

## Facilities Costs 2019

refinement, it is expected that they will be co-authors on any publication arising from the experiment.

**Group Cap** for University of Sydney researchers on instrument time only: **\$5,000 per calendar year** for research groups with up to 5 members, plus \$200 per additional group member.

<b>Sydney Analytical</b>		
<b>Instrument type</b>	<b>University of Sydney</b>	<b>External University Users &amp; Publicly Funded Research Organisations<sup>1</sup></b>
Vibrational Spectroscopy instruments	\$ 50 / hour	\$ 130 / hour
Portable instruments: Vibrational spectroscopy and XRF	\$ 25 / hour \$ 200 / day \$ 1000 / week	\$ 260 / day
Powder diffractometers (F09, F11)	\$ 25 / hour <sup>2</sup>	\$ 65 / hour
Powder diffractometer @ ATP	\$ 15 / hour <sup>3</sup>	\$ 40 / hour
XRF	\$ 25 / hour <sup>2</sup>	\$ 65 / hour
SAXS	\$ 50 / hour <sup>2-4</sup>	\$ 130 / hour
SAXS (SAXSess point source)	\$ 25 / hour <sup>2-4</sup>	\$ 65 / hour
XPS/UPS	\$ 50 / hour	\$ 130 / hour
EPR	\$ 25 / hour	\$ 65 / hour
SCXRD (Supernova) <sup>5</sup>	\$ 8 / hour	\$ 16 / hour
SCXRD (FR591) <sup>5</sup>	\$ 10 / hour	\$ 20 / hour
SCXRD (MicroMax007) <sup>5</sup>	\$ 4 / hour	\$ 16 / hour
Computers for data analysis and modelling	\$ 10 / hour	\$ 10 / hour
Drug Discovery	Contact Sydney Analytical for a quote	Contact Sydney Analytical for a quote

<sup>1</sup>High-usage subscriptions for external clients are available on application.

<sup>2</sup>Special rates apply to Chemistry users due to partial funding of the facility, please enquire.

<sup>3</sup>Special rates apply to SOLES users, please enquire.

<sup>4</sup>If facility staff are used for SAXS analysis the costs will be: routine (up to 4 hr): \$300 max; Medium (up to 8 hr): \$560 max; Complex (up to 16 hr) \$960. These charges do not contribute to the cap.

<sup>5</sup> If facility staff have been involved in data processing, structure solution or

### Training and Staff assistance

Instrument training	\$50 per person per instrument		up to a cap of \$300 per group
Staff assistance	Other facilities	\$100 / hour	not contributing to or limited by the cap
	Drug Discovery	\$50 / hour	

**Extended bookings:** Booked sessions of longer than 8 hours will have subsequent hours charged at 25% of the standard rate, except for SCXRD, which is charged at 50% of the standard rate.

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<b>Research and Prototype Foundry</b>	
<b>Tool</b>	<b>Cost</b>
Dicing Saw ADT	\$15 per hour
Die Bonder Fine Tech Lambda	
Ellipsometer JA Woollam M2000	
Lamp Annealer ULVAC MILA 5000	
Microscope Nikon Eclipse LV100ND	
O2 Plasma Asher Glow	
O2 Plasma Asher South Bay RIE3000	
PDMS Process Tools	
Probe Station PM 5	
Spin Dryer Delta 15	
Sputterer DC Emitech K550	
Stylus Profilometer DekTak XT	\$45 per hour
3D Microscope Leica DCM8	
AFM Bruker Icon	
ALD Picosun R200	
E-Beam Evaporator AJA	
ICP RIE Oxford Plasmalab 100	
Laser Writer Heidelberg DWL 66+	
Maskless Aligner Heidelberg MLA100	
Rite Track SVG88	
Sputterer DC/RF AJA	\$60 per hour
Wet Benches	
EBL Elionix ELS-F125	

FIB-SEM Zeiss Crossbeam 550XL	
Helium Ion Beam Microscope Zeiss	
i-line Stepper ASML PAS 5500/100	
Staff assistance	\$50 per hour

### Sydney Microscopy and Microanalysis

Service (Internal Users)	Cost	
Up to 8 consecutive hours per session per instrument	\$45 per hour	
Each consecutive hour over 8 hours per session per instrument	\$10 per hour	
Specimen preparation and image analysis equipment	\$2 per hour	
Individual user cap <i>Not included in the cap:</i> \$280 one-off training fee for new users \$200 per hour for technical staff instrument operation 3View Serial Block Face scanning Electron microscope usage	\$1600 per calendar year	
Service (External Users)	Cost	
Registration and training fee per new user	\$280	
Publicly funded research organisations Instrument per hour (up to 8 hours)* Technical staff per hour	\$140 \$200	
Commercial Instrument per hour (up to 8 hours)* Technical staff per hour	\$350 \$200	
*After 8 hours the hourly rate drops to 25% of the listed rate for the remainder of the session		
3View serial block face scanning electron microscope		
User category	Staff assisted sample preparation	Staff assisted set-up and imaging*
Internal users	\$500	\$500
Publicly funded research organisations	\$550 (+GST)	\$900 (+GST)
Commercial	\$550 (+GST)	\$1800 (+GST)
* 1 hour sample set-up included. Extra charges may apply for complex samples and long scans times		

### Facilities Costs 2019

#### Sydney Informatics Hub

Service	Cost
6 month subscription to CLC Genomics Workbench and CLC Server	\$750
12 month subscription to CLC Genomics Workbench and CLC Server	\$1500
Ingenuity Pathways Analysis software	Free for users
Next-generation sequencing analysis	Merit based - Request access at: <a href="https://informatics.sydney.edu.au/help/">https://informatics.sydney.edu.au/help/</a>
Artemis Performance Computing cluster	Free for users – request assistance at: <a href="https://informatics.sydney.edu.au/help/">https://informatics.sydney.edu.au/help/</a>
Argus Research Virtual Desktop	
Research Data Consulting Team	
Data Science and Statistics Consulting Team	Merit based – please contact SIH

#### Sydney Mass Spectrometry

Category	Cost (internal user)	Cost (external academic user)
MS Operator Registration	\$500 per person	\$500 per person
LCMS and MSI	\$10 per hour	\$20 per hour
Peptide Mass Fingerprinting	\$70 per sample	\$105 per sample
Plasma Targeted metabolomics	\$70 per sample	\$105 per sample
1D LCSM (protein ID, intact mass etc)	\$105 per sample	\$158 per sample
Quantitative Proteomics	\$750 per sample	\$1125 per sample
MS Imaging (Lipid/Peptide)	\$500/\$750 per slide (up to 10hrs instrument time)	\$750/\$1125 per slide (up to 10hrs instrument time)
LCMS and MSI	<b>Commercial users</b> from \$45 per hour	

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<b>Sydney Cytometry</b>			
<b>Equipment</b>	<b>Cost (unassisted) per hour rates</b>	<b>Cost (operator assisted) per hour rates</b>	<b>Notes</b>
Cell sorter: basic (2 lasers)	\$36	\$80	<i>FACSJazz, New User-Operated Sorter</i>
Cell sorted: advanced	\$54	\$95	<i>FACSAria IIu, Influx</i>
Sort set up	\$48		<i>"flag-fall" each session</i>
Cytometers: basic (<4 lasers)	\$36	\$80	<i>FACSCantoll, FACSVerse</i>
Cytometers: advanced (>4 lasers)	\$54	\$95	<i>LSRFortressa, LSRFortressa X-20, LSR II 5L, LSR X</i>
Image Cytometer: plates	\$35	\$80	<i>BD Pathway (and replacement) 50% rebate after first 8 hours continuous</i>
Image Cytometer: ImageStream	\$50	\$95	<i>Imagestream XmkII</i>
Mass Cytometer - Suspension	\$60	\$100	
Mass Cytometer - Imaging	\$60	\$100	
Additional operator assistance		\$50	
AutoMACS Pro	\$30	\$80	
Analysis Computers	\$4	\$54	
Operator assistance		\$50	
Group Training (per person, per hour)		\$30	
Individual training		\$50	
<i>Software maintenance fees (including FlowJo, Imaris, Volocity) will be charged on a usage basis</i>			

<i>Used vs booked time reconciliation will be applied to all instruments (ie user will be charged the longer of the two (unless someone else uses some of the time))</i>
<i>A charge of 50% of usage rate will be applied to late cancellation of bookings (where the slot has not been used by someone else)</i>
<i>Cut off time will initially be set at 12 hours</i>
<i>External Academic rates = 2x Base Internal Rate</i>
<i>External Commercial Rate = 3x Base Internal Rate</i>

<b>Sydney Imaging</b>	
<b>Preclinical</b>	
<b>Service</b>	<b>Cost</b>
3T MRI	\$150 per hour + \$300 induction training (2 hours) per person, any additional training will incur a \$50 per hour technical assistance fee per staff
7T MRI	\$150 per hour + \$300 induction training (2 hours) per person, any additional training will incur a \$50 per hour technical assistance fee per staff
IVIS Spectrum	\$50 per hour + \$100 per person induction training (2 hours), any additional training will incur a \$50 per hour technical assistance fee
VisualSonics Ultrasound (Vevo2100 + VevoLAZR, Vevo3100)	\$50 per hour + \$100 per person induction training (2 hours), any additional training will incur a \$50 per hour technical assistance fee
microCT	\$50 per hour \$100 per person induction training (2 hours), any additional training will incur a \$50 per hour technical assistance fee
echoMRI	\$20 per hour + \$20 per person induction training (1 hour), any additional training will incur a \$50 per hour technical assistance fee
PET MR	\$150 per hour plus tracer consumables + \$300 induction training (2 hours) per person, any additional training will incur a \$50 per hour technical assistance fee per staff
Dual-Energy X-ray Absorptiometry (DXA)	\$40 per hour + \$20 per person induction training (1 hour), any additional training will incur a \$50 per hour technical assistance fee
Computer Analysis Computer/VRD	\$2 per hour
	<b>Note:</b> all prices are charged in 30 minute blocks
<b>Hybrid Theatre</b>	
Please contact us for a bespoke quote for Hybrid Theatre projects.	