

**June 15<sup>th</sup>, 2026**

To Whom It May Concern:

Please find attached the fee schedule for the Genomics and Microbiome Core Facility (GMCF) at Rush University. This fee schedule is active as of June 2026 and is currently valid. We retain the right to modify pricing as needed unless a specific quote or other contract has been provided to an investigator.

A few notes about the fee schedule:

- (a) Pricing is shown for internal (Rush University) and external (non-Rush, academic and non-academic) investigators. Please contact the GMCF staff (including myself) for more information.
- (b) Also, please note that we utilize tiered pricing for some workflows. For example, for “Amplicon Library Prep from gDNA” – the internal rate for 1-10 samples is \$14/sample. Starting at sample 11, the cost per sample drops to \$13/sample. Starting at sample 97, cost/sample drops to \$11/sample, and at sample 384, cost is \$10/sample. Thus, in the attached sheet you will see a column labeled “threshold” indicating at what number of samples that pricing is reached.
- (c) Some items are custom charges (e.g., “oligonucleotide synthesis”) and listed at \$1/unit. The number of required units will depend on custom costs.
- (d) Finally, please note that DNA sequencing costs decrease with the larger unit (e.g., 25 billion clusters is cheaper on a 25 billion cluster flow cell than on 2.5x 10 billion cluster flow cells). We can pro-rate costs but require a minimum of 10% of a flow cell.

Sincerely,



**Stefan J. Green, Ph.D.**

Professor, Department of Internal Medicine, Division of Infectious Diseases  
Faculty Advisor, Genomics and Microbiome Core Facility (GMCF)  
Director, Core Laboratory Services, Office of Research Affairs  
Institutional Official, Rush University Medical Center

Bookitlab: <https://core.bookitlab.com/rush-GMCF/>

Rush website: <https://www.rushu.rush.edu/research-rush-university/rush-core-laboratories/rush-genomics-microbiome-core-facility>

## Genomics and Microbiome Core Facility Fee Schedule (JUNE 2026)

Director: Kevin Kunstman (Kevin\_Kunstman@rush.edu)

Faculty advisor: Stefan Green (Stefan\_Green@rush.edu)



Service	Threshold	Internal Rate	External Rate
10X Chromium Single Cell - Indexing Reagents, Supplies & Labor (Up to 4 Samples)		\$ 300.00	\$ 450.00
10X Chromium Single Cell - Reagent Costs (variable by kit)		\$ 1.00	\$ 1.00
10X Visium Spatial Transcriptomics for CytAssist - Indexing Reagents, Supplies & Labor (Per Slide)		\$ 375.00	\$ 562.50
10X Visium Spatial Transcriptomics for CytAssist - Reagent Costs (variable by kit)		\$ 1.00	\$ 1.00
16S/ITS Amplicon Analysis (First 10 samples)		\$ 10.00	\$ 15.00
16S/ITS Amplicon Analysis (hr)		\$ 100.00	\$ 150.00
16S/ITS Amplicon Analysis (Starting 11th sample)		\$ 2.00	\$ 3.00
Amplicon Library Prep from gDNA	11	\$ 13.00	\$ 19.50
Amplicon Library Prep from gDNA	97	\$ 11.00	\$ 16.50
Amplicon Library Prep from gDNA	385	\$ 10.00	\$ 15.00
Amplicon Library Prep from gDNA		\$ 14.00	\$ 21.00
Amplicon Library Prep from linkered PCR product	11	\$ 9.00	\$ 13.50
Amplicon Library Prep from linkered PCR product	97	\$ 8.00	\$ 12.00
Amplicon Library Prep from linkered PCR product	385	\$ 7.00	\$ 10.50
Amplicon Library Prep from linkered PCR product		\$ 10.00	\$ 15.00
Basic QC Run (< 10 samples)		\$ 100.00	\$ 150.00
Bioinformatics analysis (hr)		\$ 75.00	\$ 112.50
Bioqule sample + library prep		\$ 150.00	\$ 225.00
Bisulfite conversion	44	\$ 20.00	\$ 30.00
Bisulfite conversion		\$ 25.00	\$ 37.50
Bisulfite Zymo Human DNA controls		\$ 250.00	\$ 250.00
Bisulfite, genomic DNA libraries	48	\$ 162.00	\$ 162.00
Bisulfite, genomic DNA libraries		\$ 186.30	\$ 186.30
Bisulfite, Project setup		\$ 125.00	\$ 187.50
Bisulfite, reduced representation DNA libraries	48	\$ 171.45	\$ 180.02
Bisulfite, reduced representation DNA libraries		\$ 205.20	\$ 215.46
Building a new database (per hr)		\$ 100.00	\$ 150.00
COVID WGS from VTM using SWIFT Multi-amplicon (incl: RNA ext, RT, qPCR, library, 0.5M clusters)		\$ 129.00	\$ 193.50
Digital PCR (per plate, high density); 24 sample plate; Assay costs separate		\$ 240.00	\$ 290.00
Digital PCR (per plate, high density); 8 sample plate; Assay costs separate		\$ 136.00	\$ 165.00
Digital PCR (per well, lower density); 96 sample plate; Assay costs separate		\$ 476.00	\$ 578.00
DNA Isolation		\$ 24.00	\$ 36.00
DNA/RNA Sample Dilution		\$ 2.00	\$ 3.00
DNase Treatment		\$ 18.00	\$ 27.00
E-Gel (10 lane)		\$ 25.00	\$ 37.50
E-Gel (48 lane)		\$ 60.00	\$ 75.00
ERCC RNA Spike-In		\$ 2.00	\$ 3.00
Establishing new ref database (custom, per hr)		\$ 100.00	\$ 150.00
Fluidigm Amplicon Library Prep from PCR	11	\$ 7.74	\$ 11.61
Fluidigm Amplicon Library Prep from PCR	97	\$ 6.97	\$ 10.46
Fluidigm Amplicon Library Prep from PCR	385	\$ 6.27	\$ 9.41
Fluidigm Amplicon Library Prep from PCR		\$ 8.60	\$ 12.90
HMW DNA Size Selection		\$ 250.00	\$ 375.00
Hybridization Capture (Reagents)		\$ 1.00	\$ 1.00
IDT Primer		\$ 20.00	\$ 20.00
Illumina iSeq Run		\$ 750.00	\$ 787.50
Illumina MiniSeq QC		\$ 600.00	\$ 660.00
Illumina MiniSeq Run		\$ 1,200.00	\$ 1,320.00
Illumina MiSeq i100 100M cluster 300 cycle		\$ 2,030.00	\$ 2,465.00
Illumina MiSeq i100 25M cluster 100 cycle		\$ 770.00	\$ 935.00
Illumina MiSeq i100 25M cluster 300 cycle		\$ 1,260.00	\$ 1,530.00
Illumina MiSeq i100 25M cluster 600 cycle		\$ 1,540.00	\$ 1,810.00
Illumina MiSeq i100 50M cluster 300 cycle		\$ 1,540.00	\$ 1,870.00
Illumina MiSeq i100 50M cluster 600 cycle		\$ 2,030.00	\$ 2,465.00
Illumina MiSeq i100 5M cluster 25 cycle		\$ 500.00	\$ 550.00
Illumina MiSeq i100 5M cluster 300 cycle		\$ 625.00	\$ 714.00
Illumina MiSeq i100 5M cluster 600 cycle		\$ 910.00	\$ 1,105.00
Illumina MiSeq Nano 2x250		\$ 750.00	\$ 787.50

Illumina MiSeq V2 2x250		\$	2,200.00	\$	2,420.00
Illumina MiSeq V3 2x300		\$	2,800.00	\$	3,080.00
Illumina NovaSeq S1 1x100		\$	3,600.00	\$	3,780.00
Illumina NovaSeq S2 1x100		\$	4,880.00	\$	5,124.00
Illumina NovaSeq S4 2x150		\$	6,615.00	\$	6,945.75
Illumina NovaSeq SP 1x100		\$	1,806.00	\$	1,896.30
Illumina NovaSeq SP 2x150		\$	2,499.00	\$	2,623.95
Illumina NovaSeq SP 2x250		\$	3,800.00	\$	4,180.00
Illumina NovaSeq X lane (10B cluster flow cell), 100 cycle (1250 M clusters; 125 Gb)		\$	1,900.00	\$	2,090.00
Illumina NovaSeq X lane (10B cluster flow cell), 300 cycle (1250 M clusters; 375 Gb)		\$	2,400.00	\$	2,640.00
Illumina NovaSeq X lane (25B cluster flow cell), 300 cycle (3100 M clusters; 930 Gb)		\$	4,200.00	\$	4,620.00
Illumina QC Sequencing Run (iSeq/MiniSeq/MiSeqNano)		\$	625.00	\$	714.00
Infectious sample add-on cost		\$	5.00	\$	7.50
Installing a new genome		\$	300.00	\$	450.00
JumpCode rRNA Depletion		\$	1,300.00	\$	1,950.00
Locked nucleic acid blockers, per sample		\$	3.00	\$	4.50
Matrix barcoded tube		\$	3.00	\$	4.50
Metagenomic Data Analysis - Only Read-based (First 10 samples)		\$	15.00	\$	22.50
Metagenomic Data Analysis - Only Read-based (Starting 11th samples)		\$	10.00	\$	15.00
Metagenomic Data Analysis (First 10 samples)		\$	50.00	\$	75.00
Metagenomic Data Analysis (per hr)		\$	100.00	\$	150.00
Metagenomic Data Analysis (Starting 11th sample)		\$	25.00	\$	37.50
Misc		\$	1.00	\$	1.00
Oligonucleotide synthesis		\$	1.00	\$	1.00
Oxford nanopore 1D library barcoded		\$	310.00	\$	325.00
Oxford Nanopore Flongle		\$	500.00	\$	750.00
Oxford Nanopore Flongle Flowcell each (up to 1.8 Gb of data)		\$	300.00	\$	315.00
Oxford Nanopore GridION flowcell each (uo to 50 Gb of data)		\$	1,174.80	\$	1,233.54
Oxford Nanopore P2 Flow Cell		\$	1,900.00	\$	2,090.00
PacBio Amplicon Library Preparations		\$	19.80	\$	29.70
PacBio Kinnex + REVIO + Demultiplex		\$	4,200.00	\$	4,620.00
PacBio Kinnex Library Preparation		\$	1,200.00	\$	1,320.00
PacBio Sequencing on SMRT 8M cell Sequel 30h movie		\$	2,574.00	\$	2,702.70
PacBio Sequencing on SMRT REVIO cell, 30h movie + Demultiplexing		\$	3,000.00	\$	3,300.00
PacBio SMRTBell Library Constrtuction barcoded		\$	825.00	\$	866.25
PCR Cleanup		\$	4.00	\$	6.00
Pippin Prep Size Selection with Bead Clean-up		\$	175.00	\$	262.50
Poly(A) RNAseq Library Prep / No Depletion Library	11	\$	125.00	\$	187.50
Poly(A) RNAseq Library Prep / No Depletion Library	24	\$	95.00	\$	142.50
Poly(A) RNAseq Library Prep / No Depletion Library	97	\$	90.00	\$	135.00
Poly(A) RNAseq Library Prep / No Depletion Library		\$	150.00	\$	225.00
Project setup fee		\$	80.00	\$	120.00
Quality Check (QC) - one library (Qubit, Fragment Analyzer & qPCR)		\$	80.00	\$	120.00
Quantabio Extracta DNA Prep for PCR		\$	1.00	\$	1.00
Quantabio HiFi PCR		\$	1.00	\$	1.00
Quantification Service with PicoGreen or similar, per 384-well plate		\$	400.00	\$	600.00
Quantification Service with PicoGreen or similar, per 96-well plate		\$	175.00	\$	262.50
Quantitative PCR assay synthesis		\$	1.00	\$	1.00
Qubit DNA/RNA Measurement		\$	5.00	\$	7.50
Real-time PCR plate setup (assay costs are separate); 384-well plate		\$	710.00	\$	1,065.00
Real-time PCR plate setup (assay costs are separate); 96-well plate		\$	215.00	\$	322.50
Real-time PCR plate setup (assay costs are separate); Half of a 384-well plate		\$	375.00	\$	562.50
Reverse transcription, per sample (High Capacity cDNA RT reagent only)		\$	7.50	\$	11.25
Reverse transcription, per sample (qScript XLT cDNA SuperMix reagent only)		\$	7.02	\$	10.53
Reverse transcription, per sample (SuperScript IV VILO reagent only)		\$	15.00	\$	22.50
Reverse transcription, Setup		\$	30.00	\$	45.00
RNA Isolation		\$	30.00	\$	45.00
RNA-seq analysis (per hr + licensing)		\$	100.00	\$	150.00
RNA-seq Data Processing (First 6 samples)		\$	30.00	\$	45.00
RNA-seq Data Processing (Starting 7th sample)		\$	10.00	\$	15.00
RNA-Seq library, PolyA selected RNA	11	\$	125.00	\$	187.50
RNA-Seq library, PolyA selected RNA	24	\$	95.00	\$	142.50
RNA-Seq library, PolyA selected RNA	48	\$	90.00	\$	135.00

RNA-Seq library, PolyA selected RNA		\$	150.00	\$	225.00
RNA-Seq library, rRNA depleted	11	\$	170.00	\$	212.50
RNA-Seq library, rRNA depleted	24	\$	165.00	\$	206.25
RNA-Seq library, rRNA depleted	48	\$	150.00	\$	187.50
RNA-Seq library, rRNA depleted		\$	200.00	\$	250.00
RNA-Seq library, Total RNA, No Depletion	11	\$	90.00	\$	135.00
RNA-Seq library, Total RNA, No Depletion	24	\$	80.00	\$	120.00
RNA-Seq library, Total RNA, No Depletion	48	\$	70.00	\$	105.00
RNA-Seq library, Total RNA, No Depletion		\$	100.00	\$	150.00
Sample Purification (e-Gel or similar)		\$	80.00	\$	120.00
Sanger sequencing		\$	12.00	\$	18.00
Setup fee Amplicon-based		\$	75.00	\$	112.50
Setup fee RNA Sequencing		\$	75.00	\$	112.50
Setup fee Shotgun DNA sequencing		\$	75.00	\$	112.50
Shotgun Library Prep, dsDNA	11	\$	75.00	\$	112.50
Shotgun Library Prep, dsDNA	49	\$	65.00	\$	97.50
Shotgun Library Prep, dsDNA	97	\$	55.00	\$	82.50
Shotgun Library Prep, dsDNA		\$	90.00	\$	135.00
Shotgun Library Prep, dsDNA + sequencing and de novo assembly	11	\$	80.00	\$	120.00
Shotgun Library Prep, dsDNA + sequencing and de novo assembly	49	\$	67.00	\$	100.50
Shotgun Library Prep, dsDNA + sequencing and de novo assembly		\$	100.00	\$	150.00
Shotgun Library Prep, dsDNA, skim-Seq (1/2 rxn volume) (min: 48 RXNs)		\$	45.00	\$	67.50
Shotgun Library Prep, ssDNA	11	\$	150.00	\$	225.00
Shotgun Library Prep, ssDNA	49	\$	130.00	\$	195.00
Shotgun Library Prep, ssDNA	97	\$	100.00	\$	150.00
Shotgun Library Prep, ssDNA		\$	180.00	\$	270.00
Small RNA libraries	25	\$	176.00	\$	264.00
Small RNA libraries	49	\$	160.00	\$	240.00
Small RNA libraries		\$	210.00	\$	315.00
Staff Labor		\$	60.00	\$	90.00
Swift Biosciences COVID Multi-amplicon panel and adapters		\$	12,000.00	\$	13,200.00
Tapestation Analysis		\$	12.00	\$	18.00
Whole genome amplification		\$	35.00	\$	52.50
Zymo Amplicon Library Prep from gDNA	11	\$	13.00	\$	19.50
Zymo Amplicon Library Prep from gDNA		\$	14.00	\$	21.00
ZymoBIOMICS Spike-in, per sample		\$	3.00	\$	4.50