The University Animal Care Committee (UACC) is an animal ethics committee, responsible for the review and approval of protocols proposing the use of animals for research, teaching or testing, to assure that the welfare of these animals is a prime consideration in their procurement, care and use and that the highest ethical standards, as defined by the Canadian Council on Animal Care (CCAC), are observed.

1. **PREAMBLE**

The Queen’s University Animal Care Committee (UACC) was originally established in 1971 pursuant to the Animals for Research Act, 1968-69 and Regulations 1971, and its Terms of Reference were published in the Queen’s Gazette, Volume 3, No. 20 (June 9, 1971). The Terms of Reference were amended in 1980 to reflect a change in administrative responsibility to the Dean of the Faculty of Health Sciences. The Terms of Reference reflecting this change were published in the Queen’s Gazette, Volume 12, No. 23 (June 10, 1980). The Terms of Reference were subsequently revised in September 1993, September 1997, August 2000, November 2003, and March 2005 (to revise the Committee’s Appeals Process), September 2006 (to reflect the revised CCAC policy statement on: the Terms of Reference for Animal Care Committees.), January 2008 (to revise membership terms and quorum), February 2009 (to revise membership terms), August 2010 (to revise the protocol renewal review process); January 2013 (to include university sanctioned events involving live animals and clarify the role of the quality assurance program and QA Coordinator); June 2015 (to reduce biology representation supporting the Faculty of Arts & Science from two to one and to change the process regarding level D protocol renewal reviews) and in September 2015 to provide direct links to existing UACC policies where appropriate; to further emphasize the communication lines between the UACC and the Senior Administration and to clarify the areas covered in the Policies and Procedures of the UACC document (as per the recommendation of the CCAC). The current terms were revised in June 2016 to reduce Faculty of Health Sciences representation from six to four. These Terms of Reference are subject to review every three years.

2. **MISSION STATEMENT**

The office of the University Animal Care Committee is a service oriented office, reporting to the Vice Principal, Research which strives to provide leadership and to support and encourage the highest standards of animal welfare regarding the use of animals in research, teaching, testing and events or demonstrations sanctioned by the University.

Objectives:

1. To assure that the use of animals at Queen’s University follows all guidelines and legislation of the Animals for Research Act (Ontario). And to assure that the welfare of the animals in their procurement, care, and use be of the highest ethical standards, as defined by the Canadian Council on Animal Care.

2. To teach and promote the ethical use and management of animals in research, by providing training opportunities to personnel engaged in the care and research of animals.

3. To encourage good communication between the investigators and instructors at Queen’s University and the University Animal Care Committee and to work with investigators and instructors to create a research and teaching environment that promotes animal welfare.

4. To work with the Canadian Council on Animal Care (CCAC) and the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) to assure that all animal care facilities meet or exceed all guidelines and legislation, and to report accurate numbers of animals used in research and teaching to these agencies.

3. **OFFICERS AND MEMBERSHIP**

The University Animal Care Committee shall consist of the following:

- A Chairperson who shall be appointed by the Principal on the advice of the Vice-Principal, Research. The Chair
shall not be directly involved in the management of the animal care facilities, nor be the consulting veterinarian for Queen’s University nor be involved in the preparation of a significant number of the protocols to be reviewed by the UACC, in order to avoid potential conflicts of interest.

- An ex-officio UACC Coordinator to be provided by the Vice Principal, Research.
- Four members of the Faculty of Health Sciences, elected by the Faculty Board, supporting a range of research fields and models.
- At least two members of the Faculty of Arts and Science, including one from the Department of Psychology and one from the Department of Biology, selected by the respective Department Heads.
- Four members-at-large and/or representatives of other Faculties, Groups, or Institutions as may be appointed by the Principal on the advice of the Vice-Principal, Research. At least one shall be an institutional non-animal user. At least one shall be a member of the community having no conflicting affiliation with the University and who is not involved in animal use for research, teaching or testing thus compromising their role.
- One member representing technical staff (an animal care technician, or animal research technician).
- Ex-officio members consisting of the Director of Veterinary Services; the Director of Environmental Health & Safety (or delegate); and a representative of the Vice-Principal, Research; and at least one animal facility manager. Ex-officio members shall be voting members.
- At least one graduate student appointed in consultation with the Graduate Student Society.

3.1 Members shall take all reasonable efforts to protect the confidentiality of the nature and purpose of the research it oversees except in the case of documented willful or repeated neglect of responsibilities.

3.2 Members serve for a period of three years (unless otherwise stated in their appointment letter) and may be re-appointed for a second term (no more than 6 consecutive years).

3.3 A quorum is established when 50% of members, including at least 2 animal using faculty members excluding the Chair, at least one community member, and the University Veterinarian (or delegate) are present. Decisions are made by consensus. Meetings shall be scheduled on a monthly basis at times that are convenient for all members, especially community representatives.

3.4 Appeals of negative decisions made by the UACC may be made according to the procedure outlined in the Policies and Procedures document of the UACC.

4. AUTHORITY

The University Animal Care Committee (UACC) is an animal ethics committee reporting to the Principal through the Vice Principal, Research, which is mandated by the Animals for Research Act (OMAFRA), and the Canadian Council on Animal Care (CCAC). The UACC has the authority, on behalf of the Vice Principal, Research who is responsible for animal care and use for the institution, to:

a) Stop any objectionable procedure if it considers that unnecessary distress or pain is being experienced by an animal.

b) Stop immediately any use of animals, which deviates from the approved use, any non-approved procedure, or any procedure causing unforeseen pain or distress to the animals.

c) Have an animal killed humanely if pain or distress caused to the animal is not part of the approved protocol and cannot be alleviated.

4.1) The Chair of the UACC and the Veterinarian(s) must have access at all times to all areas where animals are or may be held or used.

4.2) The UACC in conjunction with the Quality Assurance/Training Coordinator is responsible for determining and working to correct breaches of compliance with approved animal use protocols and standard operating procedures (SOPs). Breaches
of compliance that cannot be corrected by the UACC working with the concerned animal users, the Veterinarian, Quality Assurance /Training Coordinator and animal care staff must be referred to the Senior Administration (Vice Principal, Research), who must inform all members of the animal care and use program about sanctions that will be taken by the administration in the event of serious breaches of compliance. Please see the UACC Policy on the Quality Assurance Program at Queen’s for more information.

4.3) The UACC recognizes that the University Veterinarian is often the major operational figure in the work of the UACC. Therefore, the UACC delegates to the University Veterinarian the ongoing authority to act on behalf of the institution and the UACC to ensure proper care and treatment of animals, and is given the authority to intervene whenever necessary. The University Veterinarian will advise the UACC of emergency actions taken on its behalf.

5. RESPONSIBILITY

As detailed in the CCAC’s Terms of Reference for Animal Care Committees (Revised March 2006), it is the responsibility of the UACC to:

a) Ensure that no research or testing project or teaching program (including field studies) involving animals be commenced without prior UACC approval of an animal use protocol (AUP); further to this, that no animals be acquired or used before such approval. This includes work carried out by all members of Queen’s University who use animals for research, teaching or testing. Therefore, a Queen’s researcher who wishes to carry out animal-based work within a host institution’s facilities must first submit an animal use protocol to the UACC. The UACC can then review and approve the protocol in principle, conditional to the approval of the protocol by the host institution’s ACC. The host institution’s ACC must approve the protocol before the protocol can begin, and normally before animals are acquired. The UACC must be informed of the host institution’s decision and of any relevant conditions or details accompanying the decision. Researchers from other institutions who apply to use the Queen’s University Biological Station (QUBS) or another Queen’s animal care facility must provide the UACC with copies of their approved protocols (by home institution) for review and approval by the UACC. See the UACC Policy on Research Involving Two or More Institutions.

b) Ensure that no animals be held for display or breeding purposes, or for eventual use in research, teaching or testing projects, without prior UACC approval of an animal use protocol (AUP), except where current CCAC guidelines provide for exemptions. The UACC should also be aware of other animal based activities, such as commercial or recreational activities, within the institution and should work with the persons responsible for these activities to ensure that animal care and use is undertaken according to appropriate procedures. See the UACC Policy on Activities Involving Live Animals - Including Demonstration.

c) Require all animal users to complete an animal use protocol (AUP) form detailing the research at hand. To facilitate the work of both protocol authors and UACC members, appropriate SOPs should be referred to as much as possible. Approved protocols and SOPs should be readily available in the areas where animal based work is taking place.

d) Ensure that each research project has been found to have scientific merit through independent peer review before approving the project. See the UACC Policy on Ensuring Scientific Merit of UACC Protocols.

e) Review and assess all animal use protocols, and, where necessary, require further supportive information from the investigator/teacher or meet with the investigator/teacher to ensure that all members of the Committee understand the procedures to be used on the animal. The Committee must also ensure that all procedures comply with CCAC guidelines, and, if at variance with those guidelines, require justification for the variance on scientific grounds.

f) Ensure that animal users update their protocols with any modifications they intend to make and approve any modifications to a protocol by formal amendment before they are implemented. Amendments will be classified as administrative, minor or major. See the UACC Policy on Protocol Amendments for full definitions and procedural descriptions.

g) Review all protocols annually, i.e., within a year of commencement of the project. Annual renewals with a stress level of B-D will be assigned to the UACC Subcommittee for review. The actions of the UACC Subcommittee will be
presented monthly to all Committee members in a Subcommittee Review Report. This report will be reviewed and approved by the UACC therefore granting full committee approval of these renewals.

   i) The submission of a new protocol after a maximum of three consecutive renewals is required.

h) Document all UACC discussions and decisions in the Committee minutes and on attachments to the protocol forms. UACC minutes will be made readily available to all members of the UACC and to the senior administration responsible for animal care and use.

i) Define an institutional appeal mechanism that can be used by the author of a protocol in the event that animal use is not approved by the UACC.

j) Ensure that all animal users have the opportunity to become familiar with the CCAC's Guide and the CCAC policy statement on: ethics of animal investigation and all other CCAC guidelines and policy statements, federal, provincial or municipal statutes that may apply, as well as institutional requirement.

k) Ensure appropriate care of animals in all stages of their life and in all experimental situations. Veterinary care must be available.

l) Establish procedures, commensurate with current veterinary standards, to ensure that:

   i) unnecessary pain or distress is avoided, and animal stress and injuries are avoided, whether during transfers of animals or in their normal quarters;

   ii) anesthesia and analgesia are properly and effectively used; the only exception to this may be when agents must be withheld as a scientifically justified requirement of the study, and that this has been approved by the UACC. Painful studies requiring exemption from the use of either anesthetics or analgesia must be subject to particular scrutiny, not only prior to approval, but also during the experiment;

   iii) appropriate postoperative care is provided;

   iv) all due consideration is given to animal welfare, including environmental enrichment.

m) Ensure that policies to provide for a system of animal care that will meet the needs of the institution are established and implemented, and include:

   i) the requirement that all animal care and animal experimentation are conducted according to CCAC guidelines and policies, and to federal, provincial and institutional regulations that may be in effect;

   ii) ensuring adequate animal care and management of the animal facilities, in particular by verifying that there is a person clearly designated to be in charge of animal care and management of the animal facilities, who should be a member of the UACC, and who should keep the other UACC members updated on the activities within the animal facilities;

   iii) the training and qualifications of animal users and animal care personnel; veterinarians and animal care staff (see the UACC Policy on Animal User Training);

   iv) an occupational health and safety program for those involved in animal care and use, in collaboration with the institutional authorities on occupational health and safety, that will appropriately protect all those who may be affected by animal based work;

   v) standards of husbandry, facilities and equipment;

   vi) standard operating procedures (SOPs) for all activities and procedures that involve animals, including animal care and facility management SOP’s (typically produced by the veterinary and animal care staff), and animal use SOP’s (typically produced by animal users, in collaboration with veterinary/animal care staff as needed); the UACC should receive all SOP’s and ensure that all necessary SOP’s are produced and regularly reviewed;

   vii) procedures for euthanasia (see the UACC Policy on Euthanasia of Animals Used in Science).

n) Encourage the use of pilot studies with few animals when new approaches, methods, or products are being tried, before approving new, large scale protocols. Ensure that animal users report on the results of any pilot studies, no matter whether they wish to pursue the study immediately or not, in order to preserve important data on various approaches to animal based studies, whether they work well or not.

o) In the case of projects involving proprietary or patentable research or testing, ensure that as much information as
possible is provided to the UACC in terms of what effects to expect on animal health and welfare, and insist on close monitoring of animals.

6. ADDITIONAL DUTIES

In addition, the University Animal Care Committee:

Must regularly review:

I. Its Terms of Reference to meet new CCAC policies or guidelines and changing needs within the institution, the scientific community, the animal welfare community and society as a whole, and expand its Terms of Reference to meet the requirements of each institution;
II. the security of the animals and research facilities;
III. standard operating procedures and institutional animal care and use policies;
IV. policies and procedures for monitoring animal care and experimental procedures within the institution.

6.1) Must maintain liaison with the CCAC Secretariat.

6.2) Should consult with and identify the needs of teaching departments and investigators for healthy animals and for good quality animal care, and advise on policies appropriate to those needs.

6.3) Should undertake site visits of animal care facilities and experimental laboratories within the institution at least once a year and document these visits through the Committee minutes or written reports. (See the UACC Policy on Facility Tours and the UACC Policy on Laboratory Tours)

6.4) Should make recommendations concerning the physical facilities, standards of care, principles of operation, and funding of University Animal Care Services.

6.5) Should advise on major changes in the range and type of services provided by University Animal Care Services.

6.6) Must submit complete and accurate animal use information in the CCAC Animal Use Data Form (AUDF) format for all protocols annually (animal use information for each calendar year must be submitted by March 31 of the following year) and also in pre-assessment documentation.

6.7) Must develop a crisis management program for the animal facilities and for the animal care and use program, in conjunction with any general institutional crisis management plan(s).

6.8) Should be open to developing and maintaining communication with animal welfare organizations.

6.9) Should be prepared to cope with criticism, which may develop from time to time.

Please refer to the Policies and Procedures of the University Animal Care Committee for full details on:

- Procedures for the Use of Animals;
- Procedures of the Animal Care Committee;
- Protocol Review Process in Topaz Elements;
- Pilot Projects;
- Interim Approval;
- Appeal Mechanism;
- Conflict of Interest;
- Confidentiality