

Preclinical Imaging

FRED HUTCHINSON CANCER RESEARCH CENTER
RESEARCH ADMINISTRATION
SEATTLE, WA • 501(C)(3) NONPROFIT



The Preclinical Imaging core provides state-of-the-art in vivo imaging technology and infrastructure to support basic and preclinical research. We offer a diverse array of imaging modalities, including ultrasound, optical imaging, MRI, micro-CT and multiphoton microscopy.

Our staff includes experienced imaging specialists who train users on equipment operation, consult on study design, and image analysis, and perform imaging studies and analysis on request.

7T MRI

Our 7T Dry Magnet MRI uses a strong magnetic field and radio waves to create detailed images of the organs and tissues within the body. The MRI operates with a magnetic field that ramps from 3T to 7T without the necessity of energy-intensive liquid helium or liquid nitrogen to cool the magnet.

This system is optimal for distinction of soft tissues, like tumors and vasculature visualization within brain and kidney tissues.

Analysis software: VevoQuant/Invivo, OsirisX

Spatial resolution limit: ~25-100 microns

Image acquisition time: minutes – hours



LEARN MORE

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