

Resource Summary Report

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Wistar Imaging Core Facility

RRID:SCR_010207

Type: Tool

Proper Citation

Wistar Imaging Core Facility (RRID:SCR_010207)

Resource Information

URL: <https://www.wistar.org/resources/imaging-facility/>

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Description: Core facility that provides the following services: Live-cell time-lapse microscopy, Low magnification and photomacrography? service, Confocal microscopy service, Two-photon microscopy, Small animal whole body luminescence and fluorescence imaging?, 2, 3, 4, and 5D image analysis, Imaging consultation service, Imaging equipment, image processing, and image analysis training, In-lab microscopy assistance and maintenance service, Imaging Facility instrument access. The Imaging Facility is a shared resource with the primary goal of providing exceptional microscopy and imaging services, as well as individual access to a variety of state-of-the-art imaging resources for members of the Wistar research community. The imaging systems have been designed to be extremely flexible to reflect a broad range of challenging scientific questions and specimens. Each system provides a combination of illumination, optics and image capture options. Diverse subjects ranging from fluorescently tagged live cell cultures and stained tissue sections, to 3D tumor spheroids and low magnification explanted tissues, can be accommodated with available systems. Current equipment includes standard upright and inverted fluorescence microscopes, a customized live-cell time lapse microscope capable of 6D imaging, a laser scanning confocal microscope, a 2-photon microscope designed for in vivo imaging, a small animal, whole body luminescence and fluorescence imager, special low magnification (photomacrography) systems as well as a variety of traditional photographic cameras, lenses and lighting equipment. Users of the facility may be trained for unassisted use of all core assets, or they may elect assisted service with the facility staff performing the imaging. The Imaging staff also provides assistance to researchers with additional aspects of their imaging requirements. Ideal approaches to specimen documentation are often unique to the experiment and the staff can help design the most effective imaging protocols to answer a particular question. On-site assistance is available to help investigators get the most out of their own systems. Image analysis and specialized Photoshop training, creative imaging for journal covers, and guidance on digital imaging ethics help to round out the services available from the facility.

Synonyms: Wistar Imaging Facility

Resource Type: access service resource, core facility, service resource

Keywords: fast live imaging, photomacrography, photography, confocal microscopy, multiphoton microscopy, in vivo bioluminescence, image analysis, microscopy, image processing technique

Resource Name: Wistar Imaging Core Facility

Resource ID: SCR_010207

Alternate IDs: nlx_156686

Alternate URLs: <http://eagle-i.itmat.upenn.edu/i/0000013f-77b5-042c-a468-831a80000000>

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Ratings and Alerts

No rating or validation information has been found for Wistar Imaging Core Facility.

No alerts have been found for Wistar Imaging Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.