

NanoFab

Centre for Research in Photonics (CRPuO)

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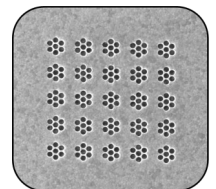
The CRPuO provides students, researchers and external users with open access to cutting-edge tools specializing in nanofabrication and characterisation, ideal for prototype development and fabrication.



**3 labs: wet chemistry, metrology, and white and yellow clean rooms
(Class 10,000)**

Processing of up to 4-inch diameter wafers and pieces

- Electron-beam lithography
- Focussed ion beam milling
- Microscopy
- Material etching
- Material deposition
- Back-end processing
- Optical parameter characterisation



EQUIPMENT

- SEM + E-Beam Lithography - Raith Pioneer
- ORION NanoFab HIM / FIB Microscope
- GeminiSEM 500
- Samco RIE-1 10iP Etcher



ACCESS FEES

Internal and External (Academic or Non-Academic) rates available, for either fee-for-service by highly qualified lab technologists, or unlimited user access with appropriate training.



RESEARCH

- Integrated optical structures
- Lasers and biosensors
- Waveguides
- Metasurfaces
- Photodetectors
- Modulators

For a complete list of equipment and access fees, please visit our web site!