

TECHNICAL SKILLS & SERVICES

Offered by the Division of Comparative Medicine
Contact Margi Baldwin, CVT, MS, LATG, SRS, at margaret.baldwin@moffitt.org or
Phone 745-6744 to arrange for training or specialized technical assistance.

The Training Coordinator is always available to assist with an established procedure or technique listed below, or can arrange for specialized technical assistance, or with the veterinarians and other staff can assist with the development of a unique procedure or technique that is not listed below.

Research personnel interested in having Comparative Medicine staff either assist with one of the techniques or special procedures listed below, or with training in order to independently perform an unfamiliar technique or procedure, or with developing a procedure or technique not listed below, should request guidance from the Training Coordinator at margaret.baldwin@moffitt.org or phone 745-6744.

BASIC TECHNICAL SKILLS & SERVICES – Many of the *Basic Technical Skills & Services* listed below can be arranged by directly contacting the local Facility Manager, since animal care technicians in each facility have developed expertise in these procedures.

Injections

- Intraperitoneal – all rodent species
- Subcutaneous – all species, including large air pouches in mice, rat
- Intradermal – rat, mice, guinea pig, rabbit, dog, swine
- Intracardiac – rat, mice, guinea pig, hamster
- Intramuscular – guinea pig, rabbit, dog, cat, mini-swine, goat
- Intratracheal – mice, rat
- Intrasplenic – mice, rat
- Intravenous
 - Tail vein – rat, mice
 - Cephalic and Saphenous veins – dog, cat
 - Marginal ear vein – guinea pig, mini-swine, rabbit
 - Penile vein – rat, mice, hamster

Oral Dosing (via needle/feeding tube) – all species

Bleeding Techniques

- Retro-orbital sinus – mice, rat, hamster, guinea pig
- Cardiac puncture – all species
- Posterior vena cava – all species
- Abdominal aorta – all species
- Jugular vein – rabbit, dog, goat, cat, mini-swine, rat
- Auricular artery – rabbit, mini-swine
- Cephalic vein – dog, cat
- Saphenous vein – dog, cat, mice
- Tail vein – rat

Euthanasia – all species

Ear Notching – mice, rat

Ear Tagging – mice, hamster, rat, guinea pig, rabbit

Tail Snipping – mice

Tattooing – pen – mice, rat, rabbit

ADVANCED TECHNICAL SKILLS & SERVICES – These skills and services can be arranged by contacting either the Training Coordinator at 745-6744, or the Surgical Core Manager at 974-5001.

Surgical Assistance (pre-, intra-, and/or post-operative support) – all species

- Angioplasty – rabbit
- Rodent Surgical Procedures
 - Cannulations
 - Femoral vein and artery – rat
 - Carotid artery – rat, mice, guinea pig
 - Jugular vein – rat, mice, guinea pig
 - Bile duct – rat, hamster, mice

Intestinal tract – rat, hamster
Implantations (pellet, mini-osmotic pump, vascular access port SC or IP placement) – rat, mice
Hepatectomy – rat, mice
Hippocampus removal – rat pup
Nephrectomy – rat, mice
Splenectomy – rat, mice
Endotracheal Intubation – rat, mice, rabbit, dog
Patient Monitoring (pulse oximetry) – rabbit, dog, mini-swine
General Anesthesia (injectables, inhalants) – all species
Rodent Colony Management
C-section, Re-Derivation – mice
Vasectomy, Ovariectomy - mice
Estrus Detection – mice, rat
Weaning – mice, rat
Necropsy, Organ Collection – all species
Follicle/Ova/Mesenchymal collection - mice
Oocyte collection and defolliculation – frog
Perfusion (organ-specific, systemic) – all species
Radiography, Fluoroscopy Assistance – all species
Bioluminescence Imaging – mice
Vaginal Lavage – rat, mice