No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
1	Center for Nanostructure Characterization	IMaT	10/12/14	0/10/18			Educationa
1.	Center for Nanostructure Characterization	livia i	10/13/14	9/19/18			Educationa Tier Structu
							increases
							Tier 1 (1st
					Hour	\$132	Personal Se
					Hour	\$94	Personal Se
					Hour	\$31	LEO 1530
					Hour	\$34	LEO 1550
					Hour	\$20	Hitachi SU
					Hour	\$32	JEOL 100C
					Hour	\$44	JEOL TEM
					Hour	\$45	Hitachi HF-
					Hour	\$80	Tenaci F30
					Hour	\$15	Atomic For
					Hour	\$10	Gold / Carb
					Hour	\$10	Au-Pd
							Tier 2 (100
					Hour	\$132	Personal Se
					Hour	\$94	Personal Se
					Hour	\$15	LEO 1530
					Hour	\$17	LEO 1550
					Hour	\$10	Hitachi SU
					Hour	\$16	JEOL 100C
					Hour	\$22	JEOL TEM
					Hour	\$23	Hitachi HF-
					Hour	\$40	Tenaci F30
					Hour	\$8	Atomic For
					Hour	\$5	Gold / Carb
					Hour	\$5	Au-Pd
							Tier 3 (200
					Hour	\$132	Personal Se
					Hour	\$94	Personal Se
					Hour	\$8	LEO 1530
					Hour	\$8	LEO 1550
					Hour	\$5	Hitachi SU8
					Hour	\$8	JEOL 100C
					Hour	\$11	JEOL TEM
					Hour	\$11	Hitachi HF
					Hour	\$20	Tenaci F30
					Hour	\$4 \$2	Atomic For
					Hour	\$3	Gold / Carb
					Hour	\$3	Au-Pd

onal Institutions

ucture where total rates decline per group for each machine as usage

1st 0-100 Hours / Machine)

l Services-Director l Services-Research Scientist 30 50 SU8010 00CX-2 EM 4000EX HF-2000 F30 Force Carbon

100-200 Hours / Machine)

l Services-Director l Services-Research Scientist 30 50 SU8010 00CX-2 EM 4000EX HF-2000 F30 Force Carbon

200-300 Hours / Machine)

l Services-Director l Services-Research Scientist 30 50 SU8010 00CX-2 EM 4000EX HF-2000 F30 Force Carbon

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
	5	1					Tier 4 (30
					Hour	\$132	Personal S
					Hour	\$94	Personal S
					Hour	\$3	LEO 1530
					Hour	\$3	LEO 1550
					Hour	\$2	Hitachi SU
					Hour	\$3	JEOL 100
					Hour	\$4	JEOL TEN
					Hour	\$5	Hitachi HI
					Hour	\$8	Tenaci F30
					Hour	\$2	Atomic Fo
					Hour	\$1	Gold / Car
					Hour	\$1	Au-Pd
2. Glass Shop		Chemistry	7/1/17	10/31/18	Hour	\$50	Personal S
-					Hour	\$70	Personal S
					Hour	\$107	Personal S
					Cost	Cost	Supplies
3. NEETRAG	Consulting Services	ECE	6/17/14	9/10/18	Hour	\$123	Managers/
					Hour	\$94	Research H
					Hour	\$69	Research C
					Hour	\$44	Research 7
					Hour	\$28	Graduate F
					Hour	\$20	Undergrad
4. NEETRAG	Platform Services	ECE	7/1/18	9/10/18	Day	\$149	Platform S
					Day	\$633	HVL - Lab
					Day	\$171	MVL
					Day	\$93	MG
					Day	\$128	Materials 1
					Day	\$122	Building 3
					Day	\$136	Building 3
					Day	\$491	Outdoor

Service 300 - 10,000 Hours / Machine) l Services-Director l Services-Research Scientist 30 50 SU8010 00CX-2 EM 4000EX HF-2000 F30 Force Carbon Services & Equipment Services, Internal (GA Tech) Services & Equipment Services, External - Academic l Services & Equipment Services, External Industry ers/Consultants Engineers Coordinators Technicians Research Assistants raduate Research Assistants Service Processing Lab Area

ls Lab - FQA g 3 - West High Bay g 3 - East High Bay r

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
6.	NMR Center	Chemistry	8/1/18	10/1/18	Dasis	Amount	Education
0.	NMR Center	Chemistry	0/1/10	10/1/18	Hour	\$40	Personal S
					nou	ψτυ	Tier A (4)
					Hour	\$13	Pren
					Hour	\$7	Non
						<i><i><i>⁺</i>[,]</i></i>	Tier B (5)
					Hour	\$16	Pren
					Hour	\$8	Non
							Tier C (6)
					Hour	\$30	Pren
					Hour	\$20	Non
							<u>External</u>
					Hour	\$126	Personal S
							Machin
					Hour	\$69	Pren
					Hour	\$69	Non
7.	Materials Characterization Facility	IEN	12/15/14	9/19/18			Internal / I
					Hour	\$100	Operator/
							Equipmer
					Hour	\$40	Hitachi H
					Hour	\$35	Hitachi SU
					Hour	\$35	Thermo K
					Hour	\$35	Zeiss Ultra
							Equipmer
					Hour	\$45	FEI Nova
					Hour	\$45	FEI Quant
					Hour	\$45	IONTOF 7
					Hour	\$45	Kratos XP
					Hour	\$20	Equipmer
					Hour Hour	\$20 \$20	Hysitron 7 Bomon Sn
					Hour	\$20 \$20	Raman Sp Veeco AF
					Hour	\$20 \$20	Veeco AF
					Hour	\$20 \$20	Hummer 6
					Tiou	\$2U	i i uniniter (

onal Institutions

l Services, Other (4)

remium Rate (8AM-6PM) (3) on-premium time

5)

remium Rate (8AM-6PM) (3) on-premium time

6)

remium Rate (8AM-6PM) (3) on-premium time

Services, Other hine Service, per hour: remium Rate (8AM-6PM) (3) on-premium time

/ External Academic or/ Consultation ent Group 1 HT7700 TEM SU8230 K-Alpha XPS ltra60 FE-SEM nent Group 2 va Nanolab 200 FIB/SEM anta 200 3D FIB/SEM F Time-of-Flight SIMS XPS ent Group 3 n Tribolndenter Spectrometer AFM AFM II Dimension 3100 r 6 Gold/Palladium Sputter

Na	Name of Data Study	Department	Rate Study	Annual Validation	Rates Basis	Amount	
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	F
					Hour	\$20	Equipmen
					Hour Hour	\$20 \$20	Pananalytic Venus25 B
					Hour	\$20 \$20	ZONESEM
					Hour	\$20 \$20	Shel Lab V
					Hour	\$20 \$20	VWR Vacu
					Hour	\$20 \$20	Cressington
					Hou	\$20	<u>Industrial</u>
							Equipmen
					Hour	\$100	Hitachi HT
					Hour	\$100	Hitachi SU
					Hour	\$70	Thermo K-
					Hour	\$100	Zeiss Ultra
					noui	\$100	Equipmen
					Hour	\$135	FEI Nova I
					Hour	\$135	FEI Quanta
					Hour	\$150	IONTOF T
					Hour	\$70	Kratos XPS
						<i>4</i> , 4	Equipmen
					Hour	\$50	Hysitron T
					Hour	\$40	Raman Spe
					Hour	\$40	Veeco AFN
					Hour	\$40	Veeco AFN
					Hour	\$20	Hummer 6
							Equipmen
					Hour	\$50	Pananalytic
					Hour	\$20	Venus25 B
					Hour	\$20	ZONESEM
					Hour	\$20	Shel Lab V
					Hour	\$20	VWR Vacu
					Hour	\$20	Cressington

ent Group 4 ytical XRD Benchtop Plasma System EM Desktop Sample Cleaner Vacuum Öven acuum Oven gton Carbon Coater ent Group 1 HT7700 TEM SU8230 K-Alpha XPS tra60 FE-SEM **tent Group 2** va Nanolab 200 FIB/SEM unta 200 3D FIB/SEM F Time-of-Flight SIMS KPS ent Group 3 Tribolndenter pectrometer FM FM II Dimension 3100 6 Gold/Palladium Sputter ent Group 4 ytical XRD Benchtop Plasma System EM Desktop Sample Cleaner Vacuum Oven acuum Oven Cressington Carbon Coater

			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
9.	Cleanroom Access	IEN	9/1/19	9/19/18			Internal A
).)/1/1)	5/15/10	Month	\$220	Facility E
					Month	\$0	Facility E
					Hour	\$22	Cleanroon
					Hour	\$100	Research/
					Month	\$3,000	Special Pr
							External A
					Month	\$220	Facility E
					Month	\$0	Facility E
					Hour	\$22	Cleanroon
					Hour	\$100	Research/
							INDUSTE
					Month	\$605	Facility E
					Month	\$0	Facility E
					Hour	\$22	Cleanroon
					Hour	\$100	Research/
10.	Printing and Copying Center	OIT	6/1/16	9/11/18	Hour	\$83	Desktop S
					Hour	\$18	PrePress S
					Hour	\$49	Ryobi Ser
					Hour	\$48	Heidelber
					Сору	\$0.024	Quick Cop
					Сору	\$0.19	Color Cop
					Hour	\$30	Bindery H
					Hour	\$47	Cutter Ser
					Hour	\$55	Bourg Ser
					Hour	\$65	Folder Sei
					Cost plus	0%	Postage Se
					Hour	\$62	Inkjet Mai
					Hour	\$54	Envelope
					Hour	\$60	Small Bin
					Сору	\$0.04	Student Pi
					Сору	\$0.19	Student C
					Sq. Ft.	\$3.87	Wide For
					Cost plus	16%	Supplies &
15.	Mass Spectrometry Lab	Chemistry	5/9/16	10/30/18			<u>INTERNA</u>
					Hour	\$12	Personal S
					Hour	\$12	Instrumen <u>OTHER E</u>
					Hour	\$12	Personal S
					Hour	\$12	Instrumen
						¥- -	INDUSTE
					Hour	\$117	Personal S
					Hour	\$41	Instrumen
					11041	ψτι	monumen

Academic Entry Fee, (Inorganic Cleanroom) Entry Fee, (Organic Cleanroom) om Supply Use h/Equipment Services Time Projects Usage <u>l Academic</u> Entry Fee, (Inorganic Cleanroom) Entry Fee, (Organic Cleanroom) om Supply Use h/Equipment Services Time TRIAL RATES Entry Fee, (Inorganic Cleanroom) Entry Fee, (Organic Cleanroom) om Supply Use h/Equipment Services Time o Services s Services Services erg Windmill Services Copy Services, plus paper opier, plus paper Hand Labor Services Services Services Services Setvices lailer be Inserter ind Services Printing **Color Printing** ormat Printing s & Third Party NAL (GA Tech) l Services ent Services **REDUCATIONAL INSTITUTIONS RATE** l Services ent Services TRIAL RATE l Services ent Services

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
						†• •	
17.	Physiological Research Lab (Vivarium)	IBB	8/6/10	10/16/18	Hour	\$30	Assistance a
					Hour	\$10	Room Renta
					per Item	\$2	Laundry Ser
					per cage	\$20	Cage Splitti
					per use	\$45	Faxitron Us
					per day	\$20 \$25	Anesthesia
					per cycle	\$25	Gas Plasma
					Hour	\$30	Animal Pro
							ANIMAL H
							Mice & Rat
					Cage per Day	\$0.60	Mice-Conve
					Cage per Day	\$0.90	Mice-Sterile
					Cage per Day	\$0.90	Rats-Conve
					Cage per Day	\$1.20	Rats-Sterile
					Cage per Day	\$1.20	Rodent-Spe
							Other Speci
					Animal Day	\$0.80	Lizard/Gecl
					Animal Day	\$2.79	Rabbits
					Animal Day	\$2.10	Guinea Pigs
					Animal Day	\$4.59	Cats
					Cost plus	25%	Supplies

ce & Special Labor ental (max 5hrs/day) Service itting Use ia Machine Use ma Sterilization Procurement (minimum 1 hr/per order) L HUSBANDRY: Rats nventional erile Caging nventional rile Caging Special Caging ecies eckos

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			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
10 II' (1 - I 1		IDD	())(1)	0/01/10			CT L (
18. Histology Lab		IBB	6/26/14	9/21/18	Hour	\$16	<u>GT Interna</u> Personal S
					nou	\$10	Processing
					Sample	\$3.00	Parraffin (1
					Sample	\$5.00	Parraffin (S
					Sample	\$5.00	Resin (Epc
					Sample	\$10.00	Resin (GM
					Sample	\$12.00	Resin (MN
					1	• • • •	Embeddin
					Sample	\$5.00	Frozen
					Sample	\$1.00	Parraffin (I
					Sample	\$8.00	Parraffin (S
					Sample	\$6.00	Resin (Epo
					Sample	\$6.00	Resin (GM
					Sample	\$6.00	Resin (MM
							Sectioning
					Slide	\$2.00	Frozen
					Slide	\$0.50	Paraffin
					Slide	\$2.00	Microtome
					Cut	\$5.00	Isomet
					Slide	\$10.00	Exakt Grin
							Staining:
					Slide	\$2.00	H&E
					Slide	\$5.00	Special
					Slide	\$8.00	IHC
							Other
					Sample	\$5.00	Decalcifica
					Slide	\$5.00	Antigen Re
					Slide	\$1.00	Coverslipp
						COST	Supplies -
							Other Acad
					Hour	\$24.00	Personal S
							Processing
					Sample	\$6.00	Parraffin (1
					Sample	\$6.00	Parraffin (S
					Sample	\$10.00	Resin (Epo
					Sample	\$15.00	Resin (GM
					Sample	\$20.00	Resin (MM
						¢.c.o.o	Embeddin
					Sample	\$6.00	Frozen
					Sample	\$3.00	Parraffin ()
					Sample	\$10.00 \$24.00	Parraffin (S
					Sample	\$24.00 \$24.00	Resin (Epo
					Sample	\$24.00 \$24.00	Resin (GM
					Sample	\$24.00	Resin (MM

Service

rnal l Services ing: n (Routine) (Special) Epoxy) GMA) MMA) ding: (Routine) (Special) Epoxy) GMA) MMA) ing: me irinding g: fication Retrival ipping Academic & Industry Partner al Services s**ing:** n (Routine) ı (Special) Epoxy) GMA) MMA) ding: (Routine) (Special) Epoxy) GMA) MMA)

			Rate	Annual			
			Study	Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
							Sectioning
					Slide	\$4.00	Frozen
					Slide	\$0.75	Paraffin
					Slide	\$5.00	Microtome
					Cut	\$10.00	Isomet
					Slide	\$12.00	Exakt Grin
							Staining:
					Slide	\$5.00	H&E
					Slide	\$20.00	Special
					Slide	\$30.00	IHC
							Other
					Sample	\$10.00	Decalcifica
					Slide	\$10.00	Antigen Re
					Slide	\$1.00	Coverslipp
						COST	Supplies - I
							<u>Industry</u>
					Hour	\$32.00	Personal Se
							Processing
					Sample	\$6.00	Parraffin (F
					Sample	\$10.00	Parraffin (S
					Sample	\$17.00	Resin (Epo
					Sample	\$35.00	Resin (GM
					Sample	\$50.00	Resin (MM
							Embedding
					Sample	\$11.00	Frozen
					Sample	\$7.00	Parraffin (F
					Sample	\$23.00	Parraffin (S
					Sample	\$121.00	Resin (Epo
					Sample	\$144	Resin (GM
					Sample	\$138.00	Resin (MM
							Sectioning
					Slide	\$8.00	Frozen
					Slide	\$1.00	Paraffin
					Slide	\$13.00	Microtome
					Cut	\$13.00	Isomet
					Slide	\$13.00	Exakt Grin
							Staining:
					Slide	\$32.00	H&E
					Slide	\$42.00	Special
					Slide	\$47.00	IHC
							Other
					Sample	\$19.00	Decalcifica
					Slide	\$14.00	Antigen Re
					Slide	\$1.00	Coverslipp
						000 -	~ **

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Service

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fication a Retrival ipping s - Pass Through d l Services **sing:** n (Routine) n (Special) Epoxy) GMA) MMA) **ding:**

n (Routine) n (Special) Epoxy) GMA) MMA) **ing:**

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COST

Brinding **g:**

Decalcification Antigen Retrival Coverslipping Supplies - Pass Through

11/15/2019

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
20.	Georgia Industrial Fellowships for Teachers	CEISMC	4/11/16	9/17/17			On Campi
					Participant	\$1,500	Administr <u>Off Camp</u>
					Participant	\$2,250	Administr
21.	Testing Services	RBI	10/1/19	8/27/18			<u>INTERNA</u>
					Hour	\$90	Senior Sci
					Hour	\$68	Analyst
						\$ 00	INDUSTR
					Hour	\$99	Senior Sci
					Hour	\$75	Analyst
					Hour	\$60	Consultin
22.	Technical Services Organization	CoC	11/6/15	9/18/18	EFT per year	\$6,123	Computin
24.	Professional Education	GTPE	6/23/16	9/11/18			GTPE Ad
					Federal	Other	
					26.5%	27.5%	Contract V
					22.0%	23.0%	Contract V
					12.5%	13.5%	Contract V
					10.5%	11.5%	Contract V
					8.5%	9.5%	Contract V
					9.0%	10.0%	Contract V

npus Rate strative Charge npus Rate strative Charge

NAL, ACADEMIC, INDUSTRY MEMBERS Scientist

<u>TRIAL - NON-MEMBER</u> Scientist

ing Services

ting & Networking Services

Administrative Charge - Sponsored PE Contracts

t Value < \$5K t Value \$5K - < \$10K t Value \$10K - < \$30K t Value \$30K - < \$50K t Value \$50K - < \$100K t Value > \$100K

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
25.	Electron Beam Laboratory	IEN	6/1/18	9/19/18	Duoio	7 infount	US Acade
25.	Election Beam Euroratory		0/1/10	717/10	Hour	\$100	Staff Time
					Hour	\$60	EBL Macl
					110 ut	400	Foreign A
					Hour	\$100	Staff Time
					Hour	\$90	EBL Mach
							Industrial
					Hour	\$100	Staff Time
					Hour	\$90	EBL Mach
							GT Studer
26.	3-D Printer	COD	7/14/17	9/17/18	Cubic Inch	\$4.75	Dimensior
					ML	\$0.37	Form 2 - F
					ML	\$0.50	Form 2 - F
					Cubic Inch	\$5.50	Zcorp - Pc
							Internal N
					Cubic Inch	\$9.50	Dimension
					ML	\$0.74	Form 2 - H
					ML	\$1.00	Form 2 - F
					Cubic Inch	\$6.72	Zcorp - Pc
27.	Telecom	OIT	7/1/18	9/10/18			Internal
21.	relecom	OII	//1/10	9/10/18	FTE	\$475.00	Telecom
					112	Q - 75.00	
				- / /			Internal
28.	Neuro Lab	BME	11/28/15	9/10/18	Group per Semster	\$1,264.29	Lab Coord
					Group per Semster	\$112.41	Lab Suppl
					Group per Semster	\$52.49	Lab Gas C
					Hour	\$9.03	<u>External</u> Instrument
20	Mission lucit Contan	MCE	2/20/14	0/17/19			T., 4 1
29.	Microanalysis Center	MSE	3/28/14	9/16/18	Цаля	\$20	Internal Demonal S
					Hour Hour	\$30 \$30	Personal S Instrument
					nour	\$30	Instrument Industrial
					Hour	\$36	Personal S
					Hour	\$30 \$45	Instrument
					11001	ψτυ	msuumen

Service

demic Institutions me achine Time <u>Academic Institutions</u> me achine Time <u>al</u> me achine Time

dent Enrolled in COD Studio sion FDM Printing - High Res Clear and White - Rubber Powder

Non COD & Federal Entities sion FDM Printing - High Res Clear and White - Rubber Powder

ordination and Communications Fee oplies and Services s Charges <u>1</u> ent Services

Personal Services Instrument Services <u>Industrial</u> Personal Services Instrument Services

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
30. NMRI-MR Imaging Fa		BME	7/1/18	9/18/18			Internal
					Hour	\$70	Personal S
					Hour	\$110	Instrument
							External (I
					Hour	\$72	Personal S
					Hour	\$241	Instrument
32. Center for Advanced B	rain Imaging	CoS	3/10/16	9/7/18			<u>Internal</u>
					Hour	\$42	Weekend /
					Hour	\$90	Consulting
					Hour	\$82	Facility Us
					Hour	\$425	Instrument
							External/Ir
					Hour	\$42	Weekend /
					Hour	\$90	Consulting
					Hour	\$82	Facility Us
					Hour	\$525	Instrument
34. Optical Microscopy		IBB	11/7/17	9/21/18			<u>Georgia T</u>
					Hour	\$22	Instrument
					Hour	\$24	Personal S
							Affiliates a
					Hour	\$30	Instrument
					Hour	\$32	Personal S
							<u>Industry</u>
					Hour	\$105	Instrument
					Hour	\$69	Personal S
35. Vacuum Test Facility		AE	2/24/16	9/17/18	Day	\$621	Main Char
					Day	\$1,605	Main Char
					Day	\$621	Small Cha
					Day	\$1,605	Small Cha

Il Services - (1 hour minimum) ent Services - (1 hour minimum) Il (Industry) Il Services - (1 hour minimum) ent Services - (1 hour minimum)

nd / Evening ing Services Use ent Services

<u>al/Industry</u> ad / Evening ting Services y Use tent Services

<u>a Tech</u> ent Services 1 Services es and Industry Partners ent Services 1 Services <u>2</u> ent Services 1 Services

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No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
38. Genom	e Analysis	IBB	7/1/17	9/21/18			GT Users
					Hour	\$52	Personal S
					unit	\$1,210	96.96 Ge
					unit	\$836	96.96 Ge
					unit	\$57	96.96 Pre
					unit	\$603	48.48 Ge
					unit	\$542	48.48 Ge
					unit	\$57	48.48 Pre
					unit	\$606	48.48 Ta
					unit	\$762	12 X 12
					unit	\$54	Nano Bio
					unit	\$5	Nano Bio
					unit	\$73	Pico Bioa
					unit	\$5	Pico Bioa
					unit	\$2	Nano Dr
					per chip (8 samples)	\$40	ddPCR
					per chip (8 samples)	\$16	ddPCR v
					unit	\$0	Nucleofe
					Per Cartidrge	\$200	BioRad d
					unit	\$5	Step One
					Per Sample	\$50	Library
					Sample	\$2,200	Chromiur
					Sample	\$1,750	Chromiur
					Sample	\$2,050	Chromiur
					Sample	\$1,600	Chromiur
					Sample	\$2,050	Single Ce
					Sample	\$1,600	Single Ce

Service

rs l Services, per hours Gene Expression Genotyping Pre-Amp Gene Expression Genotyping Pre-Amp Taqman Gene Expression 2 Chip Bioanalyzer Bioanalyzer w/o Reagents oanalyzer oanalyzer w/o Reagents Drop w/o reagents ofector ddSEQ ne PLus 96 well RT PCR S

ium[™] Single Cell 3' GEM, Library & Isolation and Prep Single Sample ium[™] Single Cell 3' GEM, Library & Isolation and Prep 4 Sample Sets ium[™] Single Cell 5' Library & Library & Isolation and Prep, Single Sample ium[™] Single Cell 5' Library & Library & Isolation and Prep, 4 Sample Sets Cell ATAC Seq Assay Cell ATAC Seq Assay, 4 sample Set

N			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	A CC1: 4
					Hour	\$52	<u>Affiliates a</u> Personal S
					unit	\$1,469	96.96 Gen
					unit	\$1,015	96.96 Gen
					unit	\$70	96.96 Pre-
					unit	\$713	48.48 Gen
					unit	\$547	48.48 Gen
					unit	\$70	48.48 Pre-
					unit	\$774	48.48 Taq
					unit	\$788	12 X 12 C
					unit	\$58	Nano Bioa
					unit	\$80	Pico Bioa
					unit	\$2	Nano Droj
					per chip (8 samples)	\$40	ddPCR
					per chip (8 samples)	\$16	ddPCR w/
					unit	\$7	Nucleofec
					Per Cartidrge	\$250	BioRad d
					unit	\$5	Step One 1
					Per Sample	\$100	Library
					Sample	\$2,200	Chromium
					Sample	\$1,750	Chromium
					Sample	\$2,050	Chromium
					Sample	\$1,600	Chromium
					Sample	\$2,050	Single Cel
					Sample	\$1,600	Single Cel
					i	- ,	0

Service

es and Industry Partners l Services, per hours ene Expression enotyping re-Amp ene Expression enotyping re-Amp aqman Gene Expression Chip ioanalyzer oanalyzer rop w/o reagents fector ł ddSEQ

11/15/2019

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um[™] Single Cell 3' GEM, Library & Isolation and Prep Single Sample um[™] Single Cell 3' GEM, Library & Isolation and Prep 4 Sample Sets um[™] Single Cell 5' Library & Library & Isolation and Prep, Single Sample um[™] Single Cell 5' Library & Library & Isolation and Prep, 4 Sample Sets Cell ATAC Seq Assay Cell ATAC Seq Assay, 4 sample Set

			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
		*					External (In
					Hour	\$52	Personal Ser
					unit	\$1,646	96.96 Gene
					unit	\$904	96.96 Genot
					unit	\$82	96.96 Pre-A
					unit	\$713	48.48 Gene
					unit	\$547	48.48 Genot
					unit	\$82	48.48 Pre-A
					unit	\$774	48.48 Taqma
					unit	\$788	12 X 12 Chi
					unit	\$63	Nano Bioana
					unit	\$82	Pico Bioana
					unit	\$82 \$2	Nano Drop
					per chip (8 samples)	\$48	ddPCR
							ddPCR w/o
					per chip (8 samples) unit	\$28 \$7	
							Nucleofector
					Per Cartidrge	\$258	BioRad ddS
					unit	\$5	Step One PL
					Per Sample	\$412	Library
					Sample	\$2,510	Chromium [™]
					Sample	\$2,314	Chromium™
					Sample	\$2,281	Chromium™
					Sample	\$2,196	Chromium
					Sample	\$2,250	Single Cell A
					Sample	\$2,122	Single Cell A
							Internal/Fed
41. Cryo-EM Cer	nter	Biology	7/1/18	10/23/17	Hour	\$50	TEM
					Hour	\$70	Cryo-EM
							External Aca
					Hour	\$50	TEM
					Hour	\$70	Cryo-EM
							<u>Industrial</u>
					Hour	\$344	TEM
					Hour	\$344	Cryo-EM
					nou	ψ5++	Cryo Livi
43. Invention Stu	l'a Canton	ME	7/1/10	10/21/17	Calie Inst	\$20	Internal
43. Invention Stu	dio Center	ME	7/1/18	10/31/17	Cubic Inch	\$30	Objet Eden
					Cubic Inch	\$20	F170
					Cubic Inch	\$25	EOS Formig
						• • •	External/Ind
					Cubic Inch	\$60	Objet Eden
					Cubic Inch	\$48	F170
					Cubic Inch	\$33	EOS Formig

Service

l (Industry) l Services, per hours ene Expression Benotyping re-Amp ene Expression enotyping re-Amp aqman Gene Expression Chip ioanalyzer oanalyzer rop w/o reagents fector ddSEQ ne PLus 96 well RT PCR S

um[™] Single Cell 3' GEM, Library & Isolation and Prep Single Sample um[™] Single Cell 3' GEM, Library & Isolation and Prep 4 Sample Sets um[™] Single Cell 5' Library & Library & Isolation and Prep, Single Sample um[™] Single Cell 5' Library & Library & Isolation and Prep, 4 Sample Sets Cell ATAC Seq Assay Cell ATAC Seq Assay, 4 sample Set

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			Rate	Annual	D (
No.	Name of Rate Study	Department	Study Date	Validation Date	Rates Basis	Amount	Service
47.	High Performace Computing (HPC)	OIT	1/1/19	10/10/18			Internal/External
	S 1 S()				Service A - Total Flat Rate Per Compute Server:	\$2,665	Service A - Infrastructure and Support
					Service B - Total Flat Rate Per TB of Storage:	\$2,009 \$80	Service B - DDN Project Storage
					Service C - Total Flat Rate Per Compute Server:	\$3,199	Service C - ITAR Infrastructure and Support
					Service D - Total Flat Rate Per TB of Storage:	\$187	Service D - ITAR Storage
					Service E - Total Flat Rate Per TB of Storage:	\$41	Service E - Archival Storage
					Service F - Total Flat Rate Per TB of Storage:	\$112	Service F - Dataset Publication
							Service A
					CPU Hourly Rates	\$0.0486	8 Core Node:
					CPU Hourly Rates	\$0.0324	12 Core Node:
					CPU Hourly Rates	\$0.0243	16 Core Node:
					CPU Hourly Rates	\$0.0194	20 Core Node:
					CPU Hourly Rates	\$0.0162	24 Core Node:
					CPU Hourly Rates	\$0.0139	28 Core Node:
					CPU Hourly Rates	\$0.0121	32 Core Node:
					CPU Hourly Rates	\$0.0108	36 Core Node:
					CPU Hourly Rates	\$0.0097	40 Core Node:
					CPU Hourly Rates	\$0.0069	56 Core Node:
					CPU Hourly Rates	\$0.0059	64 Core Node:
							ITAR
					CPU Hourly Rates	\$0.0583	8 Core Node:
					CPU Hourly Rates	\$0.0389	12 Core Node:
					CPU Hourly Rates	\$0.0292	16 Core Node:
					CPU Hourly Rates	\$0.0233	20 Core Node:
					CPU Hourly Rates	\$0.0194	24 Core Node:
					CPU Hourly Rates	\$0.0167	28 Core Node:
					CPU Hourly Rates	\$0.0146	32 Core Node:
					CPU Hourly Rates	\$0.0130	36 Core Node:
					CPU Hourly Rates	\$0.0117	40 Core Node:
					CPU Hourly Rates	\$0.0083	56 Core Node:
					CPU Hourly Rates	\$0.0071	64 Core Node:
							External (includes GTRI):
					Service B - Total Flat Rate Per TB of Storage:	\$83.00	Service B - DDN Project Storage

			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
48.	Mesoscale Materials Characterization	ME	4/2/14	10/31/17			Education
10.			1/2/11	10/01/17	Hour	\$35	SEM
					Hour	\$45	SEM + EE
					110 001	\$.0	Industrial
					Hour	\$42	SEM
					Hour	\$62	SEM + EB
49.	Carbon Fiber Research Center	MSE	3/18/14	9/8/18	Hour	\$72	Personal S
					Day	\$626	Single Fila
					Day	\$2,515	Multifilam
					Week	\$11,256	Multifilam
					Hour	\$68	Solution P
					Day	\$794	Extruder
					Hour	\$55	Characteriz
					Hour	\$94	Xray Diffr
					Hour	\$626	Batch Furr
50.	Machine Shop	AE	5/12/14	9/17/18			Educationa
					Hour	\$55	Personal S
					Hour	\$0	Machine S
					Hour	\$55	Combined
							Industrial
					Hour	\$65	Personal S
					Hour	\$3	Machine S
					Hour	\$68	Combined
51.	GTMI Prototype Lab	GTMI	6/2/14	9/17/18			<u>GT & IPP</u>
					Hour	\$35	Personal S
					Hour	\$60	GF Agie C
					Hour	\$60	Bridgeport
					Hour	\$60	Okuma Ge
					Hour	\$125	Optomec A
					Cubic In.	\$11	Statasys Co
					Cubic In.	\$16	Stratasys N
							<u>Industrial</u>
					Hour	\$35	Personal S
					Hour	\$130	GF Agie C
					Hour	\$120	Bridgeport
					Hour	\$120	Okuma Ge
					Hour	\$156	Optomec A
					Cubic In.	\$11	Statasys Co
					Cubic In.	\$16	Stratasys N

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EBSD

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ll Services e Charmilles

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52. Cellular Analysis Core IBB 12/15/16 9/21/18 Hour S18 Personal Se Hour S10 BD FACS. Hour S10 BD FACS. Hour S10 BD FACS. Hour S10 BD ACU. Hour S10 BD FACS. Hour S10 BD ACU. Hour S10 AMBR Mid. Hour S10 AMBR Mid. Hour S10 I.i-COR Hour S10 Multisizer Hour S10 Amise No. Multisizer No. Multisizer Hour S10 Amise No. No. Multisizer No. S10 Multisizer Hour S10 Amise No. No. S16 Personal SE Hour S18 BD FACS. Hour S18 BD Accuri Hour S18 BD FACS. Hour S18 BD FACS. Hour S18 BD FACS. Hour S10 Amis Flow Hour S10 NB FACS. Hour S10 BD FACS. Hour S10	No.		Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
Hour \$18 Personal 52 Hour \$10 BD FACS. Hour \$10 BD FACS. Hour \$10 BD LSR. Hour \$10 BD LSR. Hour \$10 BD Accuri Hour \$10 BD Accuri Hour \$10 MdB Ndii Hour \$10 MdB Ndii Hour \$10 MdBisizer Hour \$16 Personal 52 Hour \$16 Personal 52 Hour \$16 Personal 52 Hour \$18 BD FACS. Hour \$18 BD FACS. Hour \$18 BD Accuri Hour \$10 BD FACS. Hour \$10 <th>52.</th> <th>Cellular Analysis Core</th> <th></th> <th>IBB</th> <th>12/15/16</th> <th>9/21/18</th> <th></th> <th></th> <th>GT Investig</th>	52.	Cellular Analysis Core		IBB	12/15/16	9/21/18			GT Investig
HourS10BD FACS.HourS54BD FACS.HourS10BD LSR.IIHourS10BD AccurHourS10MultisizerHourS10MultisizerHourS10MultisizerHourS10MultisizerHourS10MultisizerHourS10MultisizerHourS18BD FACS.HourS18BD FACS.HourS19BD FACS.HourS10BD FACS.HourS13BD FACS.HourS13BD FACS.HourS13BD FACS.HourS13BD FACS.HourS13BD FACS.HourS13BD FACS.HourS13BD FACS.HourS13BD FACS.HourS13BD FACS.HourS15HARM.HourS15HARM.HourS15HARM.HourS15HARM.HourS16HARM.HourS17HARM. <tr< td=""><td>02.</td><td></td><td></td><td></td><td>12,10,10</td><td><i>y</i>,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</td><td>Hour</td><td>\$18</td><td></td></tr<>	02.				12,10,10	<i>y</i> , _ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Hour	\$18	
HourS10BD FACS.HourS10BD LSS. IIHourS10BD AccuiHourS10AMBR MiHourS10Li-CORHourS10MultisizerHourS10MultisizerHourS10MultisizerHourS10MultisizerHourS10Postnal SHourS10Postnal SHourS10BD FACS.HourS18BD FACS.HourS18HoursHourS18HoursHourS18BD FACS.HourS18BD FACS.									
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Hour \$75 BD FACS 4 Hour \$18 BD LSR II Hour \$18 BD Accuri Hour \$18 BD Accuri Hour \$15 Li-COR Hour \$18 Multisizer Hour \$18 Multisizer Hour \$14 Amnis Flow Industry Hour \$13 BD FACS 4 Hour \$20 BD Accuri Hour \$20 BD Accuri Hour \$21 BD CAR 4 Hour \$21 Li-COR Hour \$21 Li-COR									
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Hour\$18BD AccuriHour\$20AMBR MidHour\$15Li-CORHour\$18MultisizerHour\$18MultisizerHour\$18MultisizerHour\$10BD FACS AHour\$130BD FACS AHour\$130BD FACS AHour\$130BD FACS AHour\$130BD FACS AHour\$20BD AccuriHour\$20BD AccuriHour\$21Li-CORHour\$27Multisizer									
Hour\$20AMBR MidHour\$15Li-CORHour\$18MultisizerHour\$14Amnis FlowIndustryIndustryHour\$46Personal SeHour\$130BD FACS AHour\$130BD FACS AHour\$130BD LSR IIHour\$31BD LSR IIHour\$20BD AccuriHour\$20BD AccuriHour\$25AMBR MidHour\$21Li-CORHour\$27Multisizer									
Hour\$15Li-CORHour\$18MultisizerHour\$14Amnis FlowIndustryIndustryHour\$46Personal SeHour\$130BD FACS AHour\$130BD FACS AHour\$130BD FACS AHour\$31BD FACS AHour\$31BD FACS AHour\$20BD AccuriHour\$25AMBR MidHour\$21Li-CORHour\$27Multisizer									
Hour\$18MultisizerHour\$14Amnis FlowIndustryIndustryHour\$46Personal SeHour\$130BD FACS AHour\$130BD FACS AHour\$31BD LSR IIHour\$20BD AccuriHour\$25AMBR MidHour\$21Li-CORHour\$27Multisizer									
Hour\$14 ndustryHour\$46Personal SeHour\$130BD FACSHour\$130BD FACSHour\$13BD LSR IIHour\$20BD AccuriHour\$25AMBR MidHour\$21Li-CORHour\$27Multisizer									
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Hour\$31BD LSR IIHour\$20BD AccuriHour\$25AMBR MidHour\$21Li-CORHour\$27Multisizer									
Hour\$20BD AccuriHour\$25AMBR MidHour\$21Li-CORHour\$27Multisizer									
Hour\$25AMBR MidHour\$21Li-CORHour\$27Multisizer									
Hour\$21Li-CORHour\$27Multisizer									
Hour \$27 Multisizer									

Service

<u>stigators</u> Services CS ARIA IIIu Analyser CS ARIA IIIu Sorter II or BD Fortessa curi Analyzer Microbioreactor er Flowsight cademic Investigators & Industry Partners l Services CS ARIA IIIu Analyser CS ARIA IIIu Sorter II or BD Fortessa uri Analyzer Microbioreactor er lowsight Services CS ARIA IIIu Analyser CS ARIA IIIu Sorter II or BD Fortessa curi Analyzer Microbioreactor er lowsight

No.	Name of Rate Study	y Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
54.	XRD Center	IMaT	2/23/15	9/18/18			Educationa
							Tier Struct
							increases
							Tier 1 (1st
					Hour	\$34.00	Personal Se
					Hour	\$17.00	X-Ray Serv
							Tier 2 (1st
					Hour	\$17.00	Personal Se
					Hour	\$8.50	X-Ray Serv
							Tier 3 (1st
					Hour	\$8.50	Personal Se
					Hour	\$4.25	X-Ray Serv
							Tier 4 (1st
					Hour	\$3.40	Personal Se
					Hour	\$1.70	X-Ray Serv
							<u>Industrial</u>
					Hour	\$53.00	Personal Se
					Hour	\$41.00	X-Ray Serv
							GA Tech
55.	Neuro Design Suite	IBB	5/11/15	9/21/18	Hour	\$85.00	Machine Se
							Other Acad
					Hour	\$100.00	Machine Se
							Industrial
					Hour	\$125.00	Machine Se
							Educationa
57.	Precision Services Lab	ME	9/28/15	10/13/17	Hour	\$193.00	CT Scanner
					Hour	\$171.00	Equipment
							Industrial
					Hour	\$193.00	CT Scanner
					Hour	\$171.00	Equipment

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			Rate Study	Annual Validation	Rates		
	Name of Rate Study	Department	Date	Date	Basis	Amount	Service
Molecular Evoluti	ion	IBB	7/1/17	9/21/18			Internal
				IBB/EBB	Hour	\$85	Consultation Charge
				IBB	Run	\$2,813	HiSeq Rapid Run (100) PE50
				IBB	Run	\$324	HiSeq Rapid Run (100) PE50 w/o reagents
				IBB	Run	\$3,818	HiSeq Rapid Run (200 cycles) PE100
				IBB	Run	\$439	HiSeq Rapid Run (200 cycles) PE100 w/o reagents
				IBB	Run	\$5,035	HiSeq Rapid Run (300 cycles) PE150
				IBB	Run	\$579	HiSeq Rapid Run (300 cycles) PE150 w/o reagents
				IBB	Run	\$6,509	HiSeq Rapid Run (500 cycles) PE250
				IBB	Run	\$749	HiSeq Rapid Run (500 cycles) PE250 w/o reagents
				IBB	Run	\$1,647	HiSeq Rapid Run (50 cycles) SE50
				IBB	Run	\$189	HiSeq Rapid Run (50 cycles) SE50 w/o reagents
				IBB	Run	\$2,255	HiSeq Rapid Run (100 cycles) SE100
				IBB	Run	\$2,235	HiSeq Rapid Run (100 cycles) SE100 w/o reagents
				IBB	Run	\$2,864	HiSeq Rapid Run (150) SE150
				IBB	Run	\$329	HiSeq Rapid Run (150) SE150 w/o reagents
				IBB	Lane	\$896 \$825	HiSeq High Output Run (50) SE50
				IBB	Lane	\$825	HiSeq High Output Run (50) SE50 w/o reagents
				IBB	Lane	\$1,227	HiSeq High Output Run (100) SE100
				IBB	Lane	\$141	HiSeq High Output Run (100) SE100 w/o reagents
				IBB	Lane	\$1,557	HiSeq High output (125) SE125
				IBB	Lane	\$232	HiSeq High output (125) SE125 w/o reagents
				IBB	Lane	\$1,527	HiSeq High Output Run (100) PE50
				IBB	Lane	\$176	HiSeq High Output Run (100) PE50 w/o reagents
				IBB	Lane	\$2,188	HiSeq High Output Run (200) PE100
				IBB	Lane	\$252	HiSeq High Output Run (200) PE100 w/o reagents
				IBB	Lane	\$2,275	HiSeq High Output Run (250) PE125
				IBB	Lane	\$262	HiSeq High Output Run (250) PE125 w/o reagents
				IBB	Sample	\$5	Qubit
				IBB	Sample	\$65	Library preparation (Nextera XT)
				IBB	Sample	\$30	W/o reagents
				IBB	-	\$103	•
					Sample		Library preparation (Nextera DNA)
				IBB	Sample	\$30	W/o reagents
				IBB	Sample	\$100	Library preparation (TruSeq RNA)
				IBB	Sample	\$42	W/o reagents
				IBB	Sample	\$65	Library preparation (TruSeq DNA - with sheared DN
				IBB	Sample	\$30	W/o reagents
				IBB	Sample	\$148	Library preparation (Nextera Exome)
				IBB	Sample	\$46	W/o reagents
				IBB	Sample	\$55	Library preparation (NEB DNA Ultra II)
				IBB	Sample	\$30	W/o reagents
				IBB	Sample	\$75	Library preparation (NEB RNA Ultra II)
				IBB	Sample	\$36	W/o reagents
				IBB	Run	\$490	cBOT separation
				IBB	Run	\$40	W/o reagents
				IBB	Sample	\$5	Sanger Sequencing
				EBB	Run	\$1,448	NextSeq Mid Output Kit SE150 or PE75
				EBB	Run	\$430	NextSeq Mid Output Kit SE150 of PE75 service only
				EBB	Run	\$2,095	NextSeq Mid Output Kit SE150 of 1275 service only NextSeq Mid Output Kit PE150
				EBB	Run	\$465	NextSeq Mid Output Kit PE150 service only
				EBB	Run	\$1,813	NextSeq High Output Kit SE75 or PE35
				EBB	Run	\$450	NextSeq High Output Kit SE75 or PE35 service only
				EBB	Run	\$3,138	NextSeq High Output Kit SE150 or PE75
				EBB	Run	\$520	NextSeq High Output Kit SE150 or PE75 service onl
				EBB	Run	\$4,796	NextSeq High Output Kit PE150
				EBB	Run	\$607	NextSeq High Output Kit PE150 service only
				EBB	Run	\$960	MiniSeq High Output Kit SE75 or PE35
				EBB	Run	\$170	MiniSeq High Output Kit SE75 or PE35 service only
				EBB	Run	\$1,122	MiniSeq High Output Kit SE150 or PE75
				EBB	Run	\$198	MiniSeq High Output Kit SE150 or PE75 service only

			Rate	Annual				
			Study	Validation		Rates		
No.	Name of Rate Study	Department	Date	Date		Basis	Amount	
					EBB	Run	\$660	MiniSeq N
					EBB	Run	\$117	MiniSeq N
					EBB	Chip	\$33	Bioanalyz
					EBB	Chip	\$58	Bioanalyz
					EBB	Chip	\$27	Bioanalyz
					EBB	Chip	\$42	Bioanalyz
					EBB	Chip	\$68	Bioanalyz
					EBB	Chip	\$50	Bioanalyz
					EBB	Hour	\$10	"Andrew"
					EBB	Use	\$200	Set up fee
					EBB	Sample	\$3	DNA Extr
					EBB	Sample	\$3	RNA Extra
					EBB	Phage displays	\$10,000	DSFV Pha
					EBB	Phage displays	\$20,000	DSFV Pha
					EBB	Clone	\$100	Custom Cl
					EBB	Clone	\$1,000	Custom Cl
					EBB	Reaction	\$30	Error Pron
					EBB	Library	\$500	Error Pron
					EBB	Library	\$715	Custom Re
					EBB	Vial	\$30	E. coli and
					EBB	Units	\$15	Taq DNA
					EBB	Units	\$25	Phusion D
					EBB	Loads	\$50	DNA ladd
					EBB	Set	\$500	GT XT cu
					EBB	Set	\$500	GT XT cu
					EBB	Set	\$500	GT XT cu
					EBB	Set	\$500	GT XT cu
					EBB	1/vial/yr	\$1	frozen stoe
					EBB	Prep plus shipping	\$50	Plasmid Pi
					EBB	Sleeve	\$20	Agar plate
					EBB	Colonies	\$20	Colony Pie
					EBB	Reacton	\$5	Sanger seq
					EBB	Vial	\$25	Gel purific
					EBB	5/1M , 1ml	\$5	IPTG solu
					EBB	L	\$20	Medium fo
					EBB	Reaction	\$3	Gibbson a
					EBB	Sample	\$5	Qubit DN
					EBB	Sample	\$50	NGS DNA
					EBB	Sample	\$55	NGS plasm
					EBB	Month/User	\$399	Cell cultur
					EBB	Tube	\$1	Antibiotics
					EBB	Hour	\$2	Remote de

Service Mid Output Kit PE150 Mid Output Kit PE150 service only yzer 2100 (DNA 1000) yzer 2100 (DNA HS) yzer 2100 (RNA) yzer 2100 w/o seq at core (DNA 1000) yzer 2100 w/o seq at core (DNA HS) yzer 2100 w/o seq at core (protein) w" pipetting robot ee for Andrew pipetting Robot xtraction /sample xtraction /sample Phage Display (1) Phage Display (10) Cloning (basic) Cloning (advanced) one PCR one PCR with Library Construction Region Saturated mutagenisis library and Yeast competent cells A polymerase, 1000 units DNA polymerase, 1000 units dder, 100 custom adapter primers SetA custom adapter primers SetB custom adapter primers SetC custom adapter primers SetD tock sample storage -80 Prep and shipment ates (per 20 plates) Picking, 1000 colonies sequencing ification of the NGS libraries olution, 1M solution; 1mL n for bacterial and yeast groth, 1L n assembly enzyme mixture 1 reaction NA measurment /sample NA Library preparation NEB asmid sequencing ture room usage tics stock solutions

desktop Genious DNA analysis software

		Rate Study	Annual Validation	Rates		
Name of Rate Study	Department	Date	Date	Basis	Amount	Service
France of France Study	Department	Bute	Duit	Duble	1 infount	External Academic/Industry Partners
			IBB/EBB	Hour	\$85	Consultation Charge
			IBB	Run	\$2,813	HiSeq Rapid Run (100) PE50
			IBB	Run	\$324	HiSeq Rapid Run (100) PE50 w/o reagents
			IBB			HiSeq Rapid Run (200 cycles) PE100
				Run	\$3,818	
			IBB	Run	\$439	HiSeq Rapid Run (200 cycles) PE100 w/o reagents
			IBB	Run	\$5,035	HiSeq Rapid Run (300 cycles) PE150
			IBB	Run	\$579	HiSeq Rapid Run (300 cycles) PE150 w/o reagents
			IBB	Run	\$6,509	HiSeq Rapid Run (500 cycles) PE250
			IBB	Run	\$749	HiSeq Rapid Run (500 cycles) PE250 w/o reagents
			IBB	Run	\$1,647	HiSeq Rapid Run (50 cycles) SE50
			IBB	Run	\$189	HiSeq Rapid Run (50 cycles) SE50 w/o reagents
			IBB	Run	\$2,255	HiSeq Rapid Run (100 cycles) SE100
			IBB	Run	\$259	HiSeq Rapid Run (100 cycles) SE100 w/o reagents
			IBB	Run	\$2,864	HiSeq Rapid Run (150) SE150
			IBB	Run	\$329	HiSeq Rapid Run (150) SE150 w/o reagents
			IBB	Lane	\$896	HiSeq High Output Run (50) SE50
			IBB	Lane	\$825	HiSeq High Output Run (50) SE50 HiSeq High Output Run (50) SE50 w/o reagents
			IBB	Lane	\$1,227	HiSeq High Output Run (100) SE100
			IBB	Lane	\$141	HiSeq High Output Run (100) SE100 w/o reagents
			IBB	Lane	\$1,557	HiSeq High output (125) SE125
			IBB	Lane	\$232	HiSeq High output (125) SE125 w/o reagents
			IBB	Lane	\$1,527	HiSeq High Output Run (100) PE50
			IBB	Lane	\$176	HiSeq High Output Run (100) PE50 w/o reagents
			IBB	Lane	\$2,188	HiSeq High Output Run (200) PE100
			IBB	Lane	\$252	HiSeq High Output Run (200) PE100 w/o reagents
			IBB	Lane	\$2,275	HiSeq High Output Run (250) PE125
			IBB	Lane	\$262	HiSeq High Output Run (250) PE125 w/o reagents
			IBB	Sample	\$5	Qubit
			IBB	Sample	\$65	Library preparation (Nextera XT)
			IBB	Sample	\$30	W/o reagents
			IBB	-	\$103	Library preparation (Nextera DNA)
				Sample		
			IBB	Sample	\$30	W/o reagents
			IBB	Sample	\$100	Library preparation (TruSeq RNA)
			IBB	Sample	\$42	W/o reagents
			IBB	Sample	\$65	Library preparation (TruSeq DNA - with sheared DNA)
			IBB	Sample	\$30	W/o reagents
			IBB	Sample	\$148	Library preparation (Nextera Exome)
			IBB	Sample	\$46	W/o reagents
			IBB	Sample	\$55	Library preparation (NEB DNA Ultra II)
			IBB	Sample	\$30	W/o reagents
			IBB	Sample	\$75	Library preparation (NEB RNA Ultra II)
			IBB	Sample	\$36	W/o reagents
			IBB	Run	\$490	cBOT separation
			IBB	Run	\$490	W/o reagents
						-
			IBB	Sample	\$5 \$1.448	Sanger Sequencing
			EBB	Run	\$1,448	NextSeq Mid Output Kit SE150 or PE75
			EBB	Run	\$430	NextSeq Mid Output Kit SE150 or PE75 service only
			EBB	Run	\$2,095	NextSeq Mid Output Kit PE150
			EBB	Run	\$465	NextSeq Mid Output Kit PE150 service only
			EBB	Run	\$1,813	NextSeq High Output Kit SE75 or PE35
			EBB	Run	\$450	NextSeq High Output Kit SE75 or PE35 service only
			EBB	Run	\$3,138	NextSeq High Output Kit SE150 or PE75
			LDD			
				Run	\$520	NextSeq High Output Kit SE150 or PE75 service only
			EBB	Run Run	\$520 \$4,796	NextSeq High Output Kit SE150 or PE75 service only NextSeq High Output Kit PE150
			EBB EBB	Run	\$4,796	NextSeq High Output Kit PE150
			EBB EBB EBB	Run Run	\$4,796 \$607	NextSeq High Output Kit PE150 NextSeq High Output Kit PE150 service only
			EBB EBB EBB	Run Run Run	\$4,796 \$607 \$960	NextSeq High Output Kit PE150 NextSeq High Output Kit PE150 service only MiniSeq High Output Kit SE75 or PE35
			EBB EBB EBB EBB	Run Run Run Run	\$4,796 \$607 \$960 \$170	NextSeq High Output Kit PE150 NextSeq High Output Kit PE150 service only MiniSeq High Output Kit SE75 or PE35 MiniSeq High Output Kit SE75 or PE35 service only
			EBB EBB EBB EBB EBB	Run Run Run Run Run	\$4,796 \$607 \$960 \$170 \$1,122	NextSeq High Output Kit PE150 NextSeq High Output Kit PE150 service only MiniSeq High Output Kit SE75 or PE35 MiniSeq High Output Kit SE75 or PE35 service only MiniSeq High Output Kit SE150 or PE75
			EBB EBB EBB EBB EBB EBB	Run Run Run Run Run	\$4,796 \$607 \$960 \$170 \$1,122 \$198	NextSeq High Output Kit PE150 NextSeq High Output Kit PE150 service only MiniSeq High Output Kit SE75 or PE35 MiniSeq High Output Kit SE75 or PE35 service only MiniSeq High Output Kit SE150 or PE75 MiniSeq High Output Kit SE150 or PE75 service only
			EBB EBB EBB EBB EBB	Run Run Run Run Run	\$4,796 \$607 \$960 \$170 \$1,122	NextSeq High Output Kit PE150 NextSeq High Output Kit PE150 service only MiniSeq High Output Kit SE75 or PE35 MiniSeq High Output Kit SE75 or PE35 service only MiniSeq High Output Kit SE150 or PE75

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date		Rates Basis	Amount	
1.00		2 op miniour	2	2	EBB	Run	\$660	MiniSeq M
					EBB	Run	\$117	MiniSeq M
					EBB	Chip	\$33	Bioanalyze
					EBB	Chip	\$58	Bioanalyze
					EBB	Chip	\$42	Bioanalyze
					EBB	Chip	\$68	Bioanalyze
					EBB	Chip	\$38	Bioanalyze
					EBB	Chip	\$50	Bioanalyze
					EBB	Hour	\$10	"Andrew" j
					EBB	Use	\$200	Set up fee f
					EBB	Sample	\$3	DNA Extra
					EBB	Sample	\$3	RNA Extra
					EBB	Reaction	\$30	Error Prone
					EBB	Library	\$500	Error Prone
					EBB	Library	\$715	Custom Re
					EBB	Units	\$15	Taq DNA p
					EBB	Loads	\$50	DNA ladde
					EBB	Set	\$500	GT XT cus
					EBB	Set	\$500	GT XT cus
					EBB	Set	\$500	GT XT cus
					EBB	Set	\$500	GT XT cus
					EBB	Sleeve	\$20	Agar plates
					EBB	Colonies	\$20	Colony Pic
					EBB	Reacton	\$5	Sanger seq
					EBB	Vial	\$25	Gel purific
					EBB	Sample	\$5	Qubit DNA
					EBB	Sample	\$55	NGS DNA
					EBB	Sample	\$50	NGS plasm
					EBB	Month/User	\$399	Cell culture
					EBB	Tube	\$1	Antibiotics

Mid Output Kit PE150 Mid Output Kit PE150 service only yzer 2100 (DNA 1000) yzer 2100 (DNA HS) yzer 2100 w/o seq at core (DNA 1000) yzer 2100 w/o seq at core (DNA HS) yzer 2100 w/o seq at core (RNA) yzer 2100 w/o seq at core (protein) " pipetting robot ee for Andrew pipetting Robot traction /sample traction /sample one PCR one PCR with Library Construction Region Saturated mutagenisis library A polymerase, 1000 units dder, 100 custom adapter primers SetA custom adapter primers SetB custom adapter primers SetC custom adapter primers SetD ates (per 20 plates) Picking, 1000 colonies equencing fication of the NGS libraries NA measurment /sample NA Library preparation NEB smid sequencing ture room usage Antibiotics stock solutions

	Rat Stud		Rates		
Name of Rate Study			Basis	Amount	Service
Name of Kate Study	Department Dat	e Date	Dasis	Alloulli	External Industry
		IBB/EBB	Hour	\$86	Consultation Charge
		IBD/EDD IBB	Run	\$3,439	HiSeq Rapid Run (100) PE50
		IBB	Run	\$949	
		IBB	Run	\$949 \$5,003	HiSeq Rapid Run (100) PE50 w/o reagents
				\$3,003 \$1,624	HiSeq Rapid Run (200 cycles) PE100
		IBB	Run Run	\$1,024 \$6,485	HiSeq Rapid Run (200 cycles) PE100 w/o reagents
		IBB IBB	Run	\$0,483 \$2,029	HiSeq Rapid Run (300 cycles) PE150
		IBB	Run	\$2,029 \$7,915	HiSeq Rapid Run (300 cycles) PE150 w/o reagents HiSeq Rapid Run (500 cycles) PE250
		IBB	Run	\$7,913 \$2,154	
		IBB	Run	\$2,134 \$2,407	HiSeq Rapid Run (500 cycles) PE250 w/o reagents
				\$2,407 \$949	HiSeq Rapid Run (50 cycles) SE50 HiSeq Rapid Run (50 cycles) SE50 w/o reagents
		IBB	Run		
		IBB	Run	\$4,958	HiSeq Rapid Run (100 cycles) SE100
		IBB	Run	\$2,962 \$2,484	HiSeq Rapid Run (100 cycles) SE100 w/o reagents
		IBB	Run	\$3,484	HiSeq Rapid Run (150) SE150
		IBB	Run	\$949 \$7.202	HiSeq Rapid Run (150) SE150 w/o reagents
		IBB	Lane	\$7,292	HiSeq High Output Run (50) SE50
		IBB	Lane	\$949	HiSeq High Output Run (50) SE50 w/o reagents
		IBB	Lane	\$9,634	HiSeq High Output Run (100) SE100
		IBB	Lane	\$949	HiSeq High Output Run (100) SE100 w/o reagents
		IBB	Lane	\$15,761	HiSeq High output (125) SE125
		IBB	Lane	\$4,735	HiSeq High output (125) SE125 w/o reagents
		IBB	Lane	\$11,758	HiSeq High Output Run (100) PE50
		IBB	Lane	\$949	HiSeq High Output Run (100) PE50 w/o reagents
		IBB	Lane	\$16,441	HiSeq High Output Run (200) PE100
		IBB	Lane	\$949	HiSeq High Output Run (200) PE100 w/o reagents
		IBB	Lane	\$17,054	HiSeq High Output Run (250) PE125
		IBB	Lane	\$949	HiSeq High Output Run (250) PE125 w/o reagents
		IBB	Sample	\$6	Qubit
		IBB	Sample	\$42	W/o reagents
		IBB	Sample	\$243	Library preparation (Nextera XT)
		IBB	Sample	\$188	W/o reagents
		IBB	Sample	\$179	Library preparation (Nextera DNA)
		IBB	Sample	\$88	W/o reagents
		IBB	Sample	\$121	Library preparation (TruSeq RNA)
		IBB	Sample	\$33	W/o reagents
		IBB	Sample	\$93	Library preparation (TruSeq DNA - with sheared 1
		IBB	Sample	\$42	W/o reagents
		IBB	Sample	\$207	Library preparation (Nextera Exome)
		IBB	Sample	\$76	W/o reagents
		IBB	Sample	\$71	Library preparation (NEB DNA Ultra II)
		IBB	Sample	\$43	W/o reagents
		IBB	Sample	\$116	Library preparation (NEB RNA Ultra II)
		IBB	Sample	\$74	W/o reagents
		IBB	Run	\$709	cBOT separation
		IBB	Run	\$251	W/o reagents
		IBB	Sample	\$55	Sanger Sequencing
		EBB	Run	\$1,549	NextSeq Mid Output Kit SE150 or PE75
		EBB	Run	\$430	NextSeq Mid Output Kit SE150 or PE75 service o
		EBB	Run	\$2,191	NextSeq Mid Output Kit PE150
		EBB	Run	\$465	NextSeq Mid Output Kit PE150 service only
		EBB	Run	\$2,209	NextSeq High Output Kit SE75 or PE35
		EBB	Run	\$450	NextSeq High Output Kit SE75 or PE35 service on

			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
				EBB	Run	\$3,345	NextSeq H
				EBB	Run	\$520	NextSeq H
				EBB	Run	\$4,946	NextSeq H
				EBB	Run	\$607	NextSeq H
				EBB	Run	\$1,034	MiniSeq H
				EBB	Run	\$170	MiniSeq H
				EBB	Run	\$1,404	MiniSeq H
				EBB	Run	\$198	MiniSeq H
				EBB	Run	\$1,865	MiniSeq H
				EBB	Run	\$318	MiniSeq H
				EBB	Run	\$678	MiniSeq M
				EBB	Run	\$117	MiniSeq M
				EBB	Chip	\$224	Bioanalyze
				EBB	Chip	\$253	Bioanalyze
				EBB	Chip	\$227	Bioanalyze
				EBB	Chip	\$224	Bioanalyze
				EBB	Chip	\$253	Bioanalyze
				EBB	Chip	\$233	Bioanalyze
				EBB	Chip	\$233	Bioanalyze
				EBB	Hour	\$24	"Andrew"
				EBB	Use	\$438	Set up fee t
				EBB	Sample	\$47	DNA Extra
				EBB	Sample	\$181	RNA Extra
				EBB	Reaction	\$75	Error Pron
				EBB	Library	\$664	Error Prone
				EBB	Library	\$1,678	Custom Re
				EBB	Units	\$105	Taq DNA j
				EBB	Loads	\$206	DNA ladde
				EBB	Set	\$1,274	GT XT cus
				EBB	Set	\$1,274	GT XT cus
				EBB	Set	\$1,274	GT XT cus
				EBB	Set	\$1,274	GT XT cus
				EBB	Sleeve	\$81	Agar plates
				EBB	Colonies	\$368	Colony Pic
				EBB	Reacton	\$7	Sanger seq
				EBB	Vial	\$129	Gel purific
				EBB	Sample	\$6	Qubit DNA
				EBB	Sample	\$91	NGS DNA
				EBB	Sample	\$65	NGS plasm
				EBB	Month/User	\$404	Cell culture
				EBB	Tube	\$6	Antibiotics

Service High Output Kit SE150 or PE75 High Output Kit SE150 or PE75 service only High Output Kit PE150 High Output Kit PE150 service only High Output Kit SE75 or PE35 High Output Kit SE75 or PE35 service only High Output Kit SE150 or PE75 High Output Kit SE150 or PE75 service only High Output Kit PE150 High Output Kit PE150 service only Mid Output Kit PE150 Mid Output Kit PE150 service only yzer 2100 (DNA 1000) yzer 2100 (DNA HS) yzer 2100 (RNA) yzer 2100 w/o seq at core (DNA 1000) yzer 2100 w/o seq at core (DNA HS) yzer 2100 w/o seq at core (RNA) yzer 2100 w/o seq at core (protein) v" pipetting robot ee for Andrew pipetting Robot xtraction /sample xtraction /sample rone PCR rone PCR with Library Construction Region Saturated mutagenisis library A polymerase, 1000 units dder, 100 custom adapter primers SetA custom adapter primers SetB custom adapter primers SetC custom adapter primers SetD ates (per 20 plates) Picking, 1000 colonies sequencing ification of the NGS libraries NA measurment /sample NA Library preparation NEB asmid sequencing ture room usage tics stock solutions

			Rate	Annual			
		-	Study	Validation	Rates		~ ·
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	Service
							Internal / Educational Institutions
59.	Heat Lab	ME	3/1/16	10/31/17	Hour	\$19	High Cost Equipment Usage
					Hour	\$9	Low Cost Equipment Usage
					Hour	\$23	Measurement Service
							External / Industrial:
					Hour	\$19	High Cost Equipment Usage
					Hour	\$9	Low Cost Equipment Usage
					Hour	\$23	Measurement Service
							Internal / Other Georgia Tech Departments
60.	Acoustics Water Tank Lab	ME	5/2/16	10/31/17	Hour	\$61	Underwater Acoustic Measurments
						·	External / Other Educations Institutions
					Hour	\$70	Underwater Acoustic Measurments
							External /Corporate
					Hour	\$88	Underwater Acoustic Measurments
							Internal / Other Georgia Tech Departments
61.	Mechanical Properties Characterization Facility	IMaT	7/1/19	9/24/18	Hour	\$60	Personal Services
	1 5				Day	\$100	Test System Base Daily
					Week	\$250	Test System Base Weekly
					Day	\$20	Ovens & Furnaces Daily
					Week	\$50	Ovens & Furnaces Weekly
					Hour	\$5	Metallography Prep Facility Hourly
							External /Industry
					Hour	\$70	Personal Services
					Day	\$178	Test System Base Daily
					Week	\$892	Test System Base Weekly
					Day	\$65	Ovens & Furnaces Daily
					Week	\$327	Ovens & Furnaces Weekly
					Hour	\$22	Metallography Prep Facility Hourly
62.	Center for X-Ray Diffraction Structure Analysis	Chem	9/20/16	10/30/18	Per Analysis	\$300	Full Service Structure Analysis
					Per Hour	\$75	Personnel Assistance
					Per Hour	\$25	Instrument Services
						+	

			Rate	Annual			
			Study	Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	Service
63.	Systems Mass Spectrometry Center	IBB	11/9/16	9/21/18		1 1110 0010	GT & External Educational Institutes
05.		100	11/9/10	<i>y</i> , 2 1,10	Per Sample	\$20	Sample Preparation - Proteomics
					Per Sample	\$80	LC-MS/MS Analysis - Proteomics
					Per Sample	\$8	Data Analysis - Proteomics
					Per Sample	\$6	Sample Preparation - Metabolomics
					Per Sample	\$35	LC-MS/MS Analysis - Metabolomics
					Per Sample	\$10	Data Analysis - Metabolomics
					Per Sample	\$30	Additional Data Processing
					1		GT Industry Partners
					Per Sample	\$40	Sample Preparation - Proteomics
					Per Sample	\$155	LC-MS/MS Analysis - Proteomics
					Per Sample	\$20	Data Analysis - Proteomics
					Per Sample	\$10	Sample Preparation - Metabolomics
					Per Sample	\$50	LC-MS/MS Analysis - Metabolomics
					Per Sample	\$14	Data Analysis - Metabolomics
					Per Sample	\$40	Additional Data Processing
							Industry
					Per Sample	\$104	Sample Preparation - Proteomics
					Per Sample	\$155	LC-MS/MS Analysis - Proteomics
					Per Sample	\$45	Data Analysis - Proteomics
					Per Sample	\$53	Sample Preparation - Metabolomics
					Per Sample	\$59	LC-MS/MS Analysis - Metabolomics
					Per Sample	\$18	Data Analysis - Metabolomics
					Per Sample	\$101	Additional Data Processing
							Internal/Federal
65.	GVU Prototyping Lab	SoIC	7/1/18	9/7/18	Cubic Inch	\$14	Dimesnison ABS Printer
	51 C				Cubic Inch	\$16	3D Systems Project (SD)
					Cubic Inch	\$17	3D Systems Project (HD)
							External (Industry)
					Cubic Inch	\$33	Dimesnison ABS Printer
					Cubic Inch	\$35 \$44	3D Systems Project (SD)
					Cubic Inch	\$44 \$47	3D Systems Project (SD) 3D Systems Project (HD)
					Cubic men	ው ተ /	5D Systems I Tojeet (IID)

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date		Rates Basis	Amount	
	Biomolecular Characterization and Analysis	IBB/EBB	7/1/17	9/21/18	Location	Dusis	7 milount	Internal
50.	Diomolecular Characterization and Analysis		// 1/ 1 /	<i>J</i> /21/10	IBB, EBB	Hour	\$0	Personal Se
					IBB	Hour	\$5	BioTek Sy
					IBB	Hour	\$5	QuantStuc
					IBB	Hour	\$5	Applied B
					IBB	Hour	\$20	Arcturus 2
					IBB	Hour	\$0	AMAXA
					IBB	Hour	\$5	Amershan
					IBB	Hour	\$5	Optima X
					IBB	Hour	\$2	Allegra be
					IBB	Hour	\$2	Microcent
					IBB	Hour	\$10	FAST pre
					IBB	Hour	\$5	High perfe
					IBB	Hour	\$10	GE FLA 9
					IBB	Flask	\$5	Freeze-zon
					IBB	Hour	\$5	LI-COR in
					EBB	Hour	\$10	AP Chiras
					EBB	Hour	\$5	BioTek Sy
					EBB	Day	\$30	BioTek Sy
					EBB	Hour	\$3	GE AKTA
					EBB	Hour	\$0	GE Ultros
					EBB	Hour	\$15	Olis RSM
					EBB	Hour	\$5	Shimadzu
					EBB	Per Session	\$0	Shimadzu
					EBB	Hour	\$0	Stratagene
					EBB	Hour	\$10	Wyatt Dy
					EBB	Hour	\$10	Malvern V
					EBB	Hour	\$10	Malvern Z
					EBB	Hour	\$10	Wyatt Dy
					EBB	Hour	\$5	Nano Ten
					EBB	Hour	\$5	Ultracentr
					EBB	Hour	\$5	High Spee
					EBB	Hour	\$5	Isothermal
					EBB	Hour	\$10	Differentia
					EBB	Sample	\$50	Analytical

ll Services (Training), per hour s Synergy H4 Multimode Plate Reader Studio 6 Flex rtPCR d Biosystems StepOne Plus rtPCR#2 us XT Laser Capture Microdissection System A Electroporation Device ham RGB 600 Imager a XPN Ultracentrifuge a benchtop centrifuge entrifuge prep 24 homogenizer erformance centrifuge A 9500 zone Freeze Dry System limager irascan-Plus x Synergy H4 (short) x Synergy H4 (long) XTA Pure 25 trospec 2100 Pro SM1000 Izu Prominence lzu Prominence ene Mx3005P DynaPro NanoStar m Viscotek SEC-MALS 20 m Zetasizer Nano Z Dynapro Plate Reader Temper Promethius entrifuge peed Centrifuge Avanti nal calorimetry ntial Scanning Calorimetry cal ultracentrifuge

Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	Service
Traile of Face Study	Department	Dute	Duite	Dusis	7 thiount	Affiliates and Industry Partners
			IBB, EBB	Hour	\$45	Personal Services (Training), per hour
			IBB	Hour	\$7.50	BioTek Synergy H4 Multimode Plate Reader
			IBB	Hour	\$7	QuantStudio 6 Flex rtPCR
			IBB	Hour	\$7	Applied Biosystems StepOne Plus rtPCR#2
			IBB	Hour	\$40	Arcturus XT Laser Capture Microdissection System
			IBB	Hour	\$5	AMAXA Electroporation Device
			IBB	Hour	\$7.50	Amersham RGB 600 Imager
			IBB	Hour	\$7.50	Optima XPN Ultracentrifuge
			IBB	Hour	\$5	Allegra benchtop centrifuge
			IBB	Hour	\$5	Microcentrifuge
			IBB	Hour	\$20	FAST prep 24 homogenizer
			IBB	Hour	\$13	High performance centrifuge
			IBB	Hour	\$15	GE FLA 9500
			IBB	Flask	\$10	Freeze-zone Freeze Dry System
			IBB	Hour	\$7.50	LI-COR imager
			EBB	Hour	\$15	AP Chirascan-Plus
			EBB	Hour	\$8	BioTek Synergy H4 (short)
			EBB	Day	\$50	BioTek Synergy H4 (long)
			EBB	Hour	\$8	GE AKTA Pure 25
			EBB	Hour	\$5	GE Ultrospec 2100 Pro
			EBB	Hour	\$20	Olis RSM1000
			EBB	Hour	\$9	Shimadzu Prominence
			EBB	Per Session	\$65	Shimadzu Prominence
			EBB	Hour	\$5	Stratagene Mx3005P
			EBB	Hour	\$15	Wyatt DynaPro NanoStar
			EBB	Hour	\$15	Malvern Viscotek SEC-MALS 20
			EBB	Hour	\$15	Malvern Zetasizer Nano Z
			EBB	Hour	\$15	Wyatt Dynapro Plate Reader
			EBB	Hour	\$16	Nano Temper Promethius
			EBB	Hour	\$8	Ultracentrifuge
			EBB	Hour	\$13	High Speed Centrifuge Avanti
			EBB	Hour	\$8	Isothermal calorimetry
			EBB	Hour	\$15	Differential Scanning Calorimetry
			EBB	Sample	\$100	Analytical ultracentrifuge

			Rate	Annual			
			Study	Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
							<u>External (1</u>
				IBB, EBB	Hour	\$45	Personal S
				IBB	Hour	\$11	BioTek S
				IBB	Hour	\$7	QuantStu
				IBB	Hour	\$8	Applied E
				IBB	Hour	\$100	Arcturus
				IBB	Hour	\$5	AMAXA
				IBB	Hour	\$15	Amershar
				IBB	Hour	\$15	Optima X
				IBB	Hour	\$10	Allegra b
				IBB	Hour	\$10	Microcen
				IBB	Hour	\$40	FAST pre
				IBB	Hour	\$13	High perf
				IBB	Hour	\$20	GE FLA
				IBB	Flask	\$20	Freeze-zor
				IBB	Hour	\$15	LI-COR in
				EBB	Hour	\$22	AP Chiras
				EBB	Hour	\$11	BioTek Sy
				EBB	Day	\$65	BioTek Sy
				EBB	Hour	\$8	GE AKTA
				EBB	Hour	\$10	GE Ultros
				EBB	Hour	\$40	Olis RSM
				EBB	Hour	\$9	Shimadzu
				EBB	Per Session	\$130	Shimadzu
				EBB	Hour	\$20	Stratagene
				EBB	Hour	\$20	Wyatt Dyr
				EBB	Hour	\$15	Malvern V
				EBB	Hour	\$29	Malvern Z
				EBB	Hour	\$24	Wyatt Dyr
				EBB	Hour	\$16	Nano Tem
				EBB	Hour	\$15	Ultracentri
				EBB	Hour	\$13	High Spee
				EBB	Hour	\$20	Isothermal
				EBB	Hour	\$25	Differentia
				EBB	Sample	\$261	Analytical
67. IDEAS: MD3		IMaT	7/1/17	10/15/18			Internal &
					12 Mths	\$6,105	MATIN A
					1 Month	\$733	MATIN N
					10 Hours	\$665	Additiona
							External
					12 Mths	\$6,105	MATIN A
					1 Month	\$733	MATIN N
					10 Hours	\$665	Additiona

Service l (Industry) I Services (Training), per hour Synergy H4 Multimode Plate Reader Studio 6 Flex rtPCR ed Biosystems StepOne Plus rtPCR#2 us XT Laser Capture Microdissection System A Electroporation Device ham RGB 600 Imager A XPN Ultracentrifuge a benchtop centrifuge entrifuge prep 24 homogenizer erformance centrifuge A 9500 zone Freeze Dry System l imager rascan-Plus Synergy H4 (short) Synergy H4 (long) TA Pure 25 cospec 2100 Pro M1000 zu Prominence dzu Prominence ene Mx3005P OynaPro NanoStar n Viscotek SEC-MALS 20 n Zetasizer Nano Z Dynapro Plate Reader emper Promethius ntrifuge beed Centrifuge Avanti nal calorimetry ntial Scanning Calorimetry cal ultracentrifuge & Federal Users N Annual (12mth) Support Package N Monthly Package onal Support Package (10 Hrs)

^m N Annual (12mth) Support Package N Monthly Package onal Support Package (10 Hrs)

			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
68.	STAMI Polymer and Molecular Characterization Facility	Chem	7/1/17	10/29/18			Internal Tr
08.	STAMI Polymer and Molecular Characterization Facility	Chem	//1/1/	10/29/18	Hour	\$5.00	<u>Internal Tr</u> TA Q200
					Hour	\$5.00	Perkin Eli
					Hour	\$5.00	Malvern V
					Hour	\$7.00	Tosoh GP
					Hour	\$5.00	Tosoh GP
					Hour	\$5.00	Wyatt Dy
					Hour	\$5.00	Horiba Jo
					Hour	\$5.00	Horiba Jo
					Hour	\$5.00	Shimadzu
					Hour	\$5.00	
					Hour	\$5.00 \$6.00	Cary 5000
							Aligent 78
					Hour Hour	\$8.00 \$5.00	Agilent 61
					Hour	\$5.00	Contact A
							Internal Sa
					Hour	\$29.30	TA Q200
					Hour	\$40.00	Perkin Elı
					Hour	\$40.00	Malvern V
					Hour	\$50.00	Tosoh GP
					Hour	\$40.00	Tosoh GP
					Hour	\$40.00	Wyatt Dy
					Hour	\$35.97	Horiba Jo
					Hour	\$35.44	Horiba Jo
					Hour	\$35.62	Shimadzu
					Hour	\$32.82	Cary 5000
					Hour	\$50.00	Aligent 78
					Hour	\$60.00	Agilent 61
					Hour	\$40.00	Contact A
							<u>External U</u>
					Hour	\$29.30	TA Q200
					Hour	\$56.84	Perkin Elm
					Hour	\$58.53	Malvern V
					Hour	\$61.24	Tosoh GP0
					Hour	\$89.48	Tosoh GPG
					Hour	\$106.92	Wyatt Dyn
					Hour	\$35.97	Horiba Job
					Hour	\$35.44	Horiba Job
					Hour	\$35.62	Shimadzu
					Hour	\$32.82	Cary 5000
					Hour	\$79.91	Aligent 78
					Hour	\$127.62	Agilent 61
					Hour	\$94.90	Contact Ar
					11001	\$ 74.7 0	Colliant Al

Trained Users 0 Elmer Pyris 1 n Viscotek (THF) GPC GPC (tri-chlorobenzene) DynaPro NanoStar DLS Jobin Yvon Fluorimeter FL-1005 Jobin Yvon Fluorimeter FL3-21 lzu IR Prestige 21 000 t 7890a & 5975C t 6120BMS, 1260 LC t Angle Goniometer Sample Run & Training 00 Elmer Pyris 1 m Viscotek (THF) GPC GPC (tri-chlorobenzene) DynaPro NanoStar DLS Jobin Yvon Fluorimeter FL-1005 Jobin Yvon Fluorimeter FL3-21 lzu IR Prestige 21 000 t 7890a & 5975C t 6120BMS, 1260 LC t Angle Goniometer l Users 00 Elmer Pyris 1 n Viscotek (THF) GPC GPC (tri-chlorobenzene) DynaPro NanoStar DLS Jobin Yvon Fluorimeter FL-1005 Jobin Yvon Fluorimeter FL3-21 zu IR Prestige 21 00 7890a & 5975C 6120BMS, 1260 LC Angle Goniometer

			Rate Study	Annual Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
69.	Bioimaging and Biomechanical Properties Testing	IBB	7/1/17	9/21/18			GEORGIA
					Hour	\$50.80	CT Person
					Unit	\$3.95	Set Up Cha
					Per Slice	\$0.05	Medium R
					Per Slice	\$0.14	High Reso
					Per Slice	\$1.06	Custom Re
					Hour	\$25.00	Fluorescen
					Hour	\$13.69	Biomechar
							<u>EDUCATI</u>
					Hour	\$59.84	CT Person
					Unit	\$4.47	Set Up Cha
					Per Slice	\$0.06	Medium R
					Per Slice	\$0.16	High Reso
					Per Slice	\$1.20	Custom Re
					Hour	\$48.00	Fluorescen
					Hour	\$15.51	Biomechar
							<u>INDUSTR</u>
					Hour	\$69.89	CT Person
					Unit	\$5.24	Set Up Cha
					Per Slice	\$0.07	Medium R
					Per Slice	\$0.19	High Reso
					Per Slice	\$1.42	Custom Re
					Hour	\$97.43	Fluorescen
					Hour	\$18.20	Biomechar
70.	Electrical Testing of Materials and Devices	MSE	7/1/17	9/10/18			Internal
					Sample	\$250	Initial Test
					Use	\$250	Standard Standard
					Sample	\$100	Repeat of
					Cost	Cost	Non Stand
					Hour	\$148	Director (
					Hour	\$50	GRA Con
							<u>External (I</u>
					Sample	\$255	Initial Test
					Use	\$257	Standard Standard
					Sample	\$160	Repeat of
					Cost	Cost	Non Stand
					Hour	\$148	Director (
					Hour	\$64	GRA Con
71	Tribology & Synfogs Engine sping Lab	ME	7/1/10				Internal/Ea
71.	Tribology & Surface Engineering Lab	ME	7/1/18		Hour	\$50	<u>Internal/Fe</u> Lab Rate
						400	
					Hour	\$50	<u>External (I</u> Lab Rate
					nour	\$30	Lao Kale

Service

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conal Services, per hour Charge n Resolution, per slice esolution, per slice Resolution, per slice cence / Bioluminescence imaging, per hour hanics Machine Services, per hour

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<u>l (Industry)</u>

Yest Sample rd Setup of Initial Test Sample andard Setup (Material) or Consulting Consulting

/Federal re

<u>l (Industry)</u> e

			Rate	Annual			
			Study	Validation	Rates		
No.	Name of Rate Study	Department	Date	Date	Basis	Amount	
72.	TKIS-GT Pyro Processing Lab	MSE	7/1/19				Internal /F
					Test	\$1,300	Per Test
					Hour	\$64	Instrumen
					Hour	\$51	Senior Sci
					Hour	\$184	Senior Co
							<u>External (</u>
					Test	\$1,300	Per Test
					Hour	\$64	Instrumen
					Hour	\$51	Senior Sci
					Hour	\$184	Senior Co
							External (
					Test	\$1,300	Per Test
					Hour	\$64	Instrumen
					Hour	\$51	Senior Sci
					Hour	\$184	Senior Co
73.	TEP Core Lab	BME	7/1/18				Internal
					Per Slide	\$2	Histology
					Hour	\$16	Microscr
					Hour	\$5	Biomolec
					Per Cycle	\$25	Sterilizati
							<u>External A</u>
					Per Slide	\$2	Histology
					Hour	\$22	Microscr
					Hour	\$7	Biomolec
					Per Cycle	\$25	Sterilizati
							<u>External</u>
					Per Slide	\$100	Histology
					Hour	\$158	Microscr
					Hour	\$100	Biomolec
					Per Cycle	\$32	Sterilizati

Service

<u>/Federal</u> t ent/Kiln Only Per Hour Scientist Consultant

a<u>l (TKIS Users)</u> at nent/Kiln Only Per Hour Scientist

ent/Kiln Only Per Hour Scientist Consultant

<u>l (Industry)</u> t ent/Kiln Only Per Hour Scientist Consultant

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				nnual			
Na	Name of Data Study		•	lidation	Rates	Amount	Service
No.	Name of Rate Study	Department	Date I	Date	Basis	Amount	Service
74. Laser Mach	ining I ab	IEN	9/1/19				US Academic Institutions
/4. Laser Waen		ILIN	9/1/19				Machine Class 1
					Hour	\$25	X-Ray Inspection System (DAGE)
					Hour	\$25	Sub-Micron Bonder (Finetech)
					Hour	\$25	60 Watt Laser System (Hermes LS500XL CO2)
					Hour	\$25	UV Micro Machining System (Resonetics IR laser)
					Hour	\$25	Labcoter Deposition System (SCS Parylene Coater)
					Hour	\$25	Wyko NT2000 Profilometer (VEECO)
					Hour	\$35	Machine Class 2
					nour	\$33	Aerosol Jet 200 system (Optomec)
							Machine Class 3
					Hour	\$50	Optec WS Flex Laser Micromachining Base System
							Foreign Academic Institutions
							Machine Class 1
					Hour	\$35	X-Ray Inspection System (DAGE)
					Hour	\$35	Sub-Micron Bonder (Finetech)
					Hour	\$35	60 Watt Laser System (Hermes LS500XL CO2)
					Hour	\$35	UV Micro Machining System (Resonetics IR laser)
					Hour	\$35	Labcoter Deposition System (SCS Parylene Coater)
					Hour	\$35	Wyko NT2000 Profilometer (VEECO)
							Machine Class 2
					Hour	\$40	Aerosol Jet 200 system (Optomec)
							Machine Class 3
					Hour	\$76	Optec WS Flex Laser Micromachining Base System
							Industrial:
							Machine Class 1
					Hour	\$35	X-Ray Inspection System (DAGE)
					Hour	\$35	Sub-Micron Bonder (Finetech)
					Hour	\$35	60 Watt Laser System (Hermes LS500XL CO2)
					Hour	\$35	UV Micro Machining System (Resonetics IR laser)
					Hour	\$35	Labcoter Deposition System (SCS Parylene Coater)
					Hour	\$35	Wyko NT2000 Profilometer (VEECO)
							Machine Class 2
					Hour	\$40	Aerosol Jet 200 system (Optomec)
							Machine Class 3
					Hour	\$76	Optec WS Flex Laser Micromachining Base System

No.	Name of Rate Study	Department	Rate Study Date	Annual Validation Date	Rates Basis	Amount	
Facility Us	v	1					
	tablished for the infrequent and non-recurring use a Tech lab facilities that are unique and not comm	-					
13. Stable Isoto	pe Facility	EAS	8/25/14	10/2/17	Hour	\$18 \$37	<u>Other Acac</u> Machine S <u>Corporate</u> Machine S
15. Center for t	he Study of Systems Biology	Biology	10/26/15	9/20/17	Computation	\$1,000	<u>CORPOR</u> A Computatio

Service

<u>cadamic</u> e Service <u>tte</u> e Service

<u>DRATE</u> tational Services