

Risk Assessment Summary Report/Print (landscape)



Reference	2078	Description of Space or Activity/Task or Equipment	Laboratory Space used for scientific equipment construction and sample preparation, including annealing. The space also homes some older equipment which has semis regular use in G78 or other labs in Millburn house.
Assessment Date	01/10/2022	Publish To Portal	No
Assessor Name	Ben Breeze	Title / Location	01.005.L01.062 Millburn House F55 Probe construction area
Assessment Team Members		Review Date	19/10/2023
Role / Space / Project Reference		Current Risk Level (1=Very Low, 2=Low, 3=Moderate, 4=High, 5=Very High)	2
Department	Use the search function above or double click here for org chart -> Academic Faculties -> Faculty of Science, Engineering and Medicine -> Research Technology Platforms - RTPs -> Spectroscopy Research Technology Platform - RTP	Final Risk Level (1=Very Low, 2=Low, 3=Moderate, 4=High, 5=Very High)	2
Location Details	01.005.L01.062 Millburn House F55 Probe construction area	Not in use	0
Risk Assessment Category	Space	Additional Information	Space is known differently on estates help desk (Central Campus-Millburn House-First Floor-Office above G78 - (01.005.L01.062)) and recorded as MF1.16 on the interactive maps. All Lab users must undertake an in person Induction to the lab with the facility manager or other authorised person. This includes Emergency exit Lab rules, waste procedures, additional emergency procedures which need to be followed, All emergency procedures are available in the Safety Folder in the lab. Overnight and loan working is permitted in the Facility for Postgraduates and staff.
Date Record Created	19/10/2022		

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Hazard Type & Hazard Description	Who may be at Risk? & How May Person(s) Be Harmed	Existing Control Measures	L	S	R	Where current risk is M, H or VH, what additional Control Measures are required?	L	S	R
<p>Hand Tools / Powered tools</p> <p>Soldering</p> <p>Generation of dust / fumes (etc).</p> <p>Heat</p>	<p>Contractor</p> <p>Laboratory Worker</p> <p>Staff</p> <p>Student</p> <p>Burns.</p> <p>irritation to lungs.</p>	<p>Eng - Local Exhaust Ventilation (LEV) used (specify).</p> <p>Admin - Appropriate tool for the job.</p> <p>Admin - Hair tied back / no ties or jewellery.</p> <p>Admin - Information, instruction, supervision & training.</p> <p>Admin - Portable Appliance Testing (PAT) conducted as per regime.</p>	Serious	Unlikely	Low		Serious	Unlikely	Low
<p>Electricity</p> <p>Contact with live electrics.</p> <p>Unauthorised access to electrical systems / infrastructure</p> <p>Electrical overload.</p>	<p>Contractor</p> <p>Laboratory Worker</p> <p>Staff</p> <p>Student</p> <p>Electric Shock and/or burns</p>	<p>Eng - Cables and leads are appropriately insulated.</p> <p>Eng - Fixed guarding is in place preventing access.</p> <p>Eng - Electrical equipment is suitably fused and earthed.</p> <p>Admin - All fixed wire electrical installations are tested as per regime.</p> <p>Admin - Information, instruction, supervision & training.</p> <p>Admin - Portable Appliance Testing (PAT) conducted as per regime.</p> <p>Admin - University policy & procedure guidance followed.</p> <p>Admin - Visual checks completed before use.</p>	Major	Unlikely	Low		Major	Unlikely	Low

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<p>Substances Hazardous Chemicals (see COSHH Sheet for all available in lab)</p>	<p>Contractor Laboratory Worker Staff Student</p> <p>hemicals, skin contact Chemicals, inhalation Chemicals, eye hazards Chemicals, other hazards, failure to label samples</p>	<p>Admin - Awareness training provided. Admin - Refer to relevant COSHH Assessment (state). Admin - Safe System of Work (SSoW) established and trained out. Admin - Storage in accordance with substance requirement. Admin - University policy & procedure guidance followed. Admin - Wash facilities close by. PPE - Personal Protective Equipment (PPE) is issued and worn (Gloves and Safety Glasses).</p>	Major	Unlikely	Low		Major	Unlikely	Low
<p>Equipment/Plant Explosion/implosion of cryostat/vacuum system Cuts from Shards of Glass Metal possibly to eyes</p>	<p>Contractor Laboratory Worker Staff Student</p> <p>Cuts from Shards of Glass Metal possibly to eyes</p>	<p>Admin - Only trained, competent operators permitted to use the equipment. Admin - Safe System of Work (SSoW) established and trained out. Eng/Admin - Access is restricted to authorised personnel. Eng/Admin - Emergency stop controls are suitable located and identified. Admin - Controls are suitably located and identified. Admin - Good levels of housekeeping maintained with clean as you go policy in place. Admin - Specific risk assessment/survey completed.</p>	Major	Unlikely	Low		Major	Unlikely	Low
<p>Hand Tools / Powered tools Use of scalpels and needles, Glassware</p>	<p>Contractor Laboratory Worker Staff Student</p> <p>cuts and puncture wounds</p>	<p>Admin - Take care Admin - dispose of sharps and broken glass in the approved receptacles provided. (Kept at entrance to room bottom of stairs but can be moved into the room as required)</p>	Serious	Possible	Low		Serious	Possible	Low

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<p>Equipment/Plant Chilled water system</p>	<p>Contractor Laboratory Worker Staff Student Flooding causing a slip hazard. Flooding may damage equipment</p>	<p>Admin - Inspections conducted in when in use. Admin - Awareness training provided. Admin - Equipment switched off when not in use.</p>	<p>Serious</p>	<p>Possible</p>	<p>Low</p>		<p>Serious</p>	<p>Possible</p>	<p>Low</p>
<p>Hand Tools / Powered tools Heat gun, hot plates, ovens</p>	<p>Contractor Laboratory Worker Staff Student Burns</p>	<p>Admin - Information, instruction, supervision & training. Admin - Portable Appliance Testing (PAT) conducted as per regime. Admin - Signage used to raise awareness. PPE - Personal Protective Equipment (PPE) is issued and worn (heat resistant gloves, safety glasses).</p>	<p>Serious</p>	<p>Unlikely</p>	<p>Low</p>		<p>Serious</p>	<p>Unlikely</p>	<p>Low</p>
<p>Assessment Conclusion</p>	<p>An Existing lab which has recently had a thorough spring clean to enable better use. No issues with existing controls and use.</p>								