

## **Animal Resource Description for Grants – 2017**

*JW 9-19-17*

**Animal Resource.** The Animal Resource is a centralized resource facility with staff and programs that support the research and educational uses of laboratory animals. These facilities are fully accredited by AAALAC, International and are in compliance with state law, federal statute and NIH policy. The Division of Comparative Medicine (DCM), formerly known as Division of Laboratory Animal Medicine (DLAM) consists of 4 full time veterinarians; two board certified laboratory animal veterinarians, two additional laboratory animal veterinarians, & a staff of six trained and NYS licensed veterinary technicians. Support is provided for research with all major animal species. Services provided by DCM include colony health monitoring, quarantine services, animal acquisition from other research facilities, surgical support/anesthetic services, 24/7 on-call veterinary emergency services, clinical management of any cases of spontaneous or experimental disease, necropsy and histopathology services, training in specialized techniques (including inhalation anesthesia of all species , blood collection, aseptic surgical technique) and rodent breeding colony management for PIs. Core services provided by the Vivarium include daily husbandry practices, daily observations for health problems, special request services (special diets, water, fasting), provision of federally mandated enrichment to animals, and cage wash, autoclave and room sanitation services. Major equipment includes HEPA filtered ventilated cages & hoods for barrier maintenance of SPF mice, "gnotobiotic mouse flexible film isolator units, dedicated BSL2 mouse housing & procedural space", inhalation anesthesia machines for rodents and large animals, diagnostic "digital" X-ray machine, autoclave for surgery packs, Intensive Care Unit, CO2 euthanasia stations, MRI capabilities and a Gammacell 40 Exactor Low Dose-rate Research Irradiator for irradiation of small animals within the resource (used principally in support of bone marrow transfer studies in mice). The UR Medical Center has recently expanded large animal (sheep, pig, cattle) surgical services with long term post-operative housing available at an AAALAC accredited sister institution located 35 minutes from the university. *Director: Jeffrey Wyatt, DVM*

<https://www.urmc.rochester.edu/animal-resource.aspx>