

<b>Policy Title:</b>	<b>4.g Policy on Research Involving Animals, Biohazards Agents, or Radioactive Materials</b>		
<b>Policy Number:</b>	RS-PO-4G	<b>Date Created:</b>	15-02-2023
<b>Responsible:</b>	Vice President Research and Excellence	<b>Approved by:</b>	Board of Trustees

**Purpose**

The purpose of this policy is to provide guidelines to the CUD community for conducting research involving humans, Biohazards Agents, or Radioactive Materials.

**Scope**

This policy applies to all the CUD community who are involved in research involving humans, Biohazards Agents, or Radioactive Materials.

**Policy Statement**

An animal care protocol must be approved before starting any experiments at CUD. Please e-mail or send a copy of the protocol to the Vice President Research and Excellence, who will file it and forward it to the members of the Research Ethics Committee. The committee members, either individually or through the chair may request additional information of the applicant. At meeting, the information is reviewed and the protocol is either accepted, rejected or sent back for clarifications or revisions. Protocols are kept on file electronically for administrative purposes. Please note that the members of the Ethics Committee require protocols in hand a minimum of seven days prior to the meeting, otherwise your protocol may be delayed.

The intent of these reviews and documentation is to promote sound science with proper, healthy animal care and not create barriers in scientific research.

In order to meet UAE laws and international standards for animal welfare, each protocol must contain the following information.

**Animal Care Protocol Outline**

Complete the protocol, use the following headings, adding space as necessary.

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**Project Title**

**Project Leader**

_____	_____	_____	_____
Name	Program/School	Phone	e-mail

**Principal Investigators**

_____	_____	_____	_____
Name	Program	Phone	e-mail

**Project**

Start date	End date
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**Course or Granting Agency**

Funding approved:	Yes	No	Pending
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**Scientific Merit Peer Review**

Yes	No	Not applicable
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Comments:

**Animal Type** (species, strain, transgenic type) and Numbers of animals needed for Project (Explain rationale for species used and animal numbers requested)

**Anaesthetics** (In each applicable case, specify agents, dose and route) (recovery or no recovery expected) (*justification if not to be used*)

**Analgesics** (In each applicable case, specify agents, dose and route) (pre and/or post operative) (*justification if not to be used*)

### Other drugs or chemicals Involved

Drug

Dose

Route

Purpose

**Procedure** (Specify all details on animal manipulation as well as follow up care and maintenance) (Use more space when necessary)

**Hazards** (Indicate any use of hazardous material e.g. infectious, radioactive, biohazardous, which may pose a risk of contamination to personnel. Institutional approval of their use should be indicated. Specify necessary precautions required in the housing and handling of the animals as well as disposal of animals and animal use. Indicate your experience in these areas.)

### Level of Invasiveness

Level A..... B.....C .....D ..... E.....or combination (give details)

**Method of Euthanasia** (death) (Any method other than drug overdose, CO<sub>2</sub> or any approved method as per the international standards for animal welfare and UAE laws by species *must be detailed and justified.*)

**Endpoint** (Description of the point at which an animal should be euthanized due to distress as per the international standards for animal welfare and UAE laws. An animal displaying irreversible distress (suffering) should be euthanized before the point of death.

**Replacement, Refinement, or Reduction Efforts:** (Describe any efforts in replacement or refinements of your animal model and reduction in animal numbers. *If the three 'R's are not to be employed, explain why.*)

**Wildlife Studies:** (Describe *capture, restraint, transportation and/or housing of animals used in field studies as well as any other information pertinent to field studies, such as capture of non-target species and potential injuries or mortality during capture or transportation, if relevant.*)

### Rationale for Research or Pedagogical Merit for Teaching

**Non-technical Rationale:** (A lay person should be able to understand the gist of the experiment in this section)

**Relevant References:** (Please give references related to your study, particularly animal manipulation procedures)

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You may use your preferred format. You must, however, ensure that all of the above sections are included or the protocol will be returned.

**Animals must not be ordered unless the protocol has been accepted and the animal care technologists have been informed for proper preparation of your order. Failure to do so will result in animals being returned to sender at your expense.**

**Formal Request for Annual Renewal of Ongoing Animal Care Protocol**

(Please fill document and send to **Vice President Research and Excellence** for distribution to the Research Ethics Committee.)

Principal Researcher: \_\_\_\_\_  
Protocol Number: \_\_\_\_\_  
Date: \_\_\_\_\_  
Title of Protocol \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Brief review paragraph of protocol: (add a sheet if necessary)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Intentions: (check one)  
I wish to renew \_\_\_\_\_ I do not wish to renew \_\_\_\_\_  
Number of animals to be used in current year \_\_\_\_\_

Changes to protocol (if any) (A new protocol must be submitted if there are major changes to the protocol).

**Research Involving Biohazards Agents, or Radioactive Materials**

All Researchers who are conducting, or who propose to conduct research involving Biohazards Agents must adhere to the standards as per the laws and regulations in UAE related to Biosafety and Biosecurity and international standards.

The signature of the institutional authorities on the research proposal/ grant application signifies that the institution agrees to release funds only to researchers who have the necessary certification.

Research involving Radioactive Materials, or propose to conduct, research using radioactive materials must comply with the UAE’s laws and regulations concerning nuclear safety and radiological protection standards, and international nuclear safety standards.

*Note: This policy was taken and largely adapted from the Laurentian University Policy on Animal Care with the University permission.*

**Policy Revision History**

Version No.	Update Brief	Approved Date
V1.0	New policy	13-03-2023