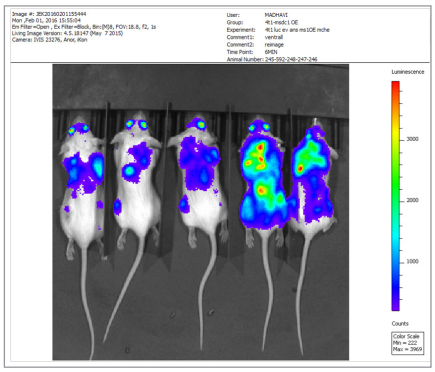
Office of
Research and Innovation spotlights...

Cancer Mouse Models Core

The Cancer Mouse Models Core (CMMC) aspires to make translational research an attainable goal for all Massey researchers. The CMMC provides expertise and services that facilitate preclinical mouse models to support the development of novel cancer therapeutics and precision medicine at VCU Massey Cancer Center.

The CMMC is designed to work collaboratively with other Massey Cancer Center core facilities, providing assistance with mouse models of cancer by using a variety of drug delivery methods, surgical techniques and animal procedures. The core also offers support with several different types of mouse models of cancer: syngeneic models, genetically engineered mice and xenograft models. The CMMC combines knowledge of preclinical drug testing and mouse models of cancer to design and perform elegant experiments that produce accurate data in a timely manner. The CMMC also provides basic histology services including tissue paraffin embedding and sectioning, tissue H&E staining, etc.



The Cancer Mouse Models Core (CMMC) is housed within the Massey Cancer Center animal vivarium. The CMMC has exclusive use of the following equipment:

- an IVIS Spectrum Preclinical In Vivo Imaging System, a state-of-the-art system for non-invasively monitoring cancer growth and migration;
- a motorized ultra-precise small animal stereotaxic instrument;
- a dedicated room containing equipment for cancer cell culture and preparation;
- software that facilitates data management and analysis.

The Cancer Mouse Models Core (CMMC) provides the following services for cancer researchers.

SERVICE	RATE*
Animal project and grant consultation free of charge/ collaboration	free of charge/
Tumor cell xenograft and tumor growth monitoring	$45
Tumor cell metastasis (intracardiac, intracranial, etc)	$45
Monitoring tumor growth by using IVIS (e.g., GFP, luciferase)	$40
Administration of chemotherapeutic agents	$45
Animal survival surgery	$45
Euthanasia and collection of tumor tissue	$45
Data analysis	$45
Patient-derived xenografts (PDX)	TBD
Nude-SCID-IL2R-Gamma (NSG) mouse supply	$25/mouse (6 wks old)
Basic histology	Vary

*Rate at per hour to be charged in 15-minute increments

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