shared upon request with other academic researchers

- We will be using transgenic plants
 - We will be creating transgenic plants
 - We will be purchasing or obtaining transgenic plants from another group
 - We will be transferring transgenic plants. Describe below and list prospective recipients:

Click or tap here to enter text.

- Work requires a USDA-APHIS Permit.
- We will be performing safety tests or screening for pathogenic or infectious agents before or after inoculation into animals (vertebrates or invertebrates).

A Standard Operating Procedure (SOP) must be attached that describes the work with research organisms. Describe the species, transporting, and decontamination methods, if applicable. For transgenic/genetically modified plants, describe any special growth requirements and whether recombinants are expected to be more pathogenic, as well as the transformation method used, the gene information, and containment requirements. A detailed step-by-step protocol is not necessary, but provide sufficient information on your procedures so that the committee can identify the steps that involve the greatest likelihood of worker or environmental exposure. Include the steps that will be conducted in a biological safety cabinet. Consult the SOP template for other required components.

I.A. Research Organism (Vertebrates, Invertebrates, Plants)

| Research Organism (Genus, species, strain) | Recipient of: (include source name of the agent) | | | | Administration Route | Max. Conc. Administered | Max. Vol. |
|---|---|---|--|--|--------------------------|-------------------------|-----------|
| | Recombinant DNA Construct (germ line /somatic?) | Other nucleic acid molecule (describe) | Microbe (only if microbe will be injected into research organism) | OTCC (unfixed human or non-human primate organs, tissues, or cell cultures) | | | |
| <i>Aedes aegypti</i> | NA | double stranded RNA | NS | NA | injected into mid thorax | 1.2 ug | 0.2 uL |
| <i>Drosophila melanogaster</i> | Various insertions to alter signaling pathways using pUAST plasmid (germline) | NA | NA | NA | Outsourced | | |
| | | | | | | | |
| | | | | | | | |

 N/A

I.B. Research Organism - Infectious Agent Details

| Species of Animal (vertebrates and invertebrates)/ Plant | # of Animals/ Plants | Infectious Agent | Duration of Infectivity | Route of Shedding/ Excretion & Interval |
|--|----------------------------|------------------|-------------------------|--|
| | | | | |
| | | | | |

 N/A

II.A. Animal (Vertebrate and Invertebrate) Containment During Agent Introduction

| Species of Animal (vertebrate and invertebrate)/Strain | Biological Agent or recombinant DNA (include source details) | Containment/Locations | | | | | |
|---|---|-----------------------|-----------|-------------------|-----------|-----------------|-----------|
| | | Prior to procedures | | During Procedures | | Post Procedures | |
| | | BSL/ABSL | Bldg/Room | BSL/ABSL | Bldg/Room | BSL/ABSL | Bldg/Room |
| | | | | | | | |
| | | | | | | | |

| | |
|---|---|
| <input type="checkbox"/> N/A | II.B. Animal (Vertebrate and Invertebrate) Housing Post Administration |
| After delivery of agents, animals (vertebrate and invertebrate) will be housed in (check all that apply): <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Separate cages from other animals <input type="checkbox"/> Well-labeled cages indicating possible hazards to animal staff <input type="checkbox"/> Micro-isolator cages <input checked="" type="checkbox"/> Conventional/ABSL-1 facility <input type="checkbox"/> ABSL-2 facility <input type="checkbox"/> ABSL-2 facility for 72 hours, then transferred to ABSL-1 facility <input type="checkbox"/> Live animals will not be returned to animal facilities after delivery <input type="checkbox"/> Other (specify): Click or tap here to enter text. | |

| <input type="checkbox"/> N/A | III. General Animal (Vertebrate and Invertebrate) Housing or Handling | | | |
|------------------------------|--|---|--------------------|--------------|
| Bldg/Room | Species | Procedures (i.e., breeding, handling, injections) | Shared room? (Y/N) | Proposed BSL |
| DH 608A | Aedes aegypti, Drosophila melanogaster | breeding, handling, injections, dissection | N | 1 |
| | | | | |
| | | | | |

| <input checked="" type="checkbox"/> N/A | IV. Plant Research Organism | | | | |
|---|------------------------------------|---|----------------|-------------------------------|--|
| Species of Plant | Transgenic (Y/N) | USDA-APHIS Permit/Notification (Type, Number) | | Noxious Weed (US or CA) (Y/N) | Method of Reproduction (self, wind pollinator, insect pollinator, human intervention required) |
| | | (Y/N) | (Type, Number) | | |
| | | | | | |
| | | | | | |
| | | | | | |

| <input checked="" type="checkbox"/> N/A | V. Plant Growth and Housing | | | |
|---|------------------------------------|----------------------------------|--------------------|--------------|
| Bldg/Room | Plant | Stage of growth (i.e., seedling) | Shared room? (Y/N) | Proposed BSL |
| | | | | |
| | | | | |
| | | | | |