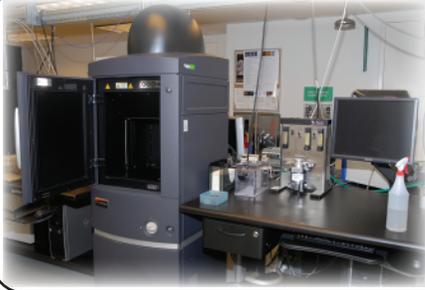


Stanford Center for Innovations in *In vivo* Imaging Service Center

Price List September 2015

All users must contact center staff for instrument training



IVIS bioluminescence/fluorescence imaging systems

Clark (IVIS 100, 200 and Spectrum): \$56/hour

SIM1 (IVIS Spectrum): \$56/hour

CMP (IVIS 100): \$56/hour

Shriram Building (IVIS Lumina): \$34/hour

Optical imaging instruments for high-sensitivity imaging of bioluminescent and fluorescent signals. Can image up to 5 mice at once.

7T MRI scanner

Clark (peak hours Mon-Fri, 8am-6pm): \$66/hour (**low rates for 2015!**)

Clark (evening hours Mon-Fri, 6pm-12am): \$44/hour

Clark (morning hours Mon-Fri, 6am-8am): \$44/hour

Clark (weekend hours Sat-Sun, 6am-12am): \$44/hour

Clark (night hours Sun-Sat, 12am-6am): \$22/hour

Bruker/Agilent high-resolution MRI system with 30cm bore.



3T/1T MRI scanner (**NEW FOR 2015!**)

Clark: \$34/hour

Cryogen-free MRI scanner for mouse imaging. Can be ramped to 1T or 3T, with mouse body coils at both field strengths, and a mouse head coil for 3T only. This instrument will move to the Porter Avenue SAIF in the spring of 2016.

Inveon MicroPET and MicroPET/CT scanners

Clark (Inveon MM-PET/CT): \$128/hour

Clark (Inveon d-PET): \$34/hour (**special rate for FY2015/16**)

3D-tomographical coincidence imaging of positron-emitting radionuclides with co-registered MicroCT (Inveon MM-PET/CT) or scatter-correction (from Co57 source, Inveon D-PET). Users must be on SAIF CRA to use, and must have completed EH&S Prog-1755 to use PET/CT.



RS150 MicroCT scanner

Clark: \$128/hour

3D-tomographical X-ray imaging for small animals and specimens at 96 micron or 48 micron voxel size. Superior image quality (compared to other MicroCT scanners in the SAIF service centers), with a ~7cm transaxial and ~4cm axial field of view. Users must have completed EH&S Prog-1755 to use.

Intek MicroSPECT/CT scanner

Clark: \$128/hour

Single mouse SPECT-CT scanner with the ability to perform 3D-tomographic X-ray imaging at 80 and 40 micron voxel size, and pin-hole single photon emission computed tomography (SPECT) with 0.5, 1.0, 2.0 or 3.0mm pinhole collimators and adjustable radius of rotation. Users must be on SAIF CRA and have completed EH&S Prog-1755 to use.



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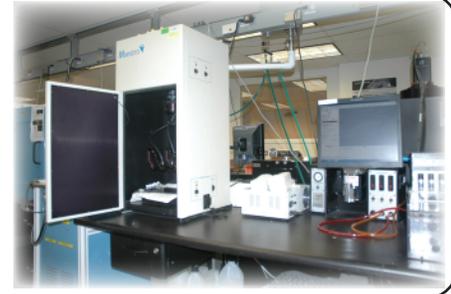
Vevo 2100 and Vevo 2100/LAZR ultrasound scanners
Clark: \$124/hour

The Vevo 2100 is a high resolution high-frequency ultrasound scanner for small animal imaging. Applications include B-mode, M-mode, Doppler (color, power and pulsed-wave) and 3D imaging. The Vevo 2100-LAZR also has the photoacoustic imaging system allowing laser excitation in the far-red/near infra red wavelengths).

Maestro fluorescence imaging system

Clark: \$54/hour

Tunable liquid crystal filter permits 10nm spectral emission imaging and subsequent spectral unmixing of images. Fluorescent excitation filters for fluorophores exciting in the blue wavelengths to near infra-red wavelengths.



Frozen tissue sectioning (Microm HM550/Leica CM3600)

Clark (HM550 tissue sectioning): \$42/hour

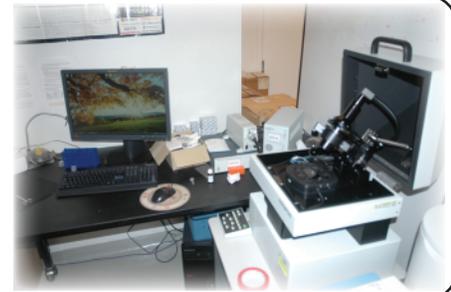
Clark (CM3600 whole body sectioning): \$34/hour

Cryostatically cooled instruments for sectioning tissues and animals/large tissue samples. Users must provide own supplies for using these cryostats (low profile blades for HM550, Feather H45L disposable blades for CM3600).

LV200 bioluminescence/low light-emission microscope

Clark: Free to use (on loan from Olympus Scientific Solutions)

The Olympus LV200 low-light emission microscope is paired with the Hamamatsu Imagem-1K CCD camera. Please see www.lv200.info for more information about this instrument.



Ami-X bioluminescent/fluorescent/X-ray imaging system

Clark: Free to use (on loan from Spectral Instruments Imaging)

Optical imaging instrument with similar sensitivity and 2D capabilities as the IVIS Imaging Systems. This scanner also has planar X-ray imaging capabilities (users must have completed EH&S training 1755 to use).

Computer workstations for data analysis

Clark (4 Windows and 2 PowerMac computers): Free to use

SIM1 (2 Windows computers): Free to use

Porter Drive (2 Windows computers and 1 iMac): Free to use

The SAIF service center has 11 workstations available with hi-end analysis software for users to use. 3 servers are also online for data storage, as well as computers in each facility for internet access.

