**Vertebrate Animals**

Instructions: (**Remove all blue text after completing this attachment**. Upload this attachment as a PDF to Kuali.).

Who must complete the “Vertebrate Animals” attachment:

Include a “Vertebrate Animals” attachment if you answered “Yes” to the question “Are Vertebrate

Animals Used?” on the R.220 - R&R Other Project Information Form.

Format:

Attach this information as a PDF file. See NIH's Format Attachments page.

Do not use this attachment to circumvent the page limits of the Research Strategy.

Content:

If live vertebrate animals are involved in the project, address each of the following criteria:

1. Description of Procedures: Provide a concise description of the proposed procedures to

be used that involve live vertebrate animals in the work outlined in the “Research

Strategy” attachment. The description must include sufficient detail to allow evaluation

of the procedures. Identify the species, strains, ages, sex, and total numbers of animals

by species, to be used in the proposed work. If dogs or cats are proposed, provide the

source of the animals.

2. Justifications: Provide justification that the species are appropriate for the proposed

research. Explain why the research goals cannot be accomplished using an alternative

model (e.g. computational, human, invertebrate, in vitro).

3. Minimization of Pain and Distress: Describe the interventions including analgesia,

anesthesia, sedation, palliative care and humane endpoints that will be used to minimize

discomfort, distress, pain, and injury.

Each of the criteria must be addressed. Failure to adequately address the criteria may negatively

affect the application’s impact score. In addition to the 3 criteria above, you should also:

l Identify all project performance (or collaborating) sites and describe the proposed

research activities with vertebrate animals that will be conducted at those sites.

l Explain when and how animals are expected to be used if plans for the use of animals

have not been finalized.

See the following pages for more information:

l NIH’s Office of Laboratory Animal Welfare website

l NIH's Vertebrate Animals Section Worksheet