

## Nanoscale Microscopy Lab Schedule, Summer 2020

	Monday 6/29	Tuesday 6/30	Wednesday 6/31	Thursday 7/01	Friday 7/02	
8:30	Registration (Lobby)				Final Project Preparation Time  (Lobby)	8:30
9:00	Course Introduction	Overview and Questions	Overview and Questions	Overview and Questions		9:00
9:10	Introduction to Nanoscale Microscopy (Auditorium)	Fluorescence Microscopy Part 1 (Auditorium)	Introduction to Electron Microscopy and Tomography  (Auditorium)	Introduction to Scanning Probe Microscopy 1 (Auditorium)		9:10
9:30					9:30	
10:00	DIY Microscope  (Lobby)	Sample Preparation in Fluorescence Microscopy (Lobby)	3D Reconstruction of Confocal Microscopy Image  (Lobby)	Seeing is Feeling Exercise (lobby)	Final Project Presentations 10am-1pm  (Auditorium)	10:00
10:30				10:30		
11:00	Guest talk 30min (Arisaka) Boxed lunch 30min (pres space)	Fluorescence Microscopy Part 2 (Auditorium)	Lunch (pres space)	Intro to SPM 2 Applications & Sample Prep  (Auditorium)		11:00
11:30						11:30
12:00						12:00
12:30	<i>CNSI Core Lab Tours</i> <i>A-Level</i> <i>B-Level</i> <i>MSSR</i>	30' Project Discussions	30' Project Discussions	30' Project Discussions	12:30	
1:00		Confocal Imaging  B145	SEM TEM 3D Visualization  B146 6350	Hands-on Activities: STM simulator, AFM imaging Magnetic AFM, Bio AFM Image Processing  B123 B139	Reception  (Lobby)	1:00
1:30	1:30					
2:00	DIY Microscope  (Lobby)	Journal Club  (pres space)	Work in project groups  (pres space)	Work in project groups  (pres space)		2:00
2:30						2:30
3:00						3:00
3:30						3:30
4:00						4:00
4:30	Homework and Final Project	Introduction to 3D Modeling	(pres space)			4:30

5:00

5:00