

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
2.	Glass Shop	Chemistry	7/1/17	7/1/20	Hour	\$75	Personal Services & Equipment Services, Internal (GA Tech)
					Hour	\$75	Personal Services & Equipment Services, External - Academic
					Hour	\$107	Personal Services & Equipment Services, External Industry
					Cost	Cost	Supplies
3.	NEETRAC Consulting Services	ECE	1/1/20	Hour	\$127	Senior Research Engineer	
				Hour	\$95	Research Engineers	
				Hour	\$70	Research Coordinators	
				Hour	\$44	Research Technicians	
4.	NEETRAC Platform Services	ECE	7/1/18	Day	\$149	Platform Service Processing	
				Day	\$633	HVL - Lab Area	
				Day	\$171	MVL	
				Day	\$93	MG	
				Day	\$128	Materials Lab - FQA	
				Day	\$122	Building 3 - West High Bay	
				Day	\$136	Building 3 - East High Bay	
				Day	\$491	Outdoor	
6.	NMR Center	Chemistry	8/1/18	7/1/20	Hour	\$40	<u>Educational Institutions</u> Personal Services, Other
					Hour	\$10	Tier A Hourly Rate
					Hour	\$7	Tier B Hourly Rate
					Hour	\$25	Tier C First 8 hour rate
					Hour	\$7	Extended time rate
					Hour	\$18	Tier D First 8 hour rate
					Hour	\$7	Extended time rate
					Hour	\$12	Tier E First 8 hour rate
					Hour	\$7	Extended time rate
					Hour	\$73	<u>External</u> Personal Services, Other
					Hour	\$28	Machine Service, per hour: Hourly Rate

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

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					Basis	Amount	
7.	Materials Characterization Facility	IEN/MAT	9/1/20			<u>Internal Academic</u>	
				Hour	\$75	Staff Time	
						Equipment Group 1	
				Hour	\$20	Tier 1	
				Hour	\$10	Tier 2	
						Equipment Group 2	
				Hour	\$36	Tier 1	
				Hour	\$18	Tier 2	
						Equipment Group 3	
				Hour	\$76	Tier 1	
				Hour	\$38	Tier 2	
						<u>External Academic</u>	
				Hour	\$75	Staff Time	
						Equipment Group 1	
				Hour	\$20	Tier 1	
				Hour	\$10	Tier 2	
						Equipment Group 2	
				Hour	\$36	Tier 1	
				Hour	\$18	Tier 2	
						Equipment Group 3	
				Hour	\$76	Tier 1	
				Hour	\$38	Tier 2	
						<u>Industrial</u>	
				Hour	\$75	Staff Time	
		Equipment Group 1					
Hour	\$30						
		Equipment Group 2					
Hour	\$60						
		Equipment Group 3					
Hour	\$150						
9.	IEN Micro/Nano Fabrication Facility	IEN	12/1/20			<u>Internal Academic</u>	
				Month	\$220	Facility Entry Fee, (Inorganic Cleanroom)	
				Month	\$0	Facility Entry Fee, (Organic Cleanroom)	
				Hour	\$22	Cleanroom Supply Use	
				Hour	\$100	Research/Equipment Services Time	
				Month	\$3,000	Special Projects Usage	
				Hour	\$10	Back-End Processing Tools	
				Hour	\$60	EBL Machine Time	
				Hour	\$25	Laser Machining Lab Class 1 Tools	
				Hour	\$35	Laser Machining Lab Class 2 Tools	
				Hour	\$50	Laser Machining Lab Class 3 Tools	

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

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							<u>External Academic</u>
					Month	\$220	Facility Entry Fee, (Inorganic Cleanroom)
					Month	\$0	Facility Entry Fee, (Organic Cleanroom)
					Hour	\$22	Cleanroom Supply Use
					Hour	\$100	Research/Equipment Services Time
					Month	\$3,000	Special Projects Usage
					Hour	\$10	Back-End Processing Tools
					Hour	\$60	EBL Machine Time
					Hour	\$25	Laser Machining Lab Class 1 Tools
					Hour	\$35	Laser Machining Lab Class 2 Tools
					Hour	\$50	Laser Machining Lab Class 3 Tools
							<u>INDUSTRIAL RATES</u>
					Month	\$605	Facility Entry Fee, (Inorganic Cleanroom)
					Month	\$0	Facility Entry Fee, (Organic Cleanroom)
					Hour	\$22	Cleanroom Supply Use
					Hour	\$100	Research/Equipment Services Time
					Month	\$4,392	Special Projects Usage
					Hour	\$15	Back-End Processing Tools
					Hour	\$90	EBL Machine Time
					Hour	\$35	Laser Machining Lab Class 1 Tools
					Hour	\$40	Laser Machining Lab Class 2 Tools
					Hour	\$76	Laser Machining Lab Class 3 Tools
10.	Printing and Copying Center	OIT	7/1/20		Hour	\$84	Typesetting/Variable Data/Design Services
					Hour	\$44	Ryobi Services
					Hour	\$55	Therm-O Type
					Copy	\$0.09	Quick Copy Services, plus paper
					Copy	\$0.19	Color Copier, plus paper
					Hour	\$15	Bindery Hand Labor Services
					Hour	\$41	Cutter Services
					Hour	\$77	Duplo Booklet Maker Services
					Hour	\$66	Folder Services
					Cost plus	\$0	Postage Services
					Hour	\$66	Inkjet Mailer
					Hour	\$100	Envelope Inserter
					Hour	\$29	Small Bind Services
					Copy	\$0.04	Student Printing
					Copy	\$0.19	Student Color Printing
					Sq. Ft.	\$3.49	Wide Format Printing
					Cost plus	16%	Supplies & Third Party
14.	Packaging Research Center	IEN	9/1/20				<u>US Academic Institutions</u>
					Hour	\$60	Staff Time
					Hour per tool	\$5	Cleanroom Substrate Laboratory
					Hour per tool	\$16	Plating Laboratory
					Hour per tool	\$5	Assembly Lab
					Hour per tool	\$2	Environmental Testing Area
					Hour per tool	\$5	Materials Laboratory
					Hour per tool	\$6	419 Substrate Laboratory

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

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					Basis	Amount	
							<u>US Foreign Institutions and Industry</u>
					Hour	\$60	Staff Time
					Hour per tool	\$7	Cleanroom Substrate Laboratory
					Hour per tool	\$22	Plating Laboratory
					Hour per tool	\$7	Assembly Lab
					Hour per tool	\$3	Environmental Testing Area
					Hour per tool	\$7	Materials Laboratory
					Hour per tool	\$8	419 Substrate Laboratory
15.	Mass Spectrometry Lab	Chemistry	5/9/16				<u>INTERNAL (GA Tech)</u>
					Hour	\$12	Personal Services
					Hour	\$12	Instrument Services
							<u>OTHER EDUCATIONAL INSTITUTIONS RATE</u>
					Hour	\$12	Personal Services
					Hour	\$12	Instrument Services
							<u>INDUSTRIAL RATE</u>
					Hour	\$117	Personal Services
					Hour	\$41	Instrument Services
17.	Physiological Research Lab (Vivarium)	IBB	2/1/21		Hour	\$30	Assistance & Special Labor
					Hour	\$30	Assistance & Special Labor - Vet
					Hour	\$30	Assistance & Special Labor - Mgr/Expert
					Hour	\$30	Assistance & Special Labor - Breeding
					Hour	\$10	Room Rental
					per cage	\$20	Cage Splitting
					per use	\$45	Faxitron Use
					per day	\$20	Anesthesia Machine Use
					per cycle	\$25	Gas Sterilization
					Hour	\$30	Animal Receiving
							ANIMAL HUSBANDRY:
							<u>Mice & Rats</u>
					Cage per Day	\$0.60	Mice-Conventional
					Cage per Day	\$0.90	Mice-Sterile Caging
					Cage per Day	\$0.90	Mice-Hazard
					Cage per Day	\$0.60	Mice-Breeding
					Cage per Day	\$0.90	Rats-Conventional
					Cage per Day	\$1.20	Rats-Sterile Caging
					Cage per Day	\$1.20	Rats-Hazard
					Cage per Day	\$1.20	Rodent-Special Caging

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates Basis	Amount	Service
							<u>Other Species</u>
					Tank Days	\$0.07	Fish Glass
					Tank Days	\$0.02	Fish Plastic
					Tank	\$0.15	Fish Spawning
					Tank Days	\$0.12	Fish Quarantine
					Animal	\$0.80	Amphibians
					Animal	\$0.80	Reptiles
					Cage Days	\$1.20	Cotton rats
					Animal Day	\$2.79	Rabbits
					Animal Day	\$2.10	Guinea Pigs
					Animal Day	\$4.59	Cats
					Animal Day	\$6.00	Ferrets
					Sm Load	\$0.10	Autoclave
18.	Histology Lab	IBB	7/1/20				<u>GT Internal</u>
					Hour	\$20	Personal Services
					Hour	\$20	Consultation
					Hour	\$20	Training
							Processing:
					Sample	\$5	Parraffin (Routine)
					Sample	\$7	Parraffin (Special)
					Sample	\$22.60	Resin
							Embedding:
					Sample	\$25	Frozen
					Sample	\$2	Parraffin
					Sample	\$20	Resin
							Sectioning:
					Slide	\$3	Frozen
					Slide	\$1	Paraffin
					Slide	\$10	Resin
					Cut	\$50	Isomet
					Slide	\$12	Exakt Grinding
							Staining:
					Slide	\$2	Deparaffinization
					Slide	\$2	Dehydration
					Slide	\$2	Hematoxylin Counterstain
					Slide	\$3.50	H&E
					Slide	\$10	Special
					Slide	\$30	IHC
							Other
					Slide	\$10	Antigen Retrieval
					Slide	\$2	Coverslipping
					Sample	\$8	Decalcification
					Sample	\$5	Deplasticization
						COST	Supplies - Pass Through

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

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							<u>Other Academic & Industry Partner</u>
					Hour	\$28	Personal Services
					Hour	\$28	Consultation
					Hour	\$28	Training
							Processing:
					Sample	\$6	Parraffin (Routine)
					Sample	\$7.50	Parraffin (Special)
					Sample	\$32.60	Resin
							Embedding:
					Sample	\$50	Frozen
					Sample	\$5	Parraffin
					Sample	\$20.50	Resin
							Sectioning:
					Slide	\$3.90	Frozen
					Slide	\$1.50	Paraffin
					Slide	\$16	Resin
					Cut	\$75	Isomet
					Slide	\$13	Exakt Grinding
							Staining:
					Slide	\$3.75	Deparaffinization
					Slide	\$3.75	Dehydration
					Slide	\$3.75	Hematoxylin Counterstain
					Slide	\$3.75	H&E
					Slide	\$25	Special
					Slide	\$60	IHC
							Other
					Slide	\$12.50	Antigen Retrieval
					Slide	\$3.50	Coverslipping
					Sample	\$9	Decalcification
					Sample	\$6	Deplasticization
						COST	Supplies - Pass Through
							<u>Industry</u>
					Hour	\$35.74	Personal Services
					Hour	\$35.74	Consultation
					Hour	\$35.74	Training
							Processing:
					Sample	\$7.71	Parraffin (Routine)
					Sample	\$9.05	Parraffin (Special)
					Sample	\$61.59	Resin
							Embedding:
					Sample	\$112.70	Frozen
					Sample	\$11.63	Parraffin
					Sample	\$29.94	Resin
							Sectioning:
					Slide	\$3.90	Frozen
					Slide	\$2.99	Paraffin
					Slide	\$32.13	Resin
					Cut	\$170.37	Isomet
					Slide	\$19.75	Exakt Grinding

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
							Staining:
					Slide	\$5.55	Deparaffinization
					Slide	\$5.55	Dehydration
					Slide	\$5.55	Hematoxylin Counterstain
					Slide	\$5.55	H&E
					Slide	\$55.58	Special
					Slide	\$132.47	IHC
							Other
					Slide	\$21.40	Antigen Retrieval
					Slide	\$6.88	Coverslipping
					Sample	\$14.46	Decalcification
					Sample	\$10.12	Deplasticization
						COST	Supplies - Pass Through
20.	Georgia Industrial Fellowships for Teachers	CEISMC	7/1/21				<u>On Campus Rate</u>
					Participant	\$1,750	Participant Charge
							<u>Off Campus Rate</u>
					Participant	\$2,500	Participant Charge
21.	Testing Services	RBI	10/1/19				<u>INTERNAL, ACADEMIC, INDUSTRY MEMBERS</u>
					Hour	\$90	Senior Scientist
					Hour	\$68	Analyst
							<u>INDUSTRIAL - NON-MEMBER</u>
					Hour	\$99	Senior Scientist
					Hour	\$75	Analyst
					Hour	\$60	Consulting Services
22.	Technical Services Organization	CoC	11/6/15		EFT per year	\$6,123	Computing & Networking Services
24.	Professional Education	GTPE	6/23/16				<u>GTPE Administrative Charge - Sponsored PE Contracts</u>
					Federal	Other	
					26.5%	27.5%	Contract Value < \$5K
					22.0%	23.0%	Contract Value \$5K - < \$10K
					12.5%	13.5%	Contract Value \$10K - < \$30K
					10.5%	11.5%	Contract Value \$30K - < \$50K
					8.5%	9.5%	Contract Value \$50K - < \$100K
					9.0%	10.0%	Contract Value > \$100K
26.	3-D Printer	COD	7/14/17				<u>GT Student Enrolled in COD Studio:</u>
					Cubic Inch	\$4.75	Dimension FDM Printing
					ML	\$0.37	Form 2 - High Res Clear and White
					ML	\$0.50	Form 2 - Rubber
					Cubic Inch	\$5.50	Zcorp - Powder
							<u>Internal Non COD & Federal Entities</u>
					Cubic Inch	\$9.50	Dimension FDM Printing
					ML	\$0.74	Form 2 - High Res Clear and White
					ML	\$1.00	Form 2 - Rubber
					Cubic Inch	\$6.72	Zcorp - Powder
							<u>External</u>
					Hour	\$9.03	Instrument Services

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

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					Basis	Amount	
29.	Microanalysis Center	MSE	3/28/14			<u>Internal</u>	
				Hour	\$30	Personal Services	
				Hour	\$30	Instrument Services	
						<u>Industrial</u>	
				Hour	\$36	Personal Services	
				Hour	\$45	Instrument Services	
30.	NMRI-MR Imaging Facility	BME	7/1/18			<u>Internal</u>	
				Hour	\$70	Personal Services - (1 hour minimum)	
				Hour	\$110	Instrument Services - (1 hour minimum)	
						<u>External (Industry)</u>	
				Hour	\$72	Personal Services - (1 hour minimum)	
				Hour	\$241	Instrument Services - (1 hour minimum)	
34.	Optical Microscopy	IBB	11/7/17			<u>Georgia Tech</u>	
				Hour	\$22	Instrument Services	
				Hour	\$24	Personal Services	
						<u>Affiliates and Industry Partners</u>	
				Hour	\$30	Instrument Services	
				Hour	\$32	Personal Services	
						<u>Industry</u>	
				Hour	\$105	Instrument Services	
				Hour	\$69	Personal Services	
						<u>Internal & External</u>	
35.	Vacuum Test Facility	AE	2/24/16	Day	\$621	Main Chamber Set Up	
				Day	\$1,605	Main Chamber Usage	
				Day	\$621	Small Chamber Set Up	
				Day	\$1,605	Small Chamber Usage	
43.	Invention Studio Center	ME	7/1/19			<u>Internal</u>	
				Cubic Inch	\$30	Objet Eden	
				Cubic Inch	\$20	F170	
				Cubic Inch	\$25	EOS Formiga	
						<u>External/Industry</u>	
				Cubic Inch	\$60	Objet Eden	
				Cubic Inch	\$48	F170	
				Cubic Inch	\$33	EOS Formiga	

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
47.	PACE	OIT	1/1/21				Internal
Group A - General HPC							
				Server-yr	\$1,386		[GEN] cpu-192GB
				Server-yr	\$1,567		[GEN] cpu-384GB
				Server-yr	\$1,835		[GEN] cpu-384GB-SAS
				Server-yr	\$1,835		[GEN] cpu-768GB
				Server-yr	\$2,418		[GEN] cpu-768GB-SAS
				Server-yr	\$3,897		[GEN] gpu-192GB-v100
				Server-yr	\$5,035		[GEN] gpu-384GB-RTX6000
				Server-yr	\$4,069		[GEN] gpu-384GB-v100
				Server-yr	\$5,240		[GEN] gpu-768GB-RTX6000
				Server-yr	\$4,437		[GEN] gpu-768GB-v100
				C/GPU-hr	\$0.0068		[GEN] cpu-192GB
				C/GPU-hr	\$0.0077		[GEN] cpu-384GB
				C/GPU-hr	\$0.0091		[GEN] cpu-384GB-SAS
				C/GPU-hr	\$0.0091		[GEN] cpu-768GB
				C/GPU-hr	\$0.0119		[GEN] cpu-768GB-SAS
				C/GPU-hr	\$0.2307		[GEN] gpu-192GB-v100
				C/GPU-hr	\$0.1491		[GEN] gpu-384GB-RTX6000
				C/GPU-hr	\$0.2409		[GEN] gpu-384GB-v100
				C/GPU-hr	\$0.1551		[GEN] gpu-768GB-RTX6000
				C/GPU-hr	\$0.2627		[GEN] gpu-768GB-v100
Group B - CUI HPC							
				Server-yr	\$1,365		[GEN] cpu-192GB
				Server-yr	\$2,079		[GEN] cpu-384GB
				Server-yr	\$3,076		[GEN] cpu-384GB-SAS
				Server-yr	\$2,576		[GEN] cpu-768GB
				C/GPU-hr	\$0.0067		[GEN] cpu-192GB
				C/GPU-hr	\$0.0103		[GEN] cpu-384GB
				C/GPU-hr	\$0.0152		[GEN] cpu-384GB-SAS
				C/GPU-hr	\$0.0127		[GEN] cpu-768GB
Service Group D - LIGO/OSG HPC							
				Server-yr	\$1,386		[LIGO/OSG] cpu-192GB
				Server-yr	\$1,567		[LIGO/OSG] cpu-384GB
				Server-yr	\$5,534		[LIGO/OSG] gpu-384GB-RTX6000
				C/GPU-hr	\$0.0068		[LIGO/OSG] cpu-192GB
				C/GPU-hr	\$0.0077		[LIGO/OSG] cpu-384GB
				C/GPU-hr	\$0.1639		[LIGO/OSG] gpu-384GB-RTX6000
Service Group E - Data Storage - Monthly Rates							
				per/TB	\$6.67		[Storage] Project Storage
				per/Drive Bay	\$41.22		[Storage] CUI
				per/TB	\$6.60		[Storage] Hive
				per/TB	\$2.61		[Storage] LIGO/OSG
				per/TB	\$3.33		[Storage] Archival
				per/TB	\$5.40		[Storage] Dataset Publication

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

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							Service Group F - Facilitation
					Hourly	\$98	General Consulting
					Hourly	\$98	CUI Consulting
							<u>External - Includes GTRI</u>
							Group A - General HPC
					Server-yr	\$4,933.83	[GEN] cpu-192GB
					Server-yr	\$5,586.84	[GEN] cpu-384GB
					Server-yr	\$5,848.55	[GEN] cpu-384GB-SAS
					Server-yr	\$6,019.30	[GEN] cpu-768GB
					Server-yr	\$6,886.34	[GEN] cpu-768GB-SAS
					Server-yr	\$7,455.77	[GEN] gpu-192GB-v100
					Server-yr	\$10,192.16	[GEN] gpu-384GB-RTX6000
					Server-yr	\$8,583.61	[GEN] gpu-384GB-v100
					Server-yr	\$9,565.71	[GEN] gpu-768GB-RTX6000
					Server-yr	\$8,349.13	[GEN] gpu-768GB-v100
					C/GPU-hr	\$0.0243	[GEN] cpu-192GB
					C/GPU-hr	\$0.0276	[GEN] cpu-384GB
					C/GPU-hr	\$0.0289	[GEN] cpu-384GB-SAS
					C/GPU-hr	\$0.0297	[GEN] cpu-768GB
					C/GPU-hr	\$0.0340	[GEN] cpu-768GB-SAS
					C/GPU-hr	\$0.4415	[GEN] gpu-192GB-v100
					C/GPU-hr	\$0.3018	[GEN] gpu-384GB-RTX6000
					C/GPU-hr	\$0.5083	[GEN] gpu-384GB-v100
					C/GPU-hr	\$0.2832	[GEN] gpu-768GB-RTX6000
					C/GPU-hr	\$0.4944	[GEN] gpu-768GB-v100
							Group B - CUI HPC
					Server-yr	\$11,524.56	[GEN] cpu-192GB
					Server-yr	\$12,958.62	[GEN] cpu-384GB
					Server-yr	\$16,540.47	[GEN] cpu-384GB-SAS
					Server-yr	\$13,170.73	[GEN] cpu-768GB
					C/GPU-hr	\$0.0569	[GEN] cpu-192GB
					C/GPU-hr	\$0.0639	[GEN] cpu-384GB
					C/GPU-hr	\$0.0816	[GEN] cpu-384GB-SAS
					C/GPU-hr	\$0.0650	[GEN] cpu-768GB
							Service Group D - LIGO/OSG HPC
					Server-yr	\$9,498.69	[LIGO/OSG] cpu-192GB
					Server-yr	\$8,376.94	[LIGO/OSG] cpu-384GB
					Server-yr	\$12,423.64	[LIGO/OSG] gpu-384GB-RTX6000
					C/GPU-hr	\$0.0469	[LIGO/OSG] cpu-192GB
					C/GPU-hr	\$0.0413	[LIGO/OSG] cpu-384GB
					C/GPU-hr	\$0.3678	[LIGO/OSG] gpu-384GB-RTX6000

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Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

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							Service Group E - Data Storage - Monthly Rates
					per/TB	\$7.68	[Storage] Project Storage
					per/Drive Bay	\$41.22	[Storage] CUI
					per/TB	\$6.60	[Storage] Hive
					per/TB	\$2.61	[Storage] LIGO/OSG
					per/TB	\$4.93	[Storage] Archival
					per/TB	\$5.40	[Storage] Dataset Publication
							Service Group F - Facilitation
					Hourly	\$98	General Consulting
					Hourly	\$98	CUI Consulting
48.	Mesoscale Materials Characterization	ME	4/2/14				<u>Educational Institutions</u>
					Hour	\$35	SEM
					Hour	\$45	SEM + EBSD
							<u>Industrial</u>
					Hour	\$42	SEM
					Hour	\$62	SEM + EBSD
49.	Carbon Fiber Research Center	MSE	7/1/20		Hour	\$203	Professor PS time
					Hour	\$67	Senior Res. Scientist
					Hour	\$45	GRA Time
					Day	\$560	Single Filament Spinning Equipment
					Day	\$560	Multifilament Spinning Equipment
					Week	\$2,800	Multifilament Stabilization & Carbonization
					Hour	\$70	Solution Preparation Equipment
					Days	\$560	Microcompounder/ Injection molding
					Hour	\$70	Characterization Instruments
					Day	\$560	Batch Furnance Equipment
50.	Machine Shop	AE	5/12/14				<u>Educational Institutions</u>
					Hour	\$55	Personal Services
					Hour	\$0	Machine Services
					Hour	\$55	Combined Rate
							<u>Industrial</u>
					Hour	\$65	Personal Services
					Hour	\$3	Machine Services
					Hour	\$68	Combined Rate
51.	GTMI Prototype Lab	GTMI	6/2/14				<u>GT & IPP Members</u>
					Hour	\$35	Personal Services
					Hour	\$60	GF Agie Charmilles
					Hour	\$60	Bridgeport GX CNC Milling
					Hour	\$60	Okuma Genos Lathe
					Hour	\$125	Optomec Aerosol 3D
					Cubic In.	\$11	Statasys Connex 3D
					Cubic In.	\$16	Stratasys MOJO
							<u>Industrial</u>
					Hour	\$35	Personal Services
					Hour	\$130	GF Agie Charmilles
					Hour	\$120	Bridgeport GX CNC Milling
					Hour	\$120	Okuma Genos Lathe
					Hour	\$156	Optomec Aerosol 3D
					Cubic In.	\$11	Statasys Connex 3D
					Cubic In.	\$16	Stratasys MOJO

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
52.	Cellular Analysis Core	IBB	12/15/16	7/1/20			<u>GT Investigators</u>
					Hour	\$20	Personal Services
					Hour	\$20	Training Rate
					Hour	\$15	BD FACS ARIA IIIu Analyser
					Hour	\$58	BD FACS ARIA IIIu Sorter
					Hour	\$15	BD LSR II
					Hour	\$10	BD Accuri Analyzer
					Hour	\$7	AMBR Microbioreactor
					Hour	\$10	Li-COR
					Hour	\$10	Multisizer
					Hour	\$15	Amnis Imagestream
					Hour	\$54	Helios
					Hour	\$34	Hyperion
					Hour	\$7	Axion Maestro
					Hour	\$5	Beckman Coulter Meta Flex (Service
					Hour	\$10	ACEA Novocute Analyzer
					Hour	\$10	Typhoon Image
							<u>Other Academic Investigators & Industry Partners</u>
					Hour	\$43	Personal Services
					Hour	\$33	Training Rate
					Hour	\$26	BD FACS ARIA IIIu Analyser
					Hour	\$80	BD FACS ARIA IIIu Sorter
					Hour	\$26	BD LSR II
					Hour	\$18	BD Accuri Analyzer
					Hour	\$14	AMBR Microbioreactor
					Hour	\$15	Li-COR
					Hour	\$18	Multisizer
					Hour	\$16	Amnis Imagestream
					Hour	\$74	Helios
					Hour	\$54	Hyperion
					Hour	\$10	Axion Maestro
					Hour	\$7	Beckman Coulter Meta Flex (Service
					Hour	\$18	ACEA Novocute Analyzer
					Hour	\$15	Typhoon Image
							<u>Industry</u>
					Hour	\$43	Personal Services
					Hour	\$34	Training Rate
					Hour	\$138	BD FACS ARIA IIIu Analyser
					Hour	\$138	BD FACS ARIA IIIu Sorter
					Hour	\$35	BD LSR II
					Hour	\$20	BD Accuri Analyzer
					Hour	\$25	AMBR Microbioreactor
					Hour	\$21	Li-COR
					Hour	\$25	Multisizer
					Hour	\$20	Amnis Imagestream
					Hour	\$167	Helios
					Hour	\$148	Hyperion
					Hour	\$18	Axion Maestro
					Hour	\$10	Beckman Coulter Meta Flex (Service
					Hour	\$20	ACEA Novocute Analyzer
					Hour	\$21	Typhoon Image

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service	
					Basis	Amount		
55.	Neuro Design Suite	IBB	5/11/15			<u>GA Tech</u>		
				Hour	\$85	Machine Service		
				Hour	\$100	<u>Other Academic</u> Machine Service		
				Hour	\$125	<u>Industrial</u> Machine Service		
57.	Precision Services Lab	ME	9/28/15			<u>Educational Institutions</u>		
				Hour	\$193	CT Scanner		
				Hour	\$171	Equipment Use		
				Hour	\$193	<u>Industrial</u> CT Scanner		
				Hour	\$171	Equipment Use		
58.	Molecular Evolution	IBB	7/1/17	7/1/21		<u>All Users</u>		
					oligo	\$45	1umole PAGE purification of synthesized oligos	
					residue	\$0.60	1umole scale unpurified DNA oligonucleotide synthesis	
					oligo	\$15	2' deprotection or RNA purification of synthesized oligos	
					oligo	\$28	200nmole PAGE purification of synthesized oligos	
					residue	\$0.30	200nmole scale unpurified DNA oligonucleotide synthesis	
					residue	\$0.10	25nmole scale unpurified DNA oligonucleotide synthesis (<350 bases)	
					oligo	\$15	40nmole PAGE purification of synthesized oligos	
					residue	\$0.10	40nmole scale unpurified DNA oligonucleotide synthesis (<119 bases)	
							40nmole scale unpurified DNA oligonucleotide synthesis (>119 modified or unmodified bases)	
					residue	\$0.20	50,000 sequencing reads with library preparation	
					50,000 reads	\$33	12 X 12 Chip	
					chip	\$50	48.48 Gene Expression	
					chip	\$50	48.48 Genotyping	
					chip	\$50	48.48 Pre-Amp	
					chip	\$50	48.48 Taqman Gene Expression	
					chip	\$50	96.96 Gene Expression	
					chip	\$50	96.96 Genotyping	
					chip	\$50	96.96 Pre-Amp	
					Plate	\$15	Agar plates (per 20 plates)	
					sample	\$15	Agarose gel analysis 1 to 7 samples	
					sample	\$200	Antibody/Hybridoma sequencing	
					hour	\$10	Andrew pipetting robot	
tube	\$0.50	Antibiotics stock solutions						
chip	\$10	Bioanalyzer 2100 (DNA 1000) with seq at the core						
chip	\$10	Bioanalyzer 2100 (DNA HS) with seq at the core						
chip	\$20	Bioanalyzer 2100 w/o seq at core (DNA 1000)						
chip	\$20	Bioanalyzer 2100 w/o seq at core (DNA HS)						
chip	\$50	Bioanalyzer 2100 w/o seq at core (protein)						
chip	\$17	Bioanalyzer 2100 RNA Nano w/o seq at the core						
chip	\$10	Bioanalyzer 2100 RNA Nano with seq at the core						
chip	\$33	Bioanalyzer 2100 RNA Pico w/o seq at the core						
chip	\$10	Bioanalyzer 2100 RNA Pico with seq at the core						

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates Basis	Amount	Service
							Bioanalyzer run with reagents provided by the customer (DNA 1000, DNA HS, RNA Pico and RNA Nano)
					chip	\$5	
					hour	\$60	Bioanalyzer training
					cartridge	\$50	BioRad ddSeq Single Cell Isolator
					oligo	\$5	Cartridge purification of synthesized DNA oligos
					Month/User	\$369	Cell culture room usage
					sample	\$100	Chromium™ Single Cell 3' GEM, Library & Isolation and Prep 4 sample sets
					sample	\$100	Chromium™ Single Cell 3' GEM, Library & Isolation and Prep Single Sample
					sample	\$100	Chromium™ Single Cell 5' Library & Library & Isolation and Prep, 4 Sample Sets
					sample	\$100	Chromium™ Single Cell 5' Library & Library & Isolation and Prep, Single Sample
					colonies	\$15	Colony Picking, 96 colonies
					hour	\$85	Consultant Charge
					hour	\$0	Crocodile instrument use
					clone	\$800	Custom Cloning (advanced)
					clone	\$85	Custom Cloning (basic)
					sample	\$600	Custom Region Saturated mutagenesis library
					chip	\$20	ddPCR
					chip	\$17	ddPCR w/o reagents
					hour	\$20	DeNovix and Qubit training
					units	\$28	DNA ladder, 100
					Phage displays	\$9,000	DSFV Phage Display (1)
					Phage displays	\$15,000	DSFV Phage Display (10)
					vial	\$28	E. coli and Yeast competent cells
					sample	\$20	E.coli cells transformation per plasmid
					hour	\$15	Electroporator training
					hour	\$0	ELISA equipment use
					reaction	\$28	Error Prone PCR
					library	\$450	Error Prone PCR with Library Construction
					sample	\$3	Fragment analysis
					1/vial/yr	\$1	frozen stock sample storage -80 per vial
					vial	\$15	Gel purification of the NGS libraries
					reaction	\$2	Gibbson assembly enzyme mixture 1 reaction
					set	\$50	GT XT custom adapter primers SetA
					set	\$50	GT XT custom adapter primers SetB
					set	\$50	GT XT custom adapter primers SetC
					set	\$50	GT XT custom adapter primers SetD
					sample	\$33	High volume of DNA libraries (over 96)
					sample	\$33	High volume of RNA libraries (over 96)
					reaction	\$1	High volume of Sanger samples (over 32)
					reaction	\$0.50	High volume of Sanger samples (over 96)
					adapter	\$15	Illumina compatible index adapters - single and dual indexed
					sample	\$33	Indel sequencing
					5/1M , 1ml	\$3	IPTG solution, 1M solution; 1mL
					run	\$170	iSeq 100 i1- full service
					run	\$95	iSeq 100 i1- self service
					run	\$170	iSeq 100i1 run with reagents provided by the customer
					hour	\$85	iSeq training
					hour	\$0	KingFisher instrument use
					hour	\$85	KingFisher training
					hour	\$85	Labcyte training
					sample	\$100	Library Pooling up to 288 samples by Qubit
					sample	\$85	Library Pooling up to 384 samples by qPCR

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate	Rate	Rates		Service
			Study Date	Update Date	Basis	Amount	
					sample	\$100	Library Pooling up to 384 samples by Qubit
					sample	\$85	Library Pooling up to 48 samples by qPCR
					sample	\$28	Library Pooling up to 48 samples by Qubit
					sample	\$85	Library Pooling up to 8 samples by qPCR
					sample	\$5	Library Pooling up to 8 samples by Qubit
					sample	\$85	Library Pooling up to 96 samples by qPCR
					sample	\$50	Library Pooling up to 96 samples by Qubit
					sample	\$15	Library Pooling up to 24 samples by Qubit
					sample	\$85	Library Pooling up to 24 samples by qPCR
					sample	\$75	Library Pooling up to 144 samples by Qubit
					sample	\$85	Library Pooling up to 144 samples by qPCR
					sample	\$85	Library Pooling up to 192 samples by qPCR
					sample	\$85	Library Pooling up to 288 samples by qPCR
					sample	\$100	Library Pooling up to 192 samples by Qubit
					sample	\$45	Library preparation (NEB DNA Ultra II)
					sample	\$60	Library preparation (NEB RNA Ultra II)
					sample	\$50	Library preparation (Nextera DNA Flex)
					sample	\$50	Library preparation (Nextera Exome)
					sample	\$100	low input RNA library preparation
					L	\$15	Medium for bacterial and yeast growth, 1L
					sample	\$60	miRNA library preparation
					run	\$350	MiniSeq High Output Kit (150 cycles) SE150 or PE75
					run	\$350	MiniSeq High Output Kit (300 cycles) PE150
					run	\$170	MiniSeq High Output Kit (75 cycles) SE75 or PE35
					run	\$170	MiniSeq Mid Output Kit (300 cycles) PE150
					run	\$350	MiSeq Nano and Micro kit self service
					run	\$550	MiSeq v2 and v3 kit self service
					run	\$450	MiSeq® Reagent Kit v2 (300 cycle)
					run	\$350	MiSeq® Reagent Kit v2 (50 cycle)
					run	\$450	MiSeq® Reagent Kit v2 (500 cycle)
					run	\$350	MiSeq® Reagent Kit v3 (150 cycle)
					run	\$450	MiSeq® Reagent Kit v3 (600 cycle)
					run	\$230	MiSeq® Reagent Micro Kit v2 (300 Cycles)
					run	\$230	MiSeq® Reagent Nano Kit v2 (300 Cycles)
					run	\$230	MiSeq® Reagent Nano Kit v2 (500 Cycles)
					sample	\$2	Nano Drop
					run	\$550	NextSeq High Output Kit (150 Cycles) SE150 or PE75
					run	\$550	NextSeq High Output Kit (300 Cycles) PE150
					run	\$450	NextSeq High Output Kit (75 Cycles) SE75 or PE35
					run	\$510	NextSeq Mid Output Kit (150 Cycles) SE150 or PE75
					run	\$510	NextSeq Mid Output Kit (300 Cycles) PE150
					run	\$50	NGS plasmid sequencing
					1.6B	\$1,500	NovaSeq S1 (2*100)
					1.6B	\$2,600	Novaseq S1 (2*150)
					1.6B	\$900	NovaSeq S1 (2*50)
					4.1B	\$2,600	NovaSeq S2 (2*100)
					2.2B	\$1,000	NovaSeq S2 (2*100) per lane (with XP - 2 lane)
					4.1B	\$3,500	NovaSeq S2 (2*150)
					2.2B	\$1,800	NovaSeq S2 (2*150) per lane (with XP - 2 lane)
					4.1B	\$2,600	NovaSeq S2 (2*50)
					2.2B	\$1,000	NovaSeq S2 (2*50) per lane (with XP - 2 lane)
					10B	\$3,500	NovaSeq S4 (2*100)

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
					2.5B	\$1,000	NovaSeq S4 (2*100) per lane (with XP - 4 lane)
					10B	\$5,000	NovaSeq S4 (2*150)
					2.5B	\$1,100	NovaSeq S4 (2*150) per lane (with XP - 4 lane)
					800M	\$1,500	NovaSeq SP (2*100)
					400M	\$900	NovaSeq SP (2*100) per lane (with XP-2 lane)
					800M	\$2,400	NovaSeq SP (2*150)
					400M	\$1,500	NovaSeq SP (2*150) per lane (with XP- 2 lane)
					800M	\$2,600	NovaSeq SP (2*250)
					400M	\$1,500	NovaSeq SP (2*250) per lane (with XP-2 lane)
					800M	\$1,500	NovaSeq SP (2*50)
					plate	\$100	Nucleic acid extraction using the KingFisher
					sample	\$2	Nucleofector
					sample	\$140	Oxford Nanopore Amplicon single sample library prep with ligation starting from ampli
					sample	\$230	Oxford Nanopore Direct RNA single sample library prep
					sample	\$140	Oxford Nanopore DNA single sample library prep with ligation
					sample	\$95	Oxford Nanopore DNA single sample library prep with rapid ligation
					sample	\$33	Oxford Nanopore Multiplexed DNA library prep with ligation (per sample)
					sample	\$230	Oxford Nanopore PCR cDNA seq single sample library prep
					sample	\$230	Oxford Nanopore PCR-free cDNA seq sample library prep
					run	\$99	Oxford Nanopore sequencing (per run)
					units	\$20	Phusion DNA polymerase, 1000 units
					prep plus shipping	\$45	Plasmid Prep (Miniprep) up to 400ng/ul with 50ul provided
					program	\$600	Plasmid cloning training
					sample	\$45	Plasmid Maxiprep
					sample	\$33	Plasmid Midiprep
					sample	\$3	QIAcube DNA Extraction /sample, reagents provided by customer
					sample	\$3	QiaCube RNA Extraction /sample, reagents provided by customer
					sample	\$2	QiaCube with reagents not provided by the customer
					sample	\$4	Qubit
					hour	\$0	qPCR equipment use
					hour	\$22	QuantStudio training
					hour	\$2	Remote desktop Genious DNA analysis software per hour
					sample	\$5	Restriction enzyme digestion per reaction
					residue	\$5	RNA, 2' o-Methyl or Fluoro RNA synthesis
					oligo	\$15	RP-HPLC for synthesized DNA oligos <100 bases
					sample	\$60	rRNA depletion library preparation
					reaction	\$3	Sanger Sequencing
					hour	\$85	SeqStudio training
					set up	\$200	Set up fee for Andrew pipetting Robot
					sample	\$100	Single Cell ATAC Seq Assay
					sample	\$100	Single Cell ATAC Seq Assay, 4 sample Set
					sample	\$20	SureCell WTA 3' Library Pre Kit - ddSeq System
					1M reads	\$100	Small genome sequencing (1M reads) with library preparation
					units	\$10	Taq DNA polymerase, 1000 units
					set	\$140	Targeted 16S sequencing (1-32)
					set	\$170	Targeted 16S sequencing (33 - 64)
					set	\$200	Targeted 16S sequencing (65 - 96)
					set	\$15	Targeted 16S sequencing (per set of 8 after 96)
					hour	\$0	Tissue Lyser II use
					hour	\$20	Tissue Lyser training
					sample	\$4	Qubit W/o reagents
					sample	\$50	Library preparation (Nextera DNA Flex) W/o reagents

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
					sample	\$50	Library preparation (Nextera Exome) W/o reagents
					sample	\$45	Library preparation (NEB DNA Ultra II) W/o reagents
					sample	\$60	Library preparation (NEB RNA Ultra II) W/o reagents
					course	\$2,600	Recombinant DNA training
					box	\$1.25	Tip washing using bleach for standard tips
					box	\$1.25	Tip washing using Grenoclean for standard tips
					box	\$1.25	Tip washing using bleach for premium tips
					box	\$1.75	Tip washing using Grenoclean for premium tips
					hour	\$85	qPCR concept training
60.	Acoustics Water Tank Lab	ME	7/1/20				<u>Internal / Other Georgia Tech Departments</u>
					Hour	\$0	Underwater Acoustic Measurements
					Hour	\$168	<u>External / Other Educations Institutions</u> Underwater Acoustic Measurements
					Hour	\$168	<u>External /Corporate</u> Underwater Acoustic Measurements
61.	Mechanical Properties Characterization Facility	IMaT	7/1/19				<u>Internal / Other Georgia Tech Departments</u>
					Hour	\$60	Personal Services
					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
							<u>External /Industry</u>
					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				<u>All Users</u>
					Per Analysis	\$300	Full Service Structure Analysis
					Per Hour	\$75	Personnel Assistance
					Per Hour	\$25	Instrument Services
63.	Systems Mass Spectrometry Center	IBB	11/9/16	7/1/20			<u>GT & External Educational Institutes</u>
					Per Sample	\$22	Sample Preparation - Proteomics
					Per Sample	\$86	LC-MS/MS Analysis - Proteomics
					Per Sample	\$9	Data Analysis - Proteomics
					Per Sample	\$7	Sample Preparation - Metabolomics
					Per Sample	\$38	LC-MS/MS Analysis - Metabolomics
					Per Sample	\$11	Data Analysis - Metabolomics
					Per Sample	\$32	Additional Data Processing

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates Basis	Amount	Service
							<u>GT Industry Partners</u>
					Per Sample	\$43	Sample Preparation - Proteomics
					Per Sample	\$155	LC-MS/MS Analysis - Proteomics
					Per Sample	\$21	Data Analysis - Proteomics
					Per Sample	\$11	Sample Preparation - Metabolomics
					Per Sample	\$54	LC-MS/MS Analysis - Metabolomics
					Per Sample	\$15	Data Analysis - Metabolomics
					Per Sample	\$43	Additional Data Processing
							<u>Industry</u>
					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
65.	GVU Prototyping Lab	SoIC	7/1/18	7/1/21			<u>Internal/Federal</u>
					Cubic Inch	\$14	Dimesnison ABS Printer
					Cubic Inch	\$15	3D Systems Project (SD)
					Cubic Inch	\$16	3D Systems Project (HD)
							<u>External (Industry)</u>
					Cubic Inch	\$49	Dimesnison ABS Printer
					Cubic Inch	\$28	3D Systems Project (SD)
					Cubic Inch	\$33	3D Systems Project (HD)
66.	Biomolecular Characterization and Analysis	IBB/EBB	7/1/17				<u>All Users</u>
					Hour	\$0	Personal Services (Training), per hour
					Hour	\$5	BioTek Synergy H4 Multimode Plate Reader
					Hour	\$5	QuantStudio 6 Flex rtPCR
					Hour	\$5	Applied Biosystems StepOne Plus rtPCR#2
					Hour	\$20	Arcturus XT Laser Capture Microdissection System
					Hour	\$0	AMAXA Electroporation Device
					Hour	\$5	Amersham RGB 600 Imager
					Hour	\$5	Optima XPN Ultracentrifuge
					Hour	\$2	Allegra benchtop centrifuge
					Hour	\$2	Microcentrifuge
					Hour	\$10	FAST prep 24 homogenizer
					Hour	\$5	High performance centrifuge
					Hour	\$10	GE FLA 9500
					Flask	\$5	Freeze-zone Freeze Dry System
					Hour	\$5	LI-COR imager
					Hour	\$10	AP Chirascan-Plus
					Hour	\$5	BioTek Synergy H4 (short)
					Day	\$30	BioTek Synergy H4 (long)
					Hour	\$3	GE AKTA Pure 25
					Hour	\$0	GE Ultrospec 2100 Pro
					Hour	\$15	Olis RSM1000
					Hour	\$5	Shimadzu Prominence
					Per Session	\$0	Shimadzu Prominence

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate	Rate	Rates		Service
			Study Date	Update Date	Basis	Amount	
					Hour	\$0	Stratagene Mx3005P
					Hour	\$10	Wyatt DynaPro NanoStar
					Hour	\$10	Malvern Viscotek SEC-MALS 20
					Hour	\$10	Malvern Zetasizer Nano Z
					Hour	\$10	Wyatt Dynapro Plate Reader
					Hour	\$5	Nano Temper Promethius
					Hour	\$5	Ultracentrifuge
					Hour	\$5	High Speed Centrifuge Avanti
					Hour	\$5	Isothermal calorimetry
					Hour	\$10	Differential Scanning Calorimetry
					Sample	\$50	Analytical ultracentrifuge
							<u>Affiliates and Industry Partners</u>
					Hour	\$45	Personal Services (Training), per hour
					Hour	\$8	BioTek Synergy H4 Multimode Plate Reader
					Hour	\$7	QuantStudio 6 Flex rtPCR
					Hour	\$7	Applied Biosystems StepOne Plus rtPCR#2
					Hour	\$40	Arcturus XT Laser Capture Microdissection System
					Hour	\$5	AMAXA Electroporation Device
					Hour	\$8	Amersham RGB 600 Imager
					Hour	\$8	Optima XPN Ultracentrifuge
					Hour	\$5	Allegra benchtop centrifuge
					Hour	\$5	Microcentrifuge
					Hour	\$20	FAST prep 24 homogenizer
					Hour	\$13	High performance centrifuge
					Hour	\$15	GE FLA 9500
					Flask	\$10	Freeze-zone Freeze Dry System
					Hour	\$8	LI-COR imager
					Hour	\$15	AP Chirascan-Plus
					Hour	\$8	BioTek Synergy H4 (short)
					Day	\$50	BioTek Synergy H4 (long)
					Hour	\$8	GE AKTA Pure 25
					Hour	\$5	GE Ultrospec 2100 Pro
					Hour	\$20	Olis RSM1000
					Hour	\$9	Shimadzu Prominence
					Per Session	\$65	Shimadzu Prominence
					Hour	\$5	Stratagene Mx3005P
					Hour	\$15	Wyatt DynaPro NanoStar
					Hour	\$15	Malvern Viscotek SEC-MALS 20
					Hour	\$15	Malvern Zetasizer Nano Z
					Hour	\$15	Wyatt Dynapro Plate Reader
					Hour	\$16	Nano Temper Promethius
					Hour	\$8	Ultracentrifuge
					Hour	\$13	High Speed Centrifuge Avanti
					Hour	\$8	Isothermal calorimetry
					Hour	\$15	Differential Scanning Calorimetry
					Sample	\$100	Analytical ultracentrifuge

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate	Rate	Rates		Service
			Study Date	Update Date	Basis	Amount	
							<u>External (Industry)</u>
					Hour	\$45	Personal Services (Training), per hour
					Hour	\$11	BioTek Synergy H4 Multimode Plate Reader
					Hour	\$7	QuantStudio 6 Flex rtPCR
					Hour	\$8	Applied Biosystems StepOne Plus rtPCR#2
					Hour	\$100	Arcturus XT Laser Capture Microdissection System
					Hour	\$5	AMAXA Electroporation Device
					Hour	\$15	Amersham RGB 600 Imager
					Hour	\$15	Optima XPN Ultracentrifuge
					Hour	\$10	Allegra benchtop centrifuge
					Hour	\$10	Microcentrifuge
					Hour	\$40	FAST prep 24 homogenizer
					Hour	\$13	High performance centrifuge
					Hour	\$20	GE FLA 9500
					Flask	\$20	Freeze-zone Freeze Dry System
					Hour	\$15	LI-COR imager
					Hour	\$22	AP Chirascan-Plus
					Hour	\$11	BioTek Synergy H4 (short)
					Day	\$65	BioTek Synergy H4 (long)
					Hour	\$8	GE AKTA Pure 25
					Hour	\$10	GE Ultrospec 2100 Pro
					Hour	\$40	Olis RSM1000
					Hour	\$9	Shimadzu Prominence
					Per Session	\$130	Shimadzu Prominence
					Hour	\$20	Stratagene Mx3005P
					Hour	\$20	Wyatt DynaPro NanoStar
					Hour	\$15	Malvern Viscotek SEC-MALS 20
					Hour	\$29	Malvern Zetasizer Nano Z
					Hour	\$24	Wyatt Dynapro Plate Reader
					Hour	\$16	Nano Temper Promethius
					Hour	\$15	Ultracentrifuge
					Hour	\$13	High Speed Centrifuge Avanti
					Hour	\$20	Isothermal calorimetry
					Hour	\$25	Differential Scanning Calorimetry
					Sample	\$261	Analytical ultracentrifuge
67.	IDEAS: MD3	IMaT	7/1/17				<u>Internal & Federal Users</u>
					12 Mths	\$6,105	MATIN Annual (12mth) Support Package
					1 Month	\$733	MATIN Monthly Package
					10 Hours	\$665	Additional Support Package (10 Hrs)
							<u>External</u>
					12 Mths	\$6,105	MATIN Annual (12mth) Support Package
					1 Month	\$733	MATIN Monthly Package
					10 Hours	\$665	Additional Support Package (10 Hrs)

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
68.	STAMI Polymer and Molecular Characterization Facility	Chem	7/1/17				
							<u>Internal Trained Users</u>
				Hour	\$5		TA Q200
				Hour	\$5		Perkin Elmer Pyris 1
				Hour	\$5		Malvern Viscotek (THF)
				Hour	\$7		Tosoh GPC
				Hour	\$5		Tosoh GPC (tri-chlorobenzene)
				Hour	\$5		Wyatt DynaPro NanoStar DLS
				Hour	\$5		Horiba Jobin Yvon Fluorimeter FL-1005
				Hour	\$5		Horiba Jobin Yvon Fluorimeter FL3-21
				Hour	\$5		Shimadzu IR Prestige 21
				Hour	\$5		Cary 5000
				Hour	\$6		Aligent 7890a & 5975C
				Hour	\$8		Agilent 6120BMS, 1260 LC
				Hour	\$5		Contact Angle Goniometer
							<u>Internal Sample Run & Training</u>
				Hour	\$29.30		TA Q200
				Hour	\$40.00		Perkin Elmer Pyris 1
				Hour	\$40.00		Malvern Viscotek (THF)
				Hour	\$50.00		Tosoh GPC
				Hour	\$40.00		Tosoh GPC (tri-chlorobenzene)
				Hour	\$40.00		Wyatt DynaPro NanoStar DLS
				Hour	\$35.97		Horiba Jobin Yvon Fluorimeter FL-1005
				Hour	\$35.44		Horiba Jobin Yvon Fluorimeter FL3-21
				Hour	\$35.62		Shimadzu IR Prestige 21
				Hour	\$32.82		Cary 5000
				Hour	\$50.00		Aligent 7890a & 5975C
				Hour	\$60.00		Agilent 6120BMS, 1260 LC
				Hour	\$40.00		Contact Angle Goniometer
							<u>External Users</u>
				Hour	\$29.30		TA Q200
				Hour	\$56.84		Perkin Elmer Pyris 1
				Hour	\$58.53		Malvern Viscotek (THF)
				Hour	\$61.24		Tosoh GPC
				Hour	\$89.48		Tosoh GPC (tri-chlorobenzene)
				Hour	\$106.92		Wyatt DynaPro NanoStar DLS
				Hour	\$35.97		Horiba Jobin Yvon Fluorimeter FL-1005
				Hour	\$35.44		Horiba Jobin Yvon Fluorimeter FL3-21
				Hour	\$35.62		Shimadzu IR Prestige 21
				Hour	\$32.82		Cary 5000
				Hour	\$79.91		Aligent 7890a & 5975C
				Hour	\$127.62		Agilent 6120BMS, 1260 LC
				Hour	\$94.90		Contact Angle Goniometer

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
69.	Bioimaging and Biomechanical Properties Testing	IBB	7/1/17			<u>GEORGIA TECH INTERNAL USERS</u>	
				Hour	\$50.80	CT Personal Services, per hour	
				Unit	\$3.95	Set Up Charge	
				Per Slice	\$0.05	Medium Resolution, per slice	
				Per Slice	\$0.14	High Resolution, per slice	
				Per Slice	\$1.06	Custom Resolution, per slice	
				Hour	\$25.00	Fluorescence / Bioluminescence imaging, per hour	
				Hour	\$13.69	Biomechanics Machine Services, per hour	
						<u>EDUCATIONAL INSTITUTES & IBB INDUSTRY PARTNERS</u>	
				Hour	\$59.84	CT Personal Services, per hour	
				Unit	\$4.47	Set Up Charge	
				Per Slice	\$0.06	Medium Resolution, per slice	
				Per Slice	\$0.16	High Resolution, per slice	
				Per Slice	\$1.20	Custom Resolution, per slice	
				Hour	\$48.00	Fluorescence / Bioluminescence imaging, per hour	
				Hour	\$15.51	Biomechanics Machine Services, per hour	
						<u>INDUSTRY</u>	
				Hour	\$69.89	CT Personal Services, per hour	
				Unit	\$5.24	Set Up Charge	
				Per Slice	\$0.07	Medium Resolution, per slice	
				Per Slice	\$0.19	High Resolution, per slice	
				Per Slice	\$1.42	Custom Resolution, per slice	
				Hour	\$97.43	Fluorescence / Bioluminescence imaging, per hour	
				Hour	\$18.20	Biomechanics Machine Services, per hour	
70.	Electrical Testing of Materials and Devices	MSE	7/1/17			<u>Internal</u>	
				Sample	\$250	Initial Test Sample	
				Use	\$250	Standard Setup	
				Sample	\$100	Repeat of Initial Test Sample	
				Cost	Cost	Non Standard Setup (Material)	
				Hour	\$148	Director Consulting	
				Hour	\$50	GRA Consulting	
						<u>External (Industry)</u>	
				Sample	\$255	Initial Test Sample	
				Use	\$257	Standard Setup	
				Sample	\$160	Repeat of Initial Test Sample	
				Cost	Cost	Non Standard Setup (Material)	
				Hour	\$148	Director Consulting	
				Hour	\$64	GRA Consulting	
71.	Tribology & Surface Engineering Lab	ME	7/1/18			<u>Internal/Federal</u>	
				Hour	\$50	Lab Rate	
						<u>External (Industry)</u>	
				Hour	\$50	Lab Rate	

Georgia Institute of Technology
Grants and Contracts Accounting
Service/Recharge Center Rate Studies
8/2/2021

No.	Name of Rate Study	Department	Rate Study Date	Rate Update Date	Rates		Service
					Basis	Amount	
72.	TKIS-GT Pyro Processing Lab	MSE	7/1/19				<u>Internal /Federal</u>
					Test	\$1,300	Per Test
					Hour	\$64	Instrument/Kiln Only Per Hour
					Hour	\$51	Senior Scientist
					Hour	\$184	Senior Consultant
							<u>External (TKIS Users)</u>
					Test	\$1,300	Per Test
					Hour	\$64	Instrument/Kiln Only Per Hour
					Hour	\$51	Senior Scientist
					Hour	\$184	Senior Consultant
							<u>External (Industry)</u>
					Test	\$1,300	Per Test
Hour	\$64	Instrument/Kiln Only Per Hour					
Hour	\$51	Senior Scientist					
Hour	\$184	Senior Consultant					
76.	DataWorks	COC	7/1/20				<u>Internal</u>
					Hour	\$32	Personal Service Time
					Hour	\$32	<u>Other Educational Institution and Non-Profits</u> Personal Service Time
			Hour	\$41	<u>External - Industry (For Profit)</u> Personal Service Time		
77.	IRIM - CAREN	IRIM	1/1/21				<u>Internal (Ga Tech) and Federal Users</u>
					Hour	\$45	Personal Service Time
					Hour	\$25	Instrument Services
							<u>Other Educational Institutions</u>
					Hour	\$45	Personal Service Time
					Hour	\$187	Instrument Services
							<u>External - Industry (For Profit)</u>
Hour	\$45	Personal Service Time					
Hour	\$187	Instrument Services					

Facility Use Rate

These are rates established for the infrequent and non-recurring use by external entities of Georgia Tech lab facilities that are unique and not commercially available.

13.	Stable Isotope Facility	EAS	8/25/14	Hour	\$18	<u>Other Academic</u>
					\$37	Machine Service <u>Corporate</u> Machine Service