

OSU Nanotech West Capabilities List: Non-Cleanroom

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General

Tool or capability	Tool Entity	Opspec(s)	Primary Contact	Secondary Contact	Notes
Biohybrid Laboratory (BHL) and other laboratory orientation and safety tour	None	Opspec in development	Steffen	Carlin	Covers BHL, Lab Annex, and Bay 5

Biohybrid Laboratory

Tool or capability	Tool Entity	Opspec(s)	Primary Contact	Secondary Contact	Notes
Harvey autoclave	CLV01	In development	Sharma	Steffen	
Lab benches	BNC0A, BNC0B, -C, - D....-P	In development	Sharma	Steffen	
NuAire model NU-425-400 Biological Safety Cabinets	BSC02, BSC03	BSC00	Sharma	Steffen	
Centrifuges	CNT01, CNT02, CNT03, CNT04, CNT05	In draft	Sharma	Steffen	Various
So-Low U85-18 Ultra-Low temperature freezer	FRZ01	In draft	Sharma	Davis	
Norge freezer	FRZ02	None	Sharma	Grimm	
Kewaunee Supreme Air fume hoods	HOD01, HOD02, HOD03, HOD04, HOD05	In development	Steffen	Sharma	

Bausch & Lomb Stereozoom 7 stereomicroscope	INS02	INS02	Ditmer	Grimm	Supports AFMs
Nikon Eclipse TE-200 inverted optical light microscope	INS03	In development	Sharma	Wang	
Supercritical CO2 bonding tool	BND01	In draft	Wang	Guan	
New Brunswick shaker	SHK01	In development	Sharma	Steffen	
Asylum BioAFM	AFM02	In development	Ditmer	Guan	
NuAire model NU-425-400 Biological Safety Cabinet	BSC01	BSC00	Sharma	Steffen	
Napco series 5400 dual CO2 incubator	INC01	In development	Sharma	Guan	
NuAire model NU-425-400 Biological Safety Cabinet	BSC04	BSC00	Sharma	Steffen	
Ametek Falcon / Genesis EDX	EDX01	In development	Ditmer	Davis	Attached to SEM01
Hitachi S-3000 scanning electron microscope	SEM01	SEM01	Ditmer	Bross	Medium resolution tungsten emission unit; see also EDX01 above
Technics Hummer VI sputter coater	PVD01	PVD01	Ditmer	Davis	Au/Pd coater; supports SEM operations
Veeco Dimension Atomic Force Microscope	AFM01	In development	Grimm	Ditmer	
NanoInk NSCRIPATOR dip-pen nanolithography system	DPN01	In development	Guan	Ditmer	Users bring inks and substrates; tip assemblies available
Cold Room	CLD01	In development	Sharma	Grimm	

Bay 5

Tool or capability	Tool Entity	Opspec(s)	Primary Contact	Secondary Contact	Notes
Aixtron R-series metalorganic chemical vapor deposition (MOCVD) tool	CVD01	Staff only	Carlin	Davis	Future capability estimated 4Q08
Nu-Aire model NU-425-400 biological safety cabinet	BSC06	BSC00	Steffen	Sharma	

Brookhaven Instruments Dynamic Light Scattering System	DLS01	In development	Wang	Guan	
Kewaunee Supreme Air LV chemical hood	HOD11	In development	Steffen	Grimm	
Terra Universal wet bench	HOD12	In development	Steffen	Grimm	
Varian 720-ES optical emission spectroscopy tool	OES01	In development	Davis	TBD	



Laboratory Annex (Room 119)

Tool or capability	Tool Entity	Opspec(s)	Primary Contact	Secondary Contact	Notes