

## **EQUIPMENT IN SERVICE - VANDERBILT CELL IMAGING SHARED RESOURCE**

### **Confocal Microscopes**

1. Inverted LSM510 Meta (Zeiss), MRBIII 4155
2. Inverted FV1000 (Olympus), MRBIV 10434
3. Inverted LSM710 (Zeiss), Light Hall 704
4. Inverted LSM880-Airyscan (Zeiss), Light Hall 704
5. Inverted LSM980-Airyscan2 (Zeiss), ACRE F309 (VA Medical Center)
6. Upright Stellaris 5 (Leica), 051 ESB
7. Spinning Disk confocal (Nikon), MCN T-2216
8. SoRa Spinning Disk Confocal (Nikon), MCN T-2216

### **Specialty Laser-Scanning Microscopes**

9. Inverted LSM780-NLO "2-photon" (Zeiss), Light Hall 704
10. Multi-excitation TIRF (Nikon), MCN BB-1116
11. Inverted STORM "super-resolution" (Nikon), Light Hall 704
12. TIRF-SIM "super-resolution" (Nikon), MCN T-2216
13. SoRa Spinning Disk Confocal (Nikon), MCN T-2216

### **Wide-field (Conventional) Microscopes**

14. Upright AZ100 (Nikon), Light Hall 704
15. PRIMO Wide-Field (Nikon), MCN T-2216

### **Lightsheet Microscopes**

16. Z.1 Lightsheet (Zeiss), Light Hall 704

### **Transmission Electron Microscope**

17. JEOL 2100 Plus TEM, MCN RR-1207

### **Scanning Electron Microscopes**

18. Zeiss Crossbeam 550 Focused-Ion-Beam Scanning Electron Microscope, 051 ESB

### **General Electron Microscopy Processing**

- Three Leica ultramicrotomes, MCN RR-1207
- Gatan Cryotransfer stage, MCN RR-1207
- Vibratome tissue slicer, MCN T-3208
- 2x EMS freeze substitution stations, MCN T-3208
- Tousimis Critical Point Dryer, MCN T-3208
- Cressington 108 Auto sputter coater, MCN T-3208
- Plasma Cleaner/Glow Discharge, MCN T-3208
- Pelco Biowave Biological Microwave Processor, MCN T-3208
- EMS 950 carbon/metal evaporator and coater, MCN BB-1116

### **Analysis Software for Image Processing**

- Arivis Vision4D, Light Hall 704
- Imaris by Bitplane (2), Light Hall 704
- Nikon Elements (2), MCN T-2216
- Adobe Photoshop, Light Hall 704