Small Animal Imaging Core (SAIC)

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PET - CT - SPECT

Siemens INVEON Tri-Modality Imaging System

• Cardiac & Respiratory Gating Capable
• Dynamic Imaging Available
• Integral Isoflurane Anesthesia

*Contact Us for a list of Radio Tracers
PET - CT

Disease Progression
18F-FDG

Glucose Metabolism
18F-FDG

Brain Imaging
18F-FDG
CT

- Disease Detection
- High Resolution Imaging
- Bone Density Measurement
SPECT

- Molecular Theranostics
- Tumor Imaging
- Nuclear Medicine Imaging

Planar Lung Image

3D SPECT
3D X-Ray

Zeiss Xradia Versa 520

- Non-destructive Imaging
- Achievable spatial resolution 0.7 μm
- In Situ Interface Kit available
Heart
Lung
Femur
Skull with scaffold material
Heart
Optical Imaging

Perkin Elmer IVIS Lumina S5

- Luminescence
- GFP
- NIR
- 20 x 20 cm FOV
- Living Image Software
Ultrasound

Fuji Visualsonics VEVO 2100

Housed in Barrier Level Imaging Suite
SARRP
Small Animal Radiation Research Platform

- Targeted Radiation
- Treatment Planning
Services Available

- Noninvasive small animal imaging
- Physiological Monitoring
- Ex-vivo imaging
- Materials imaging
- Protocol Development
- Regulatory Approval Assistance
- Image Analysis