

# VETERINARY RESOURCES/PROGRAM OF COMPARATIVE MEDICINE

## CIBR: Center for Innovative Biomedical Resources

The University School of Medicine Program in Comparative Medicine was established in 1989. All Program faculty members hold joint appointments in other departments; conduct independent and collaborative research; and have expertise in the fields of clinical laboratory animal medicine, surgery, comparative pathology, microbiology, immunology, genetics and infectious diseases.

Comparative Medicine faculty members are available for consultation on animal research protocols, laboratory animal management and development of grant applications proposing the use of animals. Members participate in the teaching of medical students, graduate students, and postdoctoral fellows and provide postdoctoral residency and graduate training programs for veterinarians in the fields of Laboratory Animal Medicine and Veterinary Pathology.

As members of the University of Maryland School of Medicine's Veterinary Resources, we also provide veterinary supervision for husbandry and health care related to facilities management, diagnosis, treatment and prevention of intercurrent disease in research animals.



### MISSION

Our mission is to study the characterization of animal models of human disease; provide accredited services for laboratory animal care through collaborative research, professional development of veterinarians through specialty training with American College of Laboratory Animal Medicine (ACLAM); achieve continuous certification through compliance with The Association for Assessment and Accreditation of Laboratory Animal Care International (AAALACi), the United States Department of Agriculture (USDA); and the Office of Laboratory Animal Welfare (Public Health Service, NIH) and to act as a resource for information and instruction on the use of laboratory animals.

### CORE SERVICES

- Wide range of animal models from mice to non-human primates for biomedical research
- GLP support for FDA/EPA-regulated studies
- Generation of polyclonal/monoclonal antibodies and induced pluripotent stem cells
- Maintain mouse colonies (SCID-NOD/NSG/NRG, nude, C57BL/6)
- Pre-research consultations with researchers on development of animal models
- Technical services provided for rodent procedures such as: blood withdrawal, anesthetic support, and weaning
- Hands on training course to investigators and staff on humane handling of laboratory animals

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### TRANSGENIC RESOURCES

The new, as of 2015, Transgenic Resources and the University of Maryland School of Medicine exists to facilitate all aspects of customized production of genetically engineered rodent models. Transgenic Resources has developed a partnership with Jackson Laboratories (JAX) (you may contact George Scheer, UMB, Senior Buyer, 410-706-8305, for Terms & Conditions, Pricing) which is a proven leader in conducting transgenic knockout rodent services. The services offered are extensive and include standard transgenics, nuclease-mediated (CRISPR) knockout and knock-in mouse services, as well as ES cell injections. The mission of Transgenic Resources is to ensure that these established partnerships provide the best pricing, customization and the highest product quality to support our world class research. Lou DeTolla, VMD, PhD, will serve as Director, Transgenic Resources. Lou's Ph.D. is in immunogenetics and he has directed transgenic core facilities previously, both at UMB and Merck Sharp and Dohme Laboratories.

Researchers may directly contact the following vendors (listed below) for information and quotes for generation of their transgenic model(s).

#### TRANSGENIC VENDORS

##### Jackson Laboratory

Susan Kolocotronis  
Opportunity Development Manager  
[410-926-2620](tel:410-926-2620)  
[susan.kolocotronis@jax.org](mailto:susan.kolocotronis@jax.org)

##### The Harvard Clinical and Translational Science Center

Arlene H. Sharpe, MD, PhD  
Director, BWH Transgenic Mouse Facility  
[617-432-6569](tel:617-432-6569)  
[asharpe@rics.bwh.harvard.edu](mailto:asharpe@rics.bwh.harvard.edu)

##### University of Michigan

Thom Saunders, PhD  
[734-647-2910](tel:734-647-2910)  
[tsaunders@umich.edu](mailto:tsaunders@umich.edu)

##### Ingenious Targeting Laboratory

Michael Castelli  
Scientific Strategy Consultant  
[631-468-8530 ext. 103](tel:631-468-8530)

##### Cyagen Biosciences Inc.

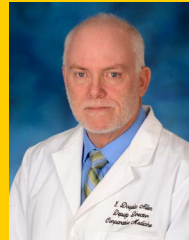
Marvin Y. Ouyang, PhD  
Vice President, Technologies  
[800-921-8930](tel:800-921-8930)  
[marvinouyang@cyagen.com](mailto:marvinouyang@cyagen.com)

#### CONTACT



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Comparative Medicine  
Chief, Veterinary Resources  
Professor of Pathology, Medicine  
(Infectious Diseases) and  
Epidemiology and Public Health

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Deputy Director  
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#### LOCATION

Room G-100, MSTF  
10 South Pine Street  
Baltimore, MD 21201  
410-706-8536 or 410-706-8537  
Fax: 410-706-8538

#### Web Address

[medschool.umaryland.edu/  
vetmedicine/vetresources.asp](http://medschool.umaryland.edu/vetmedicine/vetresources.asp)