CFN ESR/JRA Matrix

	ESR #	Lab(s)	ESR Title	Bldg	Electron Microscopy NC-JRA-001	Thermal Synthesis/Oven and Furnace Operation NC-JRA-002	Work with Chemicals in Laboratories NC-JRA-003	Compressed Gas Transportation and Use NC-JRA-004	General Cryogenic Work NC-JRA-005	Manual Lifting Objects < 30 Lbs NC-JRA-006	Operation of Lasers in Laboratories NC-JRA-007	Operation of Braun Controlled Atm Glove Box NC-JRA-008	Manual Material Handling NC-JRA-009	Generating Hazardous Waste and Satellite & 90 Day Ops NC-JRA-010	Hand Tool Use NC-JRA-011	Magnetic Fields and non-ionizing radiation work NC-JRA-012	Radiation Generation Device Use NC-JRA-013	Changing out Pyrophoric, Flammable and Toxic Gas NC-JRA-014	Working with Vacuum Systems NC-JRA-016	Working With Nanomaterials NC-JRA-017	Clean Room Operations NC-JRA-017
1	NC-2007-01-MS	1L32	High-Resolution Scanning Electron Microscope	735	x		x	x	x	x				x			x			x	
2	NC-2007-04-MS	1L05 & 1L16	Nanoscale characterization of surfaces and thin films containing polymers…	735	x		x	x		x	x			x						x	
3	NC-2007-05-MS	1L10	Thin Film Materials Processing	735		x	x	x		x				x	x	x			x	x	
4	NC-2007-07-EM	1L44,45,46	Nanoscale Patterning and Characterization	735	x		x	x	x	x				x	x		x	x	x	x	x
5	NC-2007-06-ELM	1L02-1L15	Biological and Soft Matter in the CFN: Synthesis/Characterization	735		x	x	x	x	x		x	x	x		x			x	x	
6	NC-2007-13-SBM	1L09	Laser scanning confocal fluorescence mocroscopy of synthetic and bio	735			x		x	x	x			x	x					x	
7	NC-2007-10-ELM	1L35	Electronic Transport in Nanomaterials	735			x	x	x	x				x		x			x	x	
8	NC-2007-14-ISC	1L39	Low Temperature Scanning tunneling Microscopy and Class IV Laser	735	x		x	x	x	x	x			x	x		x		x	x	
9	NC-2007-20-ELM	1L01B	Ultrafast Laser spectroscopy and laser induced confocal fluorescence…	735			x	x		x	x			x	x					x	
10	NC-2007-09-ELM	1L16	Characterization of Nanomaterials	735		x	x	x	x	x		x		x					x	x	
11	NC-2007-012-SBM	1L16	X-Ray Refectometer	735			x		x	x				x			x			x	
12	NC-2007-19-EM	1L26	Tranmission Electron Microscope Sample Prep	735			x	x	x	x				x	x					x	
13	NC-2007-23-ISC	1L38	Low Energy Electron Microscope, Nanoprobe, Scanning EM, Nanowire…	735	x	x	x	x		x	x	x		x		x		x		x	
14	NC-2007-08-ELM	1L42	Thin Film P:rocessing	735	x		x	x	x	x	x			x		x		x		xx	x
15	NC-2008-16-EM	1L30	Hitachi HD-2700 Scanning Transmission Electron Microscope	735	x		x	x	x	x				x			x		x	x	x
16	NC-2008-17-EM	1L24	FEI Titan 80-300 Transmission Electron Microscope	735	x		x	x	x	x				x			x		x	x	
17	NC-2008-18-EM	1L28	JEOL 2100F Transmission Electron Microscope	735	x		x	x	x	x				x			x		x	x	
18	NC-2007-15-ISC	1L33, 1L34	In-sity Microscopy (Near Field Optical Microscope, Multiprobe V SPM, Low T Cor	735	x	x	x	x		x	x	x	x	x		x	x	x			
19	NC-2008-11-ELM	1L17	Synthesis of low-dimensional nanomaterials by a low-pressure CVD System	735		x	x	x	x	x			x	x		x		x	x	x	
20	NC-2007-03-703R	W9A & W9B	Synthesis of B-C-N nanotubes and other one-dimensional nanostructures	703W		x	x	x	x	x			x	x				x	x	x	
21	NC-2007-02-703R	W9A	Synthesis of PT-Containing Nanoparticles via Wet Chemistry	703W		x	x	x	x	x			x	x				x	x	x	