Animal Resources Center

George Langan, DVM, DACLAM
Director, ARC and Attending Veterinarian
Associate Professor, Department of Surgery
Animal Resources Center

**Mission:** To assist investigators in performing their animal research while ensuring appropriate and humane care of all laboratory animals.
New to the ARC

- Discuss animal work prior to arrival
- IACUC protocol development
- New animal model development
- Other help

Offices in Medical Center, P-110
What We Do

• Facility Access
• Animal Purchasing
• Animal Husbandry
• Veterinary Care
• Health Monitoring
• Research Assistance
• Training

https://animalresources.uchicago.edu/
Animal Housing and Care

8 Animal Facilities
- Operations Manager
- Maintenance Staff
- Financial Manager
- Business Office Staff
- 75 Animal Care and Cage Wash Staff

- Daily animal checks
- Cage changes
- Food, water, and care
- Maintain facilities
- Sanitize equipment & caging
- Receive & transport animals
Animal Health

ARC Veterinarians

George Langan, DVM, DACLAM
Director of ARC, Associate Professor of Surgery

Marek Niekrasz, DVM, DACLAM
Carlson Large Animals Associate Professor of Surgery

Lois Zitzow, MS, DVM, DACLAM
Biosafety, HTRL, Quarantine, GCIS Associate Professor of Surgery

Betty Theriault, DVM, DACLAM
KCBD, FMI, Culver, BPSB Assistant Professor of Surgery

Craig Wardrip, DVM, DACLAM
Chief Large Animal Clinical Services Associate Professor of Surgery
Research Services

Special Services Technicians

Colony Management Procedures
- Ear tagging and punching
- Tail tattoo
- Tail biopsy
- Timed mating
- Weaning

Research Procedures
- Blood sample collection (submandibular, retro-orbital, tail vein, cardiac)
- Tissue harvest
- Injections (IV, IM, IP, SC, intranasal, intracranial, rectal catheter)
- Oral gavage
- Tumor measurements
- Behavioral testing
- Gait analysis
Research Services

Carlson Surgical Clinic

Facilities
- 3 sterile operating rooms
- 1 sterile biohazard operating room
- Can accommodate group training and imaging

Services
- Consultation in design of research
- Pre- and post-operative care
- Anesthetic administration and monitoring
- Instrument and linen sterilization
- Research animal treatment and sample collection
Training

AALAS Learning Library
Occupational Health and Safety
Barrier Facility Orientation
Rodent Euthanasia
Aseptic Technique for Rodent Survival Surgery
Training can be tracked in AIMS.

ARC Veterinary Staff
NHP Orientation
Proper Anesthesia, Analgesia, and Euthanasia
Animal Handling and Procedure Training

And Anything Else Necessary for Your Research…Just ask!
Resources

- ARC Website https://animalresources.uchicago.edu
  - Training materials
  - Grants help
  - ARC Disaster and Emergency Plan
  - Animal Activist Preparedness Committee

- IACUC website https://researchadmin.uchicago.edu/iacuc
  - Policy and procedure manual
  - IACUC protocol forms
  - Training and Resource information