

## Template Grant Language Regarding OLAR Services, Facilities and Veterinary Care

*Please feel free to use the sections that are applicable for your grant application. Many grants only require the information on veterinary care that is contained in the second paragraph.*

The University of Colorado Denver | Anschutz (CU Denver | Anschutz) is an AAALAC Accredited (#00235), Public Health Service Assured (#D16-00171) and USDA Licensed (#84-R-0059) Institution. The Office of Laboratory Animal Resources (OLAR) is responsible for the daily husbandry and management of the animal care program for the CU Denver | Anschutz and is dedicated to the care and use of research animals. OLAR managed facilities are available on both the Denver and Anschutz and consist of 3 large vivariums totaling approximately 130,000 sq. feet of space all connected via cage wash and tunnels, as well as satellites that house rodents, reptiles, and sheep. The full-time veterinary staff is responsible for providing veterinary care to all vivarium spaces and satellites. The majority of the combined 30,000+ cage capacity facilities and satellites utilize ventilated caging to house multiple different species of rodents. Rodents are all housed in sterile caging with irradiated diets and hyperchlorinated RO water delivered primarily via an automatic watering system. The facilities have multiple procedural areas open to investigator use, as well as specialized housing areas for zebrafish, reptiles, amphibians, rabbits, chinchillas, guinea pigs, ferrets, pigs, and sheep. In addition, a surgical suite with two operating rooms, animal preparation and recovery rooms is available for large animal surgical models. The facilities also include a large number of behavior/specialized testing rooms, diagnostic laboratory, necropsy, ABSL 2/3 containment rooms, and imaging modalities including small animal ultrasound/echo, MRI, SPECT/CT, PET/CT, and IVIS. MRI, PET/CT, ultrasound/echo, x-ray, and fluoroscopy equipment are also available for larger species. Beyond technical support services that OLAR staff provide to investigators, multiple core services operate within OLAR facilities to include clinical pathology, imaging, ultrasound, altitude simulation, gnotobiotics, animal behavior, electroencephalogram, and humanized mice.

The OLAR is overseen by a full-time Director/Attending Veterinarian, a Diplomate of the American College of Laboratory Animal Medicine (DACLAM), and is supported by four additional full time veterinarians (4 DACLAM) and 16 veterinary technicians with specialty training in laboratory animal medicine, care, breeding, and management, including working with large animal surgical models. The facility has a total of 95 staff members who manage routine husbandry care, cage processing, administration, training, and animal health related aspects of the program for all CU Denver | Anschutz animal facilities. The goal of the veterinary staff is to provide investigators with healthy, properly cared for animals while ensuring the animals' welfare at all times. Veterinary care is available 24 hours a day, 7 days a week, 365 days per year with on-call schedules posted prominently in the facility and the website. All animals are observed daily by OLAR animal care staff for access to food and water, as well as health related concerns and the veterinary staff is contacted if a concern is identified. Documentation of animal evaluations, diagnosis and, if indicated, treatment, are maintained as indicated by the Animal Welfare Regulations, PHS Policy, and the Guide for the Care and Use of Laboratory Animals. Routine preventative medicine, quarantine, and health screening programs are also in place to actively meet animal welfare needs and maintain high quality animals to aid in the production of valid research from all species cared for by the OLAR. The facility is run as a specific pathogen free facility with rodent rooms using either live sentinels on a dirty bedding system or PCR via exhaust air plenum swabs in all rodent housing rooms, including those for in-house breeding and received from commercial vendors. The sentinel program tests for viruses, parasites, and bacterial agents quarterly via out-sourced serology and/or PCR.

### Template Language for Manuscripts

All animal procedures were performed in an AAALAC-accredited facility in accordance with the *Guide for the Care and Use of Laboratory Animals* (citation) and approved by the University of Colorado Denver | Anschutz Medical Campus Institutional Animal Care and Use Committee (some journals let you just state IACUC, others make you spell it out).

If the study is funded by NIH and they really want additional information, you could modify the sentence to add "in accordance with the Public Health Service Policy and the *Guide*...."

Here is the reference for the Guide –

Institute for Laboratory Animal Research. 2011. Guide for the Care and Use of Laboratory Animals, 8<sup>th</sup> ed. Washington (DC): National Academies Press.

Housing Conditions for Most Rodents (if you are unsure of the conditions that animals were housed in, please contact the facility manager or a member of the veterinary staff for your respective facility):

Light cycle: 14 light: 10 dark

Temperature: 72°F +/- 2°F

Humidity: 40% +/- 10%

Water: Hyperchlorinated (2-5 ppm) Reverse Osmosis delivered via automatic watering

Food: Teklad (Envigo) diets.

- Rodents - Standard diet (2920X). Breeder diet (2919) both irradiated.
- Guinea Pigs – 2940
- Pigs – 8753
- Rabbits and voles – 2031
- Chinchillas – Mazuri Chinchilla diet
- Zebrafish – Skretting Gemma Micro 75, 150, or 300