

## Materials Research Laboratory - UCSB Shared Experimental Facilities

### SUMMARY OF INDIVIDUAL RATES EFFECTIVE 7/1/24

(T = TEMPO labs; P= Polymer Characterization labs; S= Spectroscopy labs; X= Xray labs; E=Energy lab)

Name of Good or Service		Billing Unit	On-Campus Rate	Off-Campus Rate (Academic/Non-Profit)	Off-Campus Rate (Private/For Profit)
T-1	Porosimeter-BET	per day	50.00	77.75	150.00
T-3	ICP-OES Spectrometer	per hour	45.00	69.98	135.00
T-4	TGA	per hour	22.50	34.99	67.50
T-5	TGA-Mass Spec	per hour	58.00	90.19	174.00
T-6a	Fluorimeter	per hour	23.00	35.77	69.00
T-6b	Fluorimeter with Integrating Sphere	per hour	38.00	59.09	114.00
T-7	AccuPyc 1340 Pycnometer	per hour	19.50	30.32	58.50
T-8	UN-Vis-NIR Spectrometer	per hour	20.00	31.10	60.00
T-9	Fluorescence Microscope	per hour	23.00	35.77	69.00
T-11	Magnetic Property Measurement System (MPMS3, aka SQUID): <b>minimum 6 hr reservation</b>	per hour	8.50	13.22	\$100/hr for first 6 hrs OR \$800/day. No 6 hr minimum
T-12 & T-13	9 Tesla DynaCool Physical Properties Measurement System (D1 & D2 PPMS) - ETO, Res, TTO, HC: <b>minimum 6 hr reservation</b>	per hour	8.80	13.68	\$100/hr for first 6 hrs OR \$800/day. No 6 hr minimum
T-14	Nicolet iS10 Fourier Transforms Infrared (FTIR)	per hour	20.00	31.10	60.00
T-17	14 Tesla DynaCool Physical Properties Measurement System (D3 PPMS) - ETO, RES, 50mK DR, VSM & oven: <b>minimum 6 hrs reservation</b>	per hour	10.00	15.55	\$100/hr for first 6 hrs OR \$800/day. No minimum time.
T-18	Mossbauer	per day	70.00	108.85	210.00
T-19	Ethos Microwave Digestion System (NEW)	per sample	60.00	93.30	180.00
P-1	TA Instruments Differential Scanning Calorimeter (DSC) DSC2500	per run	26.50	41.21	79.50
P-2	Shimadzu GC-2014 Gas Chromatograph	per run	12.25	19.05	36.75
P-3	GPC - using chloroform	per run	11.00	17.11	33.00
P-4	GPC - using DMF	per run	21.00	32.66	63.00
P-5	GPC - with MALS, Viscostar, and Rex detectors	per run	19.30	30.01	57.90
P-7a	Nano Isothermal Titration Calorimeter (ITC)	per hour	11.35	17.65	34.05
P-7b	Nano Isothermal Titration Calorimeter (ITC)	per day	68.10	105.90	204.30
P-8	Microwave Reactors (CEM and Biotage)	per run	14.00	21.77	42.00
P-9	Rheometer I (with water bath)	per hour	22.05	34.29	66.15
P-11	Wyatt DynaPro NanoStar dynamic light scatterer (DLS)	per run	15.40	23.95	46.20
P-12	UPLC Xevo ToF	per run	17.85	27.76	53.55
P-14	GPC - Aqueous	per run	13.20	20.53	39.60
P-17	Dynamic Mechanical Analyzer (DMA)	per hour	27.60	42.92	82.80
P-18	ARES-G2 Rheometer	per hour	27.50	42.76	82.50
P-19	GPC - using THF	per run	11.00	17.11	33.00

S-1a	Fluorimeter (Room 1403, CNSI) Prime time rate: 8:00am - 8:00pm	per hour	23.93	37.21	71.79
S-1b	Fluorimeter (Room 1403, CNSI) Non-prime time rate: 8:00pm - 8:00am	per hour	18.70	29.08	56.10
S-2a	IPSO 400 DNP NMR Prime time rate: 8:00am - 8:00pm	per hour	35.59	55.34	106.77
S-2b	IPSO 400 DNP NMR Non-prime time rate: 8:00pm - 8:00am	per hour	27.66	43.01	82.98
S-3a	Avance 500 SB NMR Prime time rate: 8:00am - 8:00pm	per hour	28.13	43.74	84.39
S-3b	Avance 500 SB NMR Non-prime time rate: 8:00pm - 8:00am	per hour	21.77	33.85	65.31
S-4a	IPSO 500 WB NMR Prime time rate: 8:00am - 8:00pm	per hour	27.72	43.10	83.16
S-4b	IPSO 500 WB NMR Non-prime time rate: 8:00pm - 8:00am	per hour	21.56	33.53	64.68
S-7a	EMXPlus EPR Prime time rate: 8:00am - 8:00pm	per hour	33.04	51.38	99.12
S-7b	EMXPlus EPR Non-prime time rate: 8:00pm - 8:00am	per hour	25.70	39.96	77.10
S-8a	VNMRS 600 SB NMR Prime time rate: 8:00am - 8:00pm	per hour	28.71	44.64	86.13
S-8b	VNMRS 600 SB NMR Non-prime time rate: 8:00pm - 8:00am	per hour	22.26	34.61	66.78
S-9a	IPSO 300 SWB NMR Prime time rate: 8:00am - 8:00pm	per hour	40.08	62.32	120.24
S-9b	IPSO 300 SWB NMR Non-prime time rate: 8:00pm - 8:00am	per hour	31.17	48.47	93.51
S-10a	Biolin QCM-D E-Series Prime time rate: 8:00am - 8:00pm	per hour	11.97	18.61	35.91
S-10b	Biolin QCM-D E-Series Non-prime time rate: 8:00pm - 8:00am	per hour	9.29	14.45	27.87
S-11a	IPSO 800 SB NMR Prime time rate: 8:00am - 8:00pm	per hour	39.06	60.74	117.18
S-11b	IPSO 800 SB NMR Non-prime time rate: 8:00pm - 8:00am	per hour	30.38	47.24	91.14
S-12a	Bruker 100MHz WB solid-state NMR spectrometer Prime time rate: 8:00am - 8:00pm	per hour	19.55	30.40	58.65
S-12b	Bruker 100MHz WB solid-state NMR spectrometer Non-prime time rate: 8:00pm - 8:00am	per hour	15.18	23.60	45.54
X-1	Commercial X-ray Diffractometer	per hour	53.00	82.42	159.00
X-2	Specialty X-ray Diffractometer	per hour	39.75	61.81	119.25
X-3	Nikon Optophot Upright Microscope	per hour	27.13	42.19	81.39
E-1	Energy Research Facility Access Fee	per day	10.50	16.33	31.50
	Associate Project Scientist (Polymer)	per hour	144.15	224.15	432.45
	Project Scientist (TEMPO)	per hour	166.00	258.13	498.00
	Laboratory Assistant 3 (TEMPO/Polymer)	per hour	71.20	110.72	213.60
	Project Scientist (NMR)	per hour	214.17	333.03	642.51
	R&D Engineer (NMR)	per hour	85.86	133.51	257.58
	Laboratory Assistant 3 (NMR)	per hour	68.87	107.09	206.61
	Professional Researcher (X-ray)	per hour	267.81	416.44	803.43
	R&D Engineer (X-ray)	per hour	129.77	201.79	389.31
	Associate Specialist (X-ray)	per hour	121.70	189.24	365.10
	Student Lab Assistant	per hour	40.75	63.37	122.25

**Other Fees:**

- \$100 Training fee for each external user attending training classes (for profit institutions)
- Individual training will be billed at the off-campus hourly rate of the trainer.