Microscopy

Service	2019
Confocal	
Leica STED 3X	
Assisted	$ 121
Self Use	$ 54
Self Use Off Hours	$ 27
Leica SP5 DM	$ -
Assisted	$ 104
Self Use	$ 37
Self Use Off Hours	$ 24
Leica SP5 DMI	$ -
Assisted	$ 114
Self Use	$ 47
Self Use Off Hours	$ 24
Olympus FV1000 Multiphoton	$ -
Assisted	$ 114
Self Use	$ 47
Self Use Off Hours	$ 24
Yokogawa Spinning Disk Confocal	$ -
Assisted	$ 104
Self Use	$ 37
Self Use Off Hours	$ 24
Zeiss LSM780	$ -
Assisted	$ 114
Self Use	$ 47
Self Use Off Hours	$ 24
Zeiss LSM880 Airyscan	$ -
Assisted	$ 121
Self Use	$ 54
Self Use Off Hours	$ 24
	$ -
Image Analysis Software	$ -
2D-3D Analysis	$ -
Assisted	$ 85
Self Use	$ 19
Self Use Off Hours	$ 9
4D Image Analysis	$ -
Assisted	$ 85
Self Use	$ 19
Self Use Off Hours	$ 9
	$ -
Widefield	$ -
AxioImager	$ -
Assisted	$ 94
Self Use	$ 27
Self Use Off Hours	$ 13
AxioImager. Z2M (Motorized)	$ -
Assisted	$ 94
Self Use	$ 27
Self Use Off Hours	$ 13
Live Cell Olympus	$ -
Assisted	$ 91
Self Use	$ 24
Self Use Off Hours	$ 12
Olympus Stereoscope MVX10	$ -
Assisted	$ 91
Self Use	$ 24
Self Use Off Hours	$ 12
Leica DMi8	$ -
Assisted	$ 94
Self Use	$ 24
Self Use Off Hours	$ 12
Zeiss AxioPlan2	$ -
Assisted	$ 91
Self Use	$ 24
Self Use Off Hours	$ 12
	$ -
Electron Microscope	$ -
Hitachi 7000 Electron Microscope	$ -
Assisted	$ 103
Self Use	$ 67
Self Use Off Hours	$ 41
Hitachi 7700 Electron Microscope	$ -
Assisted	$ 103
Self Use	$ 67
Self Use Off Hours	$ 41

Ancillary EM Equipment	$	-
Leica UltraMicrotome UC7	$	-
Assisted	$	84
Self Use	$	21
Self Use Off Hours	$	10
Lightsheet	$	-
LaVision UltraMicroscope II	$	-
Assisted	$	123
Self Use	$	56
Self Use Off Hours	$	28
ELECTRON MICROSCOPY	$	-
Tissue Preparation (training) (Electron Microscope)	$	2,266
Staff Assistance	$	67
Perfusion-small animal model (First)	$	103
Perfusion-small animal model subsequent (2-8)	$	52
Perfusion-large animal model (First)	$	361
Perfusion-large animal model (Second)	$	180
Vibratome sectioning, small model	$	46
Vibratome sectioning, large model (based on volume/blocks)	$	1
Embedding -EPON Tissue	$	77
Embedding -EPON Cell Culture	$	129
Embedding -EPON Subcellular Fraction	$	77
Embedding (Myelin) - Tissue	$	155
Embedding- LOWICRYL - Tissue	$	193
Embedding- LOWICRYL - Subcellular Fraction	$	193
Immunogold Labeling	$	773
Sectioning - semi-thick (Toluidine-Blue stained) (per block)	$	52
Sectioning - semi-thick & ultrathin (per block)	$	129
Sectioning - semi-thick and serial ultrathin sections (per block)	$	206
Counterstaining (Uranyl Acetate and Lead Citrate) (per run)	$	103
Immunogold labeling (per antibody)	$	773
Negative staining (e.g., viral suspension) (per sample)	$	103
Subcellular fraction pellets/nanoparticles - embedding, Lowicryl-6 samples (1 run)	$	773
Corelative confocal/em -CLEM (per sample)	$	773
Array tomography(AT) - Carbon Coat	$	258
AT sectioning (per sample)	$	258
Training - Tissue Preparation	$	-
Perfusion- small animal model (Training)	$	103
Perfusion-large animal model (Training)	$	103
Vibratome sectioning, small model (Training)	$	103
Vibratome sectioning, large model (Training)	$	103
Embedding -EPON (Training)	$	129
Embedding- LOWICRYL (Training)	$	129
Sectioning - semi-thick Toluidine Blues stained (Training)	$	155
Sectioning - semi-thick & ultrathin (Training)	$	155
Sectioning - semi-thick and serial ultrathin sections (Training)	$	155
Counterstaining (Uranyl Acetate and Lead Citrate) (Training)	$	103
Lowicryl embedded immunogold labeling (Training)	$	103
Negative staining (e.g., viral suspension) (Training)	$	103
Subcellular fraction pellets/nanoparticles - embedding, Epon (Training)	$	129
Subcellular fraction pellets/nanoparticles - embedding, Lowicryl (Training)	$	129
Cell culture - see EPON embedding - sample (Training)	$	129
Corelative confocal/em -cell culture - sample (Training)	$	155
Array tomography(AT) -see Lowicryl embedding (Training)	$	129
AT sectioning (Training)	$	155

Irradiator	
Service	**2019**
15 min. Appointment ($1/min)	$ 15.00

Flow Cytometry

Service	2019	
Machine	**Self-op Rate**	**Assisted Rate**
Analyzer		
Aurora	$ 60.00	$ 100.00
CantoII	$ 45.00	$ 100.00
LSRIIA	$ 45.00	$ 100.00
LSRIIB	$ 45.00	$ 100.00
Attune	$ 45.00	$ 100.00
i15CantoII	$ 45.00	$ 100.00
i15Fortessa	$ 45.00	$ 100.00
i11Fortessa	$ 45.00	$ 100.00
Sorter		
CSM4L	$ 85.00	$ 120.00
CSM5L	$ 85.00	$ 120.00
Syd	$ 85.00	$ 120.00
IMI3L	$ 85.00	$ 120.00
IMI5L	$ 85.00	$ 120.00
Influx	$ 85.00	$ 100.00

Mouse Genetics

Service	2019
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

Service	Unit	2019
Allelic discrimination run (qPCR plate read)	Plate	$10
CNV-Nanostring assays*	12 Sample Min.	$31
Digital PCR: Droplet generator and reader*	8 Sample Min.	$2.06/Sample
DNA/RNA extraction from FFPE		$31
DNA/RNA extraction from tissue		$26
DNA/RNA extraction from whole blood		$36
RNA extraction from cell using Qiagen Universal Biorobot	Sample	$15
Elements-Nanostring assays*	12 Sample Min.	$26
IncRNA-Nanostring assays*	12 Sample Min.	$26
miRNA-Nanostring assays*	12 Sample Min.	$31
mRNA-Nanostring assays*	12 Sample Min.	$26
Nanostring scanner usage	Sample	$12
PCR assay set up ussing Beckman Biobek robot (384 well)	Plate	$32
Pinworm/ Helicobacter Assays		$26
Plate Purchase -Multiples of 10		$77
Primer design, synthesis, and validation (SYBR)	Assay	$77
Real-time PCR plate run (384 well)	Plate	$32
Real-time PCR plate run (96 well)#	Plate	$42
Reverse Transcription	Sample	$12
SNP assay development	Per SNP	$618
SYBR-green real-time PCR assays (in triplicates)	Per Sample/Gene	$4
Taqman assay development	Per Assay	$309
TaqMan probe acquisition	Per probe	$258
Taqman real-time PCR assays (in triplicates)	Per sample/gene	$5

Freezer Farm	
Service	**2019**
Box in -80 Freezer	$ 5
Shelf in -80 Freezer	$ 25
One -80 Freezer	$ 200