

<b>Microscopy</b>	
<b>Service</b>	<b>2019</b>
<b>Confocal (7)</b>	
<b>Leica STED 3X</b>	
Assisted	\$ 120.51
Self Use	\$ 53.56
Self Use Off Hours	\$ 26.78
<b>Leica SP5 DM</b>	\$ -
Assisted	\$ 104.03
Self Use	\$ 37.08
Self Use Off Hours	\$ 23.69
<b>Leica SP5 DMI</b>	\$ -
Assisted	\$ 114.33
Self Use	\$ 47.38
Self Use Off Hours	\$ 23.69
<b>Olympus FV1000 Multiphoton</b>	\$ -
Assisted	\$ 114.33
Self Use	\$ 47.38
Self Use Off Hours	\$ 23.69
<b>Yokogawa Spinning Disk Confocal</b>	\$ -
Assisted	\$ 104.03
Self Use	\$ 37.08
Self Use Off Hours	\$ 23.69
<b>Zeiss LSM780</b>	\$ -
Assisted	\$ 114.33
Self Use	\$ 47.38
Self Use Off Hours	\$ 23.69
<b>Zeiss LSM880 Airyscan</b>	\$ -
Assisted	\$ 120.51
Self Use	\$ 53.56
Self Use Off Hours	\$ 23.69
	\$ -
<b>Image Analysis Software (2)</b>	\$ -
<b>2D-3D Analysis</b>	\$ -
Assisted	\$ 85.49
Self Use	\$ 18.54
Self Use Off Hours	\$ 9.27
<b>4D Image Analysis</b>	\$ -
Assisted	\$ 85.49
Self Use	\$ 18.54
Self Use Off Hours	\$ 9.27
	\$ -
<b>Widefield (6)</b>	\$ -
<b>Axiomager</b>	\$ -
Assisted	\$ 93.73
Self Use	\$ 26.78
Self Use Off Hours	\$ 13.39
<b>Axiomager. Z2M (Motorized)</b>	\$ -
Assisted	\$ 93.73
Self Use	\$ 26.78
Self Use Off Hours	\$ 13.39
<b>Live Cell Olympus</b>	\$ -
Assisted	\$ 90.64
Self Use	\$ 23.69
Self Use Off Hours	\$ 11.85
<b>Olympus Stereoscope MVX10</b>	\$ -
Assisted	\$ 90.64
Self Use	\$ 23.69
Self Use Off Hours	\$ 11.85
<b>Leica DMI8</b>	\$ -
Assisted	\$ 93.73
Self Use	\$ 23.69
Self Use Off Hours	\$ 11.85
<b>Zeiss AxioPlan2</b>	\$ -
Assisted	\$ 90.64
Self Use	\$ 23.69
Self Use Off Hours	\$ 11.85
	\$ -
<b>Electron Microscope (2)</b>	\$ -
<b>Hitachi 7000 Electron Microscope</b>	\$ -
Assisted	\$ 103.00
Self Use	\$ 66.95
Self Use Off Hours	\$ 41.20
<b>Hitachi 7700 Electron Microscope</b>	\$ -
Assisted	\$ 103.00
Self Use	\$ 66.95
Self Use Off Hours	\$ 41.20

<b>Ancillary EM Equipment (1)</b>	\$ -
<b>Leica UltraMicrotome UC7</b>	\$ -
Assisted	\$ 84.46
Self Use	\$ 20.60
Self Use Off Hours	\$ 10.30
<b>Lightsheet (1)</b>	\$ -
<b>LaVision UltraMicroscope II</b>	\$ -
Assisted	\$ 122.57
Self Use	\$ 55.62
Self Use Off Hours	\$ 27.81
<b>ELECTRON MICROSCOPY</b>	\$ -
Tissue Preparation (training) (Electron Microscope)	\$ 2,266.00
Staff Assistance	\$ 66.95
Perfusion-small animal model (First)	\$ 103.00
Perfusion-small animal model subsequent (2-8)	\$ 51.50
Perfusion-large animal model (First)	\$ 360.50
Perfusion-large animal model (Second)	\$ 180.25
Vibratome sectioning, small model	\$ 46.35
Vibratome sectioning, large model (based on volume/blocks)	\$ 1.03
Embedding -EPON Tissue	\$ 77.25
Embedding -EPON Cell Culture	\$ 128.75
Embedding -EPON Subcellular Fraction	\$ 77.25
Embedding (Myelin) - Tissue	\$ 154.50
Embedding- LOWICRYL - Tissue	\$ 193.13
Embedding- LOWICRYL - Subcellular Fraction	\$ 193.13
Immunogold Labeling	\$ 772.50
Sectioning - semi-thick (Toluidine-Blue stained) (per block)	\$ 51.50
Sectioning - semi-thick & ultrathin (per block)	\$ 128.75
Sectioning - semi-thick and serial ultrathin sections (per block)	\$ 206.00
Counterstaining (Uranyl Acetate and Lead Citrate) (per run)	\$ 103.00
Immunogold labeling (per antibody)	\$ 772.50
Negative staining (e.g., viral suspension) (per sample)	\$ 103.00
Subcellular fraction pellets/nanoparticles - embedding, Lowicryl-6 samples (1 run)	\$ 772.50
Corelative confocal/em -CLEM (per sample)	\$ 772.50
Array tomography(AT) - Carbon Coat	\$ 257.50
AT sectioning (per sample)	\$ 257.50
<b>Training - Tissue Preparation (18)</b>	\$ -
Perfusion- small animal model (Training)	\$ 103.00
Perfusion-large animal model (Training)	\$ 103.00
Vibratome sectioning, small model (Training)	\$ 103.00
Vibratome sectioning, large model (Training)	\$ 103.00
Embedding -EPON (Training)	\$ 128.75
Embedding- LOWICRYL (Training)	\$ 128.75
Sectioning - semi-thick Toluidine Blues stained (Training)	\$ 154.50
Sectioning - semi-thick & ultrathin (Training)	\$ 154.50
Sectioning - semi-thick and serial ultrathin sections (Training)	\$ 154.50
Counterstaining (Uranyl Acetate and Lead Citrate) (Training)	\$ 103.00
Lowicryl embedded immunogold labeling (Training)	\$ 103.00
Negative staining (e.g., viral suspension) (Training)	\$ 103.00
Subcellular fraction pellets/nanoparticles - embedding, Epon (Training)	\$ 128.75
Subcellular fraction pellets/nanoparticles - embedding, Lowicryl (Training)	\$ 128.75
Cell culture - see EPON embedding - sample (Training)	\$ 128.75
Corelative confocal/em -cell culture - sample (Training)	\$ 154.50
Array tomography(AT) -see Lowicryl embedding (Training)	\$ 128.75
AT sectioning (Training)	\$ 154.50

<b>Irradiator</b>	
<b>Service</b>	<b>2019</b>
15 min. Appointment (\$1/min)	\$ 15.00

\* Will remain at \$15 as per Dr. Kelley\*

# Flow Cytometry

Service	2019
<b>Sorter (6)</b>	
<b>CSM4L</b>	
Assisted	\$ 120.00
Self Use	\$ 85.00
<b>CSM5L</b>	\$ -
Assisted	\$ 120.00
Self Use	\$ 85.00
<b>IMI3L</b>	\$ -
Assisted	\$ 120.00
Self Use	\$ 85.00
<b>IMI5L</b>	\$ -
Assisted	\$ 120.00
Self Use	\$ 85.00
<b>Influx</b>	\$ -
Assisted	\$ 100.00
Self Use	\$ 85.00
<b>Syd</b>	\$ -
Assisted	\$ 120.00
Self Use	\$ 85.00
<b>Analyzer (8)</b>	\$ -
<b>Cantoll</b>	\$ -
Self Use	\$ 45.00
Assisted	\$ 100.00
<b>LSRIIA</b>	\$ -
Self Use	\$ 45.00
Assisted	\$ 100.00
<b>LSRIIB</b>	\$ -
Self Use	\$ 45.00
Assisted	\$ 100.00
<b>Aurora</b>	
Self Use	\$ 60
Assisted	\$ 100
<b>Attune</b>	
Self Use	\$ 45
Assisted	\$ 100
<b>i15Cantoll</b>	
Self Use	\$ 45
Assisted	\$ 100
<b>i15Fortessa</b>	
Self Use	\$ 45
Assisted	\$ 100
<b>i11Fortessa</b>	
Self Use	\$ 45
Assisted	\$ 100

<b>Mouse Genetics</b>	
<b>Service</b>	<b>2019</b>
Pronuclear Injection - C57Bl/6 Hybrid or FVB Inbred (Pronuclear Injection)	\$ 3,068
Pronuclear Injection - C57Bl/6 Inbred or Other Inbred Lines (Pronuclear Injection)	\$ 3,838
Pronuclear Injection for Preimplantation Embryos: C57Bl/6 Hybrid or FVB Inbred (Pronuclear Injection)	\$ 2,299
Pronuclear Injection for Mid-Gestation Embryos: C57Bl/6 Hybrid or FVB Inbred (Pronuclear Injection)	\$ 2,605
Genome Editing (CRISPR) - Hybrid (Genome Editing)	\$ 3,068
Genome Editing (CRISPR) - Inbred (Genome Editing)	\$ 3,838
IVF rederivation (IVF rederivation)	\$ 1,534
IVF Recovery from Cryopreserved Sperm (IVF Recovery)	\$ 1,534
Cryopreserved embryo recovery (Cryopreserved embryo recovery)	\$ 1,295
ES cell injection (ES cell injection)	\$ 1,295
ES Cell Injection - Mid-Gestation Embryos (ES Cell Injection for Mid-Gestation Embryos)	\$ 1,099
ES Cell Injection - Preimplantation Embryos (ES Cell Injection for Pre-Implantation Embryos)	\$ 970
ES Cell Karyotyping (ES Cell Karyotyping)	\$ 198
Sperm cryopreservation - Basic (Basic Sperm Cryo)	\$ 520
Sperm cryopreservation - Plus (Sperm CryoPlus)	\$ 905
Embryo rederivation (Embryo Rederivation)	\$ 1,295
Shipment of Cryopreserved Sperm (Shipment of Cryopreserved Sperm)	\$ 171
Mouse Embryos (Mouse Embryos)	\$ 568
ES Cell Derivation from existing lines (ES Cell Derivation )	\$ 3,120
ES Cell Subcloning (ES Cell Subcloning)	\$ 3,068
Germ-Free IVF Rederivation (IVF rederivation)	\$ 2,271
Germ-Free Embryo Rederivation (Embryo Rederivation)	\$ 2,271
Embryo rederivations or recovery	\$ 1,295
ES cell generation from existing lines	\$ 3,120
ES cell injection	\$ 1,295
ES Cell Injections for Mid-Gestation Embryos	\$ 1,099
ES Cell Injections for Pre-Implantation Embryos	\$ 970
ES cell Karyotyping (per clone)	\$ 198
ES cell subcloning	\$ 3,068
Germ-Free Embryo Rederivation	\$ 2,271
Germ-Free IVF Rederivation	\$ 2,271
Health Testing	\$ 125
IVF rederivations or recovery	\$ 1,534
Mouse Embryos	\$ 568
Pronuclear injection (hybrid)	\$ 3,068
Pronuclear injection (inbred)	\$ 3,838
Pronuclear Injection for Mid-Gestation Embryos: C57Bl/6 Hybrid or FVB Inbred	\$ 2,605
Pronuclear Injection for Preimplantation Embryos: C57Bl/6 Hybrid or FVB Inbred	\$ 2,299
Shipment of Cryopreserved Sperm	\$ 171
Sperm cryopreservation (basic/per male)	\$ 520
Sperm cryopreservation (plus/per male)	\$ 904.80

\*In addition to the service fees listed above, the cost of the mice used for each day of a project will be paid by the requesting investigator. All projects that result in the production of mice will also be assessed a health testing fee (health testing is required prior to transfer of animals from the CoRE production room to a requesting investigator's animal housing room).

# qPCR

<b>Service</b>	<b>Unit</b>	<b>2019</b>
Allelic discrimination run (qPCR plate read)	Plate	\$10.30
CNV-Nanostring assays*	12 Sample Min.	\$30.90
Digital PCR: Droplet generator and reader*	8 Sample Min.	\$2.06/Sample
DNA/RNA extraction from FFPE		\$30.90
DNA/RNA extraction from tissue		\$25.75
DNA/RNA extraction from whole blood		\$36.05
RNA extraction from cell using Qiagen Universal Biorobot	Sample	\$15.45
Elements-Nanostring assays*	12 Sample Min.	\$25.75
lncRNA-Nanostring assays*	12 Sample Min.	\$25.75
miRNA-Nanostring assays*	12 Sample Min.	\$30.90
mRNA-Nanostring assays*	12 Sample Min.	\$25.75
Nanostring scanner usage	Sample	\$12.36
PCR assay set up using Beckman Biobek robot (384 well)	Plate	\$31.93
Pinworm/ Helicobacter Assays		\$25.75
Plate Purchase -Multiples of 10		\$77.25
Primer design, synthesis, and validation (SYBR)	Assay	\$77.25
Real-time PCR plate run (384 well)	Plate	\$31.93
Real-time PCR plate run (96 well)#	Plate	\$42.23
Reverse Transcription	Sample	\$12.36
SNP assay development	Per SNP	\$618.00
SYBR-green real-time PCR assays (in triplicates)	Per Sample/Gene	\$4.12
Taqman assay development	Per Assay	\$309.00
TaqMan probe acquisition	Per probe	\$257.50
Taqman real-time PCR assays (in triplicates)	Per sample/gene	\$5.15

# Freezer Farm

<b>Service</b>	<b>2019</b>
Box in -80 Freezer	\$ 5
Shelf in -80 Freezer	\$ 25
One -80 Freezer	\$ 200