RESEARCH AND PROTOTYPE FOUNDRY

2022 MEMBERSHIP

Research & Prototype Foundry is offering memberships to our University of Sydney users – payment of an upfront fee will provide greatly reduced access fees for all tools for 2022. This should be attractive to researchers who plan to make substantial use of RPF.

<table>
<thead>
<tr>
<th></th>
<th>Upfront fee</th>
<th>Equipment group 1</th>
<th>Equipment group 2</th>
<th>Equipment group 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current fees</td>
<td>-</td>
<td>$15 per hour</td>
<td>$45 per hour</td>
<td>$60 per hour</td>
</tr>
<tr>
<td>Membership rates</td>
<td>$2,000</td>
<td>$5 per hour</td>
<td>$15 per hour</td>
<td>$20 per hour</td>
</tr>
</tbody>
</table>

Conditions:
- Membership is for individual users
- Membership must be claimed before first use in 2022; the upfront fee will be billed in your first quarter invoice
- The reduced rates will be applied to all equipment use during 2022
- Prototyping tools are currently available at a special introductory price and aren’t included in the membership rates
- Fees for training ($50 per hour) and staff assistance ($100 per hour) are not reduced and will remain at their current rates

Equipment Group 1:
- Coater Brewer Science CB-200
- Dicing Saw ADT
- Die Bonder Fine Tech Lambda
- Dry Film Laminator Fortex FL-0305-01
- Ellipsometer JA Woollam M2000
- Fibre Draw Tower
- Lamp Annealer ULVAC MILA 5000
- Microscope Nikon Eclipse LV100ND
- O2 Plasma Asher Glow
- Parametric Analyser & Nano Probe
- PDMS Process Tools
- Probe Station Suss PM 5
- Reactive Ion Etcher South Bay RIE3000
- Spin Dryer Delta 15
- Sputter Coater DC Emitech K550
- Stylus Profilometer DekTak XT
- Wire Bonder TPT HB 100

Equipment Group 2:
- 3D Microscope Leica DCM8
- Atomic Force Microscope Bruker Icon
- Atomic Layer Deposition Picosun R200
- E-Beam Thermal Evaporator AJA ATC-1800-E
- ICP RIE Oxford Plasmalab 100
- Laser Writer Heidelberg DWL 66+ Mask Aligner EVG 610
- Maskless Aligner Heidelberg MLA100
- Rite Track SVG88
- Sputterer AJA ATC-2000-UHV
- Wet Benches
- 3D Nano printer (Nanoscribe GT2)

Equipment Group 3:
- FIB-SEM Zeiss Crossbeam 550XL
- EBL Elionix ELS-F125
- NanoFab Helium Ion Beam Zeiss i-line Stepper ASML PAS 5500/100

Prototyping tools: 3D Printers, Laser Cutter, Sonos plotter $5 per hour *(minimum booking of 1 hour)*

Training: $50 per hour; Staff Assistance: $100 per hour
## RESEARCH & PROTOTYPE FOUNDRY
### ACCESS FEES PER HOUR

<table>
<thead>
<tr>
<th>User type</th>
<th>Equipment group</th>
<th>Training</th>
<th>Staff Assistance</th>
<th>Prototyping</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Sydney / ANFF supported tools 1</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>Prototyping 2</td>
</tr>
<tr>
<td></td>
<td>$15</td>
<td>$45</td>
<td>$60</td>
<td>$5</td>
</tr>
<tr>
<td>Australian University (non-ANFF tools) 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$30</td>
<td>$90</td>
<td>$120</td>
<td>$10</td>
</tr>
<tr>
<td>Australian Publicly Funded Research Agency</td>
<td>$45</td>
<td>$135</td>
<td>$180</td>
<td>$15</td>
</tr>
<tr>
<td>Industry / Overseas</td>
<td>$60</td>
<td>$180</td>
<td>$240</td>
<td>$20</td>
</tr>
</tbody>
</table>

1 Hourly rate applies to both University of Sydney users and other Australian university academics on ANFF supported tools

2 Special introductory pricing for new capability; minimum booking time of 1 hour applies to Prototyping tools

3 Includes work done on behalf of the user and user assistance

4 Most non-ANFF supported tools are available at ANFF subsidised rates to Australian University users 20% of the time

Note: Precious metals and some other consumables are charged at cost to users

### Equipment Group 1
- Coater Brewer Science CB-200
- Dicing Saw ADT
- Die Bonder Fine Tech Lambda
- Dry Film Laminator Fortex FL-0305-01
- Ellipsometer JA Woolam M2000
- Fibre Draw Tower
- Lamp Annealer ULVAC MILA 5000
- Microscope Nikon Eclipse LV100ND
- O2 Plasma Asher Glow
- Parametric Analyser & Nano Probe
- PDMS Process Tools
- Probe Station Suss PM 5
- Reactive Ion Etcher South Bay RIE3000
- Spin Dryer Delta 15
- Sputter Coater DC Emitech K550
- Stylus Profilometer DekTak XT
- Wire Bonder TPT HB 100

### Equipment Group 2
- 3D Microscope Leica DCM8
- Atomic Force Microscope Bruker Icon
- Atomic Layer Deposition Picosun R200
- E-Beam Thermal Evaporator AJA ATC-1800-E
- ICP RIE Oxford Plasmalab 100
- Laser Writer Heidelberg DWL 66+
- Mask Aligner EVG 610
- Maskless Aligner Heidelberg MLA100
- Rite Track SVG88
- Sputterer AJA ATC-2000-UHV
- Wet Benches

### Equipment Group 3
- EBL Elionix ELS-F125
- NanoFab Helium Ion Beam Zeiss
- i-line Stepper ASML PAS 5500/100

### Prototyping tools
- 3D Printer: Filament Creator Pro
- 3D Printer: Filament Funmat HT
- 3D Printer: Resin Formlabs
- Laser Cutter

* ANFF supported tools

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Prices and tool categories are subject to change without notice.
# RESEARCH & PROTOTYPE FOUNDRY
## PHOTOMASK PRICING

### University of Sydney & ANFF Academic rate

<table>
<thead>
<tr>
<th>Mask blank</th>
<th>Size</th>
<th>Resolution</th>
<th>Standard write area</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soda lime</td>
<td>4” by 0.06”</td>
<td>Standard</td>
<td>75mm by 75mm</td>
<td>$315.00</td>
</tr>
<tr>
<td>Soda lime</td>
<td>5” by 0.09”</td>
<td>Standard</td>
<td>100mm by 100mm</td>
<td>$381.00</td>
</tr>
<tr>
<td>Soda lime</td>
<td>6” by 0.09”</td>
<td>Standard</td>
<td>125mm by 125mm</td>
<td>$480.00</td>
</tr>
<tr>
<td>Soda lime</td>
<td>7” by 0.12”</td>
<td>Standard</td>
<td>150mm by 150mm</td>
<td>$772.00</td>
</tr>
<tr>
<td>Quartz</td>
<td>5” by 0.09”</td>
<td>Standard</td>
<td>100mm by 100mm</td>
<td>$581.00</td>
</tr>
</tbody>
</table>

### Non-Academic & Industry rate

<table>
<thead>
<tr>
<th>Mask blank</th>
<th>Size</th>
<th>Resolution</th>
<th>Standard write area</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soda lime</td>
<td>4” by 0.06”</td>
<td>Standard</td>
<td>75mm by 75mm</td>
<td>$476.00</td>
</tr>
<tr>
<td>Soda lime</td>
<td>5” by 0.09”</td>
<td>Standard</td>
<td>100mm by 100mm</td>
<td>$575.00</td>
</tr>
<tr>
<td>Soda lime</td>
<td>6” by 0.09”</td>
<td>Standard</td>
<td>125mm by 125mm</td>
<td>$716.00</td>
</tr>
<tr>
<td>Soda lime</td>
<td>7” by 0.12”</td>
<td>Standard</td>
<td>150mm by 150mm</td>
<td>$1,009.00</td>
</tr>
<tr>
<td>Quartz</td>
<td>5” by 0.09”</td>
<td>Standard</td>
<td>100mm by 100mm</td>
<td>$775.00</td>
</tr>
</tbody>
</table>

- Quoted prices do not include GST, delivery and handling costs
- All prices are based on standard lead time of 10 working days; additional labour charges apply for faster turnaround
- Low reflective chrome is the default chrome type
- Quoted quartz is standard low reflective chrome; quartz is available in other sizes and with high reflective chrome where applicable – please contact us for details & pricing
- High- and ultra-high resolution is available for critical dimension below 2um – please contact us for details & pricing
- All designs must meet our design guidelines to qualify for standard pricing – additional design charges based on staff labour rates may be incurred if this is not the case
- Prices are subject to change
## Instrument rates

### Vibrational spectroscopy
- Infrared and Raman spectrometers: $130 / hour
- Portable spectrometers: $65 / hour

### X-ray spectroscopy
- X-ray or ultraviolet photoelectron spectroscopy (XPS/UPS): $130 / hour
- Portable fluorescence: $65 / hour
- Portable XRF and Artax: $65 / day

### Magnetic Resonance
- NMR 200 - 500 MHz: $10 / hour
- NMR 600 MHz: $20 / hour
- NMR 800 MHz: $30 / hour
- Electron paramagnetic resonance: $65 / hour

### X-ray diffraction
- Powder diffractometers, including controlled environment accessories: $65 / hour
- Single Crystal X-ray Diffraction (SXRCD): $26 / hour

### X-ray and light scattering
- Small- and wide-angle X-ray scattering (SAXS/WAXS): $130 / hour
- Malvern Nanosight or Zetasizer: $26 / hour

### Drug Discovery
- AKTA Purifier: $80 / hour
- General equipment charge: $16 / hour

### Thermal analysis
- Phoenix DSC or Jupiter STA: $50 / hour

## Training & Services

### Training
- Training in operation of equipment & data analysis for vibrational spectroscopy and X-ray techniques: $130 per person per instrument
- Drug Discovery technique training: $80/hour. Training for small groups can be integrated into projects for a 20% surcharge.

We also periodically run courses covering technique basics, sample preparation and data analysis.

### Vibrational spectroscopy, X-ray techniques & Magnetic Resonance
- Staff assistance, including sample preparation and data analysis: $100/hour (short periods of assistance are not charged)

### Drug Discovery
- Protein production & characterisation, protein NMR, metabolomics NMR and SPR services: Contact us for a quote
- Primary fragment-based drug screen and validation: $15,000
- Cyclic peptide ligand screen: $6,000

### Sample preparation
- Hard material cutting and polishing: Contact us for a quote
- Rock thin sections: Contact us for price list

### Staff acknowledgement
- If facility staff have been involved in data analysis, structure solution or refinement, it is expected that they will be co-authors on any publication arising from the experiment.

### Arrangements for collaborators
- External academics who are joint Chief Investigators on Category 1 grants are offered internal rates for work funded by the grant, but do not qualify for the group fee cap.
- Joint Chief Investigators on LIEF grants (or similar equipment grants) are offered the same arrangement for work using the equipment covered by the LIEF grant for a period of up to three years.

### Volume discounts
- Sydney Analytical offers generous discounts for large volumes of work:
  - 33% discount on instrument usage beyond 50 hours
  - 50% discount on instrument usage beyond 350 hours

### Notes
- Long-term rates for portable instruments: $440/day; $2000/week
- Extended bookings of longer than 8 hours will have subsequent hours charged at 25% of the standard rate

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February 2021
Sydney Analytical

Standard rates for users from the University of Sydney

Instrument rates (eligible for cap)

**Vibrational spectroscopy**

- Infrared and Raman spectrometers: $50 / hour
- Portable spectrometers: $25 / hour

**X-ray spectroscopy**

- X-ray or ultraviolet photoelectron spectroscopy (XPS/UPS): $50 / hour
- X-ray fluorescence and Artax: $25 / hour

**Magnetic Resonance**

- NMR 200 - 500 MHz: $5 / hour
- NMR 600 MHz: $10 / hour
- NMR 800 MHz: $15 / hour
- Electron paramagnetic resonance: $25 / hour

**X-ray diffraction**

- Single crystal X-ray diffractometers: $10 / hour
- Powder diffractometers: $25 / hour

**X-ray and light scattering**

- Small- and wide-angle X-ray scattering: $50 / hour
- Malvern Nanosight or Zetasizer: $10 / hour

**Drug discovery**

- AKTA Purifier: $50 / day
- General equipment charge: $10 / hour

**Thermal analysis**

- Phoenix DSC or Jupiter STA: $25 / hour

Notes:

- Special rates apply to users from the School of Chemistry.
- Special rates apply to users from the School of Life and Environmental Sciences.
- Long-term rates for portable instruments: $200/day; $1000/week
- Extended bookings of longer than 8 hours will have subsequent hours charged at 25% of the standard rate

User Access Scheme

Grants of up to $5000 of instrument time are available on a competitive basis to University of Sydney users without alternate sources of funding. Please enquire for details.

https://sydney.edu.au/research/facilities/user-access-scheme.html

Staff acknowledgement

If facility staff have been involved in data analysis, structure solution or refinement, it is expected that they will be co-authors on any publication arising from the experiment.

Research Group Caps for instrument time: $5,000 per calendar year

for research groups with up to 5 members. The caps increase by $250 per additional group member. Conditions apply (see notes)

- Cap #1: $5,000 Covers all Sydney Analytical equipment except Magnetic Resonance
- Cap #2: $5,000 Magnetic Resonance spectrometers only

Training & Services

**Training**

- Training in operation of equipment & data analysis for vibrational spectroscopy, X-ray techniques and magnetic resonance: $50 per person per instrument, up to a training cap of $400 per group
- Drug Discovery technique training: $50/hour. Training for small groups can be integrated into projects for a 20% surcharge.

We also periodically run courses covering technique basics, sample preparation and data analysis.

**Vibrational spectroscopy, X-ray techniques & Magnetic Resonance**

- Staff assistance, including sample preparation and data analysis: $100/hour (short periods of assistance are not charged)
- Drug Discovery
  - Protein production & characterisation, protein NMR, metabolomics NMR and SPR services: Contact us for a quote
  - Primary fragment-based drug screen and validation: $15,000
  - Cyclic peptide ligand screen: $3,000

**Sample preparation**

- Hard material cutting and polishing: Contact us for a quote
- Rock thin section: Contact us for price list

Notes on the Group Cap for instrument time:

- Charges for consumables and staff time are not capped and do not contribute to the cap.
- Application of the cap is contingent on approval from the Academic Director. Please contact Sydney Analytical and arrange a meeting with the Academic Director to discuss outcomes from the access that has been provided to date.
- The group size includes all research staff, students (HDR and Honours) and long-term visitors under the supervision of the named academic, averaged over the calendar year, regardless of whether they are using Sydney Analytical Facilities.
- Where grants are shared, then the charges can be contributed equally between the CIs on request.
- Free instrument time provided via the User Access Scheme does not contribute to this cap.

Contact us for further information:

Email | sydney.analytical@sydney.edu.au
Phone | +61 2 8627 6903
Web | sydney.edu.au/sydney-analytical

February 2021
# Sydney Cytometry 2022 (internal users)

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Cost/hour (unassisted)</th>
<th>Cost/hour (operator assisted)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell sorter: basic (2 lasers)</td>
<td>$36</td>
<td>$80</td>
<td>FACSJazz</td>
</tr>
<tr>
<td>Cell sorted: advanced</td>
<td>$54</td>
<td>$95</td>
<td>FACS Aria II, Influx,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FACS Melody</td>
</tr>
<tr>
<td>Sort set up</td>
<td>$48</td>
<td></td>
<td>“flag-fall” each session</td>
</tr>
<tr>
<td>Cytometers: basic (&lt;4 lasers)</td>
<td>$36</td>
<td>$80</td>
<td>FACSCantoll, FACSVerse,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aurora (3 laser)</td>
</tr>
<tr>
<td>Cytometers: advanced (&gt;4 lasers)</td>
<td>$54</td>
<td>$95</td>
<td>LSR Fortessa, LSR Fortessa X-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20, LSR II 5L, LSR X, Aurora</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(5 laser)</td>
</tr>
<tr>
<td>Image Cytometer: plates</td>
<td>$35</td>
<td>$80</td>
<td>PE Opera Phenix. Rebates</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>apply after first 6 hours of</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>continuous use</td>
</tr>
<tr>
<td>Image Cytometer: ImageStream</td>
<td>$50</td>
<td>$95</td>
<td>ImageStream XmkII</td>
</tr>
<tr>
<td>Mass Cytometer - Suspension</td>
<td>$60</td>
<td>$100</td>
<td></td>
</tr>
<tr>
<td>Mass Cytometer - Imaging</td>
<td>$60</td>
<td>$100</td>
<td></td>
</tr>
<tr>
<td>Additional operator assistance</td>
<td></td>
<td>$50</td>
<td></td>
</tr>
<tr>
<td>AutoMACS Pro</td>
<td>$30</td>
<td>$80</td>
<td></td>
</tr>
<tr>
<td>Analysis Computers</td>
<td>$4</td>
<td>$54</td>
<td></td>
</tr>
<tr>
<td>Group Training (per person, per hour)</td>
<td>$30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Individual training</td>
<td></td>
<td>$50</td>
<td></td>
</tr>
</tbody>
</table>

Software maintenance fees (including FlowJo, Imaris, Volocity) will be charged on a usage basis.

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).

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). Cut off time will be set at 12 hours.

*External Academic rates = 2x Base Internal Rate*

*External Commercial Rate = 3x Base Internal Rate*
<table>
<thead>
<tr>
<th>Service</th>
<th>Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>3T MRI</td>
<td>$300 pp registration fee, then $200 per hour**#</td>
</tr>
<tr>
<td>7T MRI</td>
<td>$300 pp registration fee, then $200 per hour**#</td>
</tr>
<tr>
<td>3T PET/MRI</td>
<td>$300 pp registration fee, then $200 per hour**#</td>
</tr>
<tr>
<td>IVIS Spectrum</td>
<td>$100 pp registration fee, then $50 per hour</td>
</tr>
<tr>
<td></td>
<td>$50 per hour technical assistance fee</td>
</tr>
<tr>
<td>VisualSonics Ultrasound and Photoacoustic</td>
<td>$100 pp registration fee, then $50 per hour</td>
</tr>
<tr>
<td>(Vevo2100 + VevoLAZR, Vevo3100 + LAZR-X)</td>
<td>$50 per hour technical assistance fee</td>
</tr>
<tr>
<td>3D microCT</td>
<td>$100 pp registration fee, then $50 per hour</td>
</tr>
<tr>
<td></td>
<td>$50 per hour technical assistance fee</td>
</tr>
<tr>
<td>echoMRI</td>
<td>$20 pp registration fee, then $20 per hour</td>
</tr>
<tr>
<td></td>
<td>$50 per hour technical assistance fee</td>
</tr>
<tr>
<td>Dual-Energy X-ray Absorptiometry (DXA)</td>
<td>$40 pp registration fee, then $40 per hour</td>
</tr>
<tr>
<td></td>
<td>$50 per hour technical assistance fee</td>
</tr>
<tr>
<td>Computer Analysis Computer/VRD</td>
<td>$2 per hour</td>
</tr>
</tbody>
</table>

** Note: costs will be calculated based on 30-minute blocks (e.g. 20 min of usage will be charged as 30 min).**

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# Includes technical staff support

# Tracer and/or contrast consumables are an additional cost

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**HYBRID THEATRE**

Please contact us for a bespoke quote for Hybrid Theatre projects.
# Sydney Informatics Hub Rate Sheet - 2022

## SIH Research Support Service

<table>
<thead>
<tr>
<th>Project support (2 days to 12 weeks)**</th>
<th>Internal (i.e. Payable by journal transfer only)</th>
<th>Other Universities &amp; Publicly Funded Research Organisations (excluding GST)</th>
<th>SKH (excluding GST)</th>
<th>Commercial</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$3,150/week*</td>
<td>$5,600/week*</td>
<td>$5,600/week*</td>
<td>Contact SIH for a customised quote</td>
<td>Formal scoping by SIH required. Request assistance: Request support</td>
</tr>
<tr>
<td>Project Management Overheads (for above projects)</td>
<td>$315/week* (in-kind)</td>
<td>$560/week*</td>
<td>$560/week*</td>
<td>Included in customised quote</td>
<td></td>
</tr>
<tr>
<td>Project Support Total</td>
<td>$3,150/week*</td>
<td>$6,160/week*</td>
<td>$6,160/week*</td>
<td>Customised quote</td>
<td></td>
</tr>
<tr>
<td>Short project support (up to 2 days/project)</td>
<td>Dependent on staff availability – no charge</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Request assistance: Request support</td>
</tr>
<tr>
<td>SIH Project Scheme: (Up to 12 weeks* in kind support per scheme - awarded on merit)</td>
<td>Value: $3465/week* (in-kind)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Awarded on merit. Limited number of projects. For application eligibility and details see: SIH Schemes</td>
</tr>
<tr>
<td>Statistical consulting: 1 hour consult</td>
<td>Free to Researchers and Research students</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Request assistance: Request support</td>
</tr>
<tr>
<td>Research Data Consulting support</td>
<td>Free to Researchers and Research students</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Request assistance at: <a href="mailto:digital.research@sydney.edu.au">digital.research@sydney.edu.au</a></td>
</tr>
<tr>
<td>Scheduled Training Courses / Workshops</td>
<td>Free to Researchers and Research students Bookings required Numbers limited</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>See: Workshops and Training</td>
</tr>
<tr>
<td>Custom training courses / workshops</td>
<td>Dependent on staff availability – see rates below</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## SIH University of Sydney Custom Workshop Internal Rates

<table>
<thead>
<tr>
<th>Workshop Length (days)</th>
<th>Number of SIH Instructors</th>
<th>Number of Attendees</th>
<th>Internal (Payable by journal transfer only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>½</td>
<td>1</td>
<td>10 or less</td>
<td>$700</td>
</tr>
<tr>
<td>½</td>
<td>2</td>
<td>11 to 20</td>
<td>$1,150</td>
</tr>
<tr>
<td>⅔</td>
<td>3</td>
<td>21 to 30</td>
<td>$1,500</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>10 or less</td>
<td>$1,400</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>11 to 20</td>
<td>$2,300</td>
</tr>
<tr>
<td>⅔</td>
<td>3</td>
<td>21 to 30</td>
<td>$3,000</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>10 or less</td>
<td>$2,800</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>11 to 20</td>
<td>$4,600</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>21 to 30</td>
<td>$6,000</td>
</tr>
</tbody>
</table>

**Other Universities and Publicly Funded Research Organisations rates:** 2 x Internal rates (plus GST)

**Commercial rates:** 3 x Internal rates (plus GST)

*week is equivalent to 35 hours of SIH research support services

**Longer engagements by arrangement only. Further fees will apply.

"In-kind" (i.e. no charge to researcher) indicates ‘value only’ of services.

#Grant applications: This pricing is provided as a guide for preparation of grant applications where the SIH support level required for your project is well understood. For assistance with scoping and quotes for SIH support services for your grant application please contact SIH no less than 2 weeks prior to the grant application closure date at: sih.info@sydney.edu.au

**Note:** These rates will apply for Sydney Informatics Hub quotes starting from 22nd November 2021 (with the support services quoted generally expected to be delivered in 2022).
# Sydney Manufacturing Hub – Rates 2022

Please contact smh.info@sydney.edu.au to discuss your project

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Cost (Internal Users)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GROUP 1 EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td>Furnaces</td>
<td></td>
</tr>
<tr>
<td>Salt baths</td>
<td></td>
</tr>
<tr>
<td>Oil baths</td>
<td></td>
</tr>
<tr>
<td>Extruders (Polymers lab)</td>
<td></td>
</tr>
<tr>
<td>Vickers Hardness Tester</td>
<td></td>
</tr>
<tr>
<td>WASP paste printer</td>
<td>$10/hour</td>
</tr>
<tr>
<td>Pre &amp; Post Fabrication Equipment</td>
<td></td>
</tr>
<tr>
<td>High End Desktop machines</td>
<td></td>
</tr>
<tr>
<td>Powder Characterisation Equipment – PowderFlow (CarneyFlow), GranuDrum</td>
<td></td>
</tr>
<tr>
<td>Grinder (specimen preparation)</td>
<td></td>
</tr>
<tr>
<td>3D Polymer Printers (FFF printers)</td>
<td></td>
</tr>
<tr>
<td><strong>GROUP 2 EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td>3D Metal Printers- Mlab, M2, A2X &amp; SpectraH</td>
<td></td>
</tr>
<tr>
<td>3D Ceramic Printer – CeraFab 7500</td>
<td>*The base rate for heat treatment of ceramic parts will be capped at $200</td>
</tr>
<tr>
<td>Nanoindentation System</td>
<td>$40/hour</td>
</tr>
<tr>
<td>Induction Casting Unit</td>
<td></td>
</tr>
<tr>
<td>3D Confocal Microscope</td>
<td></td>
</tr>
<tr>
<td>EDM</td>
<td></td>
</tr>
</tbody>
</table>

**Additional cost**

<table>
<thead>
<tr>
<th>Technical Staff Assistance</th>
<th>$100/hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumables – Metal powders, ceramic slurry, polymer resins and filaments will be charged to the researcher per weight/volume used</td>
<td>Quotation Required- Contact Facility</td>
</tr>
</tbody>
</table>

**TRAINING**

| Training fee for Group 1 Equipment | $50 |
| Training fee for Group 2 Equipment | $200 |

**USER CAPS**

<table>
<thead>
<tr>
<th>Individual user cap (applicable for internal staff only)</th>
<th>$1600/calendar year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not included in the cap: Staff time, Consumables &amp; Training</td>
<td></td>
</tr>
<tr>
<td><strong>External Academic rates:</strong></td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td></td>
</tr>
<tr>
<td>2x Base Internal Rate for Equipment</td>
<td></td>
</tr>
<tr>
<td>$100 an hour for staff time</td>
<td></td>
</tr>
<tr>
<td>Consumables at cost</td>
<td></td>
</tr>
<tr>
<td>$50 Training fee for Group 1 Equipment</td>
<td></td>
</tr>
<tr>
<td>$200 training fee for Group 2 Equipment</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>External Commercial Rate:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x Base Internal rate for equipment <em>(This is valid for all equipment except for the 3D Ceramic Printer – CeraFab7500 for which the commercial rate is $350/hour)</em></td>
</tr>
<tr>
<td>$200 an hour for staff time</td>
</tr>
<tr>
<td>Consumables at cost</td>
</tr>
<tr>
<td>Training Fees- contact facility for quotation</td>
</tr>
</tbody>
</table>
Sydney Mass Spectrometry

The University of Sydney Price List

- Registration (inc. training)
  - 2D Gel Course $300
  - Mass Spectrometry $500

- Bench Fees
  - IEF Cells & large gel tanks $1/hr
  - LC systems from $1/hr
  - LCMS & MS Imaging systems $10/hr

- Consumables
  - ZipTips $250/box
  - ABGene 96 well plates $7.50
  - PCR strips (8 tubes) inc seal $2
  - Indium Tin Oxide Slides $15
  - Vials (box of 100) $110

- Contract Research
  - Sample clean up $35/sample
  - MALDI QTOF Analysis (inc Peptide Mass Fingerprinting, Deuteration and Intact Protein Mass) $80/sample
  - 1D LCMS (protein identification in simple mixtures or intact protein mass) $120/sample
  - Mass Spec Imaging (lipids) $500/slide
  - Mass Spec Imaging (peptides) $750/slide
  - Plasma Targeted Metabolomics $120/sample
  - Quantitative Proteomics $750/sample

- Please contact us for a quote for 2D gel analysis, discovery metabolomics and other services.

Sydney Mass Spectrometry

External (Academic) Price List

- Registration (inc. training)
  - 2D Gel Course $300
  - Mass Spectrometry $500

- Bench Fees
  - IEF Cells & large gel tanks $2/hr
  - LC systems from $2/hr
  - LCMS & MS Imaging systems $25/hr

- Consumables
  - ZipTips $250/box
  - ABGene 96 well plates $7.50
  - PCR strips (8 tubes) inc. seal $2
  - Indium Tin Oxide Slides $15
  - Vials (box of 100) $110

- Contract Research
  - Sample clean up $50/sample
  - Deuteration Analysis $80/sample
  - MALDI QTOF Analysis (inc Peptide Mass Fingerprinting and Intact Protein Mass) $120/sample
  - 1D LCMS (protein identification in simple mixtures or intact protein mass) $180/sample
  - Plasma Targeted Metabolomics $180/sample
  - Mass Spec Imaging (lipids) $750/slide
  - Mass Spec Imaging (peptides) $1125/slide
  - Quantitative Proteomics $1125/sample

- Please contact us for a quote for 2D gel analysis, discovery metabolomics and other services.
- Commercial? Please contact us for quote.
University of Sydney users:

- $50 per hour (up to 8 consecutive hours per session per instrument)
- $12.50 per hour (each consecutive hour over 8 hours per session per instrument)
- $4 per hour for specimen preparation and image analysis equipment

Individual user cap of $1,700 per calendar year*

* Except where an individual has multiple Supervisors in a calendar year

User cap excludes:
- $300 one-off registration fee for new users
- $200 per hour for staff instrument operation
- 3View Serial Block Face Scanning Electron Microscope

External users (excludes GST):

Registration fee of $300 per new user

<table>
<thead>
<tr>
<th>Category</th>
<th>Instruments p/hr 0-8hrs</th>
<th>Staff p/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publicly funded research organisations</td>
<td>$150</td>
<td>$200</td>
</tr>
<tr>
<td>Commercial</td>
<td>$350</td>
<td>$200</td>
</tr>
</tbody>
</table>

After 8 hours the hourly instrument rate drops to 25% of the listed rate for remainder of session