

SCOPE

Sanderson Center for Optical Experimentation

User Fees

FY2023

Billing and Reservations

All microscopes can be reserved through scope.bookedscheduler.com. Monthly bills will be issued based on bookedscheduler reservation records. Microscope use will be confirmed by tracking computer log-on/log-off information and ID badge swipes into the instrument rooms. It is the USER'S RESPONSIBILITY to cancel reservations through bookedscheduler or by notifying the director within 24 hours of the reservation to avoid charges.

Tier 0 SCOPE instrumentation: Leica STELLARIS 8 STED and 2 photon microscopes

	<u>Hourly fee</u>	<u>Maximum billed in 24 hours</u>
Internal UMMS investigators	\$75	\$375
External academic investigators	\$105	\$525
Commercial Users	\$158	

Tier 1 SCOPE instrumentation: Leica SP8 confocal with Lightning

	<u>Hourly fee</u>	<u>Maximum billed in 24 hours</u>
Internal UMMS investigators	\$63	\$315
External academic investigators	\$87	\$435
Commercial Users	\$125	

Tier 2 SCOPE instrumentation: Nikon A1 confocal, Leica SP5 confocal

	<u>Hourly fee</u>	<u>Maximum billed in 24 hours</u>
Internal UMMS investigators	\$42	\$210
External academic investigators	\$63	\$315
Commercial Users	\$105	

Tier 3 SCOPE resources: Delta Vision Widefield microscope (ASC8); FCS CorTectorX

	<u>Hourly fee</u>	<u>Maximum billed in 24 hours</u>
Internal UMMS investigators	\$21	\$105
External academic investigators	\$32	\$158
Commercial Users	\$43	

Tier 4 SCOPE resources: widefield fluorescence microscopes and image processing workstations

	<u>Hourly fee</u>	<u>Maximum billed in 24 hours</u>
Internal UMMS investigators	\$9	\$42
External academic investigators	\$16	\$79
Commercial Users	\$27	

Questions? Contact Christina Baer at Christina.Baer@umassmed.edu or x6-6024

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Staff time:

Staff time for assisted imaging; image analysis assistance including ImageJ macro, Cellprofiler pipeline and Stratquest app development; microscope technical consultations, instrument service and custom microscope construction (instrument design, construction, user training and service).

Internal UMMS investigators	\$132/hour plus hourly instrument fee
External academic investigators	\$180/hour plus hourly instrument fee
Commercial users	\$210/hour plus hourly instrument fee

Training fees - includes 2 hours of assisted imaging + 1 hour unassisted

Internal UMMS investigators	\$315
External academic investigators	\$426
Commercial users	\$630

Imaging services

Widefield and Confocal slide scanning:

<i>Drop-off sample imaging service</i>	<i>Academic Internal</i>	<i>Academic External</i>	<i>Commercial External</i>
<i>Color (10x or 20x, H&E/DAB etc)</i>	\$12.75	\$17.14	\$23.36
<i>Immunofluorescence (10x or 20x scans, up to 4 colors)</i>	\$15.75	\$21.42	\$29.14
<i>Immunofluorescence per well, 96 well plate (20x scan)</i>	\$3.36	\$4.57	\$6.22
<i>Immunofluorescence per well, 24 well plate (20x scan)</i>	\$18.64	\$25.20	\$34.07
<i>Additional fee: z-stack >5 microns</i>	\$5.25	\$7.00	\$9.30
<i>Additional fee: Scans >150 mm²</i>	\$5.25	\$7.00	\$9.30
<i>Additional fee: 40x and 63x scans</i>	\$5.25	\$7.00	\$9.30
<i>Image Analysis Workstation/hr</i>	\$9.00	\$16.00	\$27.00
<i>Image Analysis Assistance/hr</i>	\$132.00	\$180.00	\$210.00

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Spatial Biology:

The SCOPE is pleased to offer MERFISH spatial transcriptomics as a service on our Vizgen Alpha, Vizgen MERSCOPE, and NanoString GeoMx instruments. Pricing is handled on a per project basis, please contact us for details.

****MERFISH and GeoMx require specialized reagents for sample preparation. Labs are responsible for the separate cost of the probe sets, for additional reagents for sample preparation and for the cost of cell boundary or antibody staining kits as desired. SCOPE services do not include tissue sectioning. Please contact the SCOPE directly before planning any spatial biology experiments for assistance with planning and sample preparation protocols.****

Pilot Programs: Pilot programs are preliminary studies conducted to evaluate feasibility, time, cost and test fluorophore settings of prepared samples. Investigators may request a pilot study to improve upon experiment design prior to the beginning of a research project or to gather preliminary data for a grant. Please contact the SCOPE directly to book time for such studies. Imaging will occur for 2 hours free of charge, after that time, normal charges will apply. Limited to two pilot projects per lab annually.