IN VIVO IMAGING SERVICES

EQUIPMENT

7T MRI
- Structural and functional imaging
- 30cm bore

PET/CT and SPECT/CT
- Metabolic activity and biodistribution
- Up to ~500μm resolution (SPECT)

OPTICAL IMAGING
- Bioluminescence and fluorescence imaging
- Planar X-rays

AUTORADIOGRAPHY
- High resolution (~10μm)
- Suited for low-energy radioisotopes (^3H, ^14C)

ADDITIONAL EQUIPMENT
- Workstations and processing software
- Image analysis support
- Sleep and gait assessment systems
- Dedicated housing rooms
- Surgical suite
- IHC slide scanning

Small Animal Imaging Labs
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We look forward to working with you!
APPLICATIONS
Our equipment enables research on a wide range of applications such as:

BRAIN IMAGING
Anatomy, cortical thickness, microstructure, angiography, cerebral tumours, neurodegeneration, stroke, brain activity

ONCOLOGY
Tumour volume, glucose uptake, metabolic state, metastasis detection, therapy assessment, tumour perfusion

STRUCTURAL IMAGING
Bone anatomy, lung and airways, musculoskeletal system, kidney, ureter, bladder, orthopedic implants, heart imaging

DRUG BIODISTRIBUTION
Pharmacokinetic modeling, radiolabeling of custom compounds. Available radioisotopes: $^{18}$F, $^{11}$C, $^{64}$Cu, $^{89}$Zr, $^{99m}$Tc, $^{111}$In, $^{177}$Lu, $^{123,125,131}$I

IMAGING SERVICES
The SAIL Platform is a world-class in vivo imaging facility designed to support the research activities of biomedical investigators.

Our state-of-the-art equipment and scientific expertise facilitate the translational research studies of our industrial and academic clients.

SAIL provides a comprehensive suite of imaging equipment and services. We have expertise in planning, designing and executing in vivo imaging studies, image analysis and training.

MORE SERVICES
In addition to our imaging systems, our platform enables behavioural assessment of gait and sleep.

GAIT ASSESSMENT
Unforced locomotion, 50+ gait metrics on mice and rats, wide range of applications

SLEEP ANALYSIS
Non-invasive, very easy-to-use, precise and accurate, standard cage environment

VETERINARY SERVICES
Injections, blood and bone marrow collection, perfusion