



UNIVERSITY OF OREGON



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Campus for Accelerating Scientific Impact

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To: X-ray Imaging Core Users
From: Angela Lin, Director, X-ray Imaging Core

CC: Fred Sabb, Director, Robert and Beverly Lewis Center for Neuroimaging (LCNI)
David Conover, Vice President for Research and Innovation (VPRI)
Cass Moseley, Senior Associate Vice President for Research and Innovation (VPRI)
Stacy Williams-Wright, Divisional Budget Director (VPRI)
Melodi Jayne, Business Manager, Research Core Business Services (RCBS)

Re: X-ray Imaging Core rates

Please see the attached rates and descriptions, approved by the Director and OVPRI.

General structure of the rates includes delineation of four user groups as follows, even though some of the costs for user groups is at present the same as other user groups: Internal UO academic researchers, academic researchers within the state of Oregon, academic researchers outside the state of Oregon, and industry researchers. Rates listed for the Industry and Outside of Oregon academic user groups include F&A at the FY20 rate. Because system use consists of runtime of the scanners as well as resources (virtual units) being consumed, all users will be charged for both instrument acquisition runtime (hourly rates) and resource-based units for standard image processing (per slice fees). The core will strive to provide internal UO and Oregon academic institutes with relatively low rates to encourage research use, particularly in the ramp up / initiation phase of the core's existence, while still maintaining consistency and moving toward sustainability.

Please let me know if you have any questions.

Sincerely,

Angela Lin, MSME
Director, X-ray Imaging Core Facility
al81@uoregon.edu

X-ray Imaging Core Services & Rates

General structure of the rates includes delineation of four user groups as follows, even though some of the costs for user groups is at present the same as other user groups: Internal UO academic researchers, academic researchers within the state of Oregon, academic researchers outside the state of Oregon, and industry researchers. Rates listed for the Industry and Outside of Oregon academic user groups include F&A at the FY20 rate. Because system use consists of runtime of the scanners as well as resources (virtual units) being consumed, all users will be charged for both instrument acquisition runtime (hourly rates) and resource-based units for standard image processing (per slice fees). The core will strive to provide internal UO and Oregon academic institutes with relatively low rates to encourage research use, particularly in the ramp up / initiation phase of the core's existence, while still maintaining consistency and moving toward sustainability.

1. Instrument time with technician assistance (per hour):

The user groups and rates are as follows:

Internal academic	\$78.00
Oregon academic	\$78.00
Outside of Oregon academic	\$142.00
Industry	\$142.00

Instrument use rate for researchers requiring X-ray Imaging Core staff assistance and support. When staff performs or assists with scanner operations, the user will be charged this rate for the entire duration of the scan time (even when the staff/operator is not present in the room / interacting with the scanner, server, or software).

2. Instrument time without technician assistance (per hour):

The user groups and rates are as follows:

Internal academic	\$35.00
Oregon academic	\$35.00
Outside of Oregon academic	\$78.00
Industry	\$78.00

Instrument use rate for researchers who have been trained to operate the scanners and do not require X-ray Imaging Core staff assistance or support. User will be charged this rate for the entire duration of the scan time (even during time when the trained user is not present in the room / interacting with the scanner, server, or software).

3. Additional analysis or training time with technician assistance (per hour)

The user groups and rates are as follows:

Internal academic	\$78.00
Oregon academic	\$78.00
Outside of Oregon academic	\$142.00
Industry	\$142.00

Additional analysis or evaluation time for researchers who require X-ray Imaging Core staff assistance and support. This includes user training (on hardware and software operations), troubleshooting technical concerns about your scans, development & additional R&D around providing specific or custom outcome measures, additional data generation beyond standard evaluation processes, and any other experimental or technical needs requiring X-ray Imaging Core staff assistance and support.

4. Additional analysis time without technician assistance (per hour)

The user groups and rates are as follows:

Internal academic	\$35.00
Oregon academic	\$35.00
Outside of Oregon academic	\$78.00
Industry	\$78.00

For researchers who have been trained on software use but need to occupy additional time beyond the standard evaluative time and computing needs without the assistance or support of X-ray Imaging Core staff.

5. MicroCT/Faxitron sample or animal preparation (resource-based: per sample holder/bed):

The user groups and rates are as follows:

Internal academic	\$7.00
Oregon academic	\$7.00
Outside of Oregon academic	\$12.00
Industry	\$12.00

This is a resource-based usage unit that includes specimen or animal preparation, loading, and setup that occurs before scans can be initiated in order to position, orient, and stabilize specimens appropriately for scans. These rates will be charged only when X-ray Imaging Core staff performs or assists with scan setup and not for trained researchers using the scanners without staff assistance.

6. MicroCT Standard or Medium Resolution (resource-based: per slice):

The user groups and rates are as follows:

Internal academic	\$0.10
Oregon academic	\$0.10
Outside of Oregon academic	\$0.18
Industry	\$0.18

This is a resource-based usage unit that is a per slice rate for those microCT scans using the Standard or Medium Resolution settings (or any Custom settings that use 500 or fewer projections and achieve in-plane pixel matrix 1024x1024 or lower). Number of slices / z-axis length for each scan is set by the user. This number is logged for usage tracking. The rates take into account the scaling of resources (such as disk space, CPU, GPU) needed for scans performed at the Standard and Medium Resolution settings and is inclusive of the image processing costs of evaluating standard morphometric outcome measures, simple 2D slice output/export, and 3D image generation/image capture for these scans.

7. MicroCT High Resolution (resource-based: per slice):

The user groups and rates are as follows:

Internal academic	\$0.20
Oregon academic	\$0.20
Outside of Oregon academic	\$0.35
Industry	\$0.35

This is a resource-based usage unit that is a per slice rate for those microCT scans using the High Resolution setting (or any Custom settings that use 501-1000 projections and achieve in-plane pixel matrix over 1024x1024 up to 2048x2048). Number of slices / z-axis length for each scan is set by the user. This number is logged for usage tracking. The rates take into account the scaling of resources (such as disk space, CPU, GPU) needed for scans performed at the High Resolution setting and is inclusive of the image processing costs of evaluating standard morphometric outcome measures, simple 2D slice output/export, and 3D image generation/image capture for these scans.

8. MicroCT Super High Resolution (resource-based: per slice):

The user groups and rates are as follows:

Internal academic	\$0.42
Oregon academic	\$0.42
Outside of Oregon academic	\$0.75
Industry	\$0.75

This is a resource-based usage unit that is a per slice rate for those microCT scans using the Native or Custom Resolution settings (those using over 1000 projections and achieving in-plane pixel matrix over 2048x2048). Number of slices / z-axis length for each scan is set by the user. This number is logged for usage tracking. The rates take into account the scaling of resources (such as disk space, CPU, GPU) needed for scans performed at the High Resolution setting and is inclusive of the image processing costs of evaluating standard morphometric outcome measures, simple 2D slice output/export, and 3D image generation/image capture for the scan.