

FACILITIES – VANDERBILT CELL IMAGING SHARED RESOURCE

The Cell Imaging Shared Resource (CISR) is an institutional, fee-for-service, advanced microscopy resource. The CISR provides researchers with access to state-of-the-art imaging equipment and expert technical support for sophisticated microscopy and analysis of tissue and cellular anatomy and physiology. As of April 2022, the CISR independently manages 18 advanced optical microscopes, 1 transmission electron microscope and 2 environmental scanning electron microscopes. All are fully operational and in excellent working condition. These instruments and the array of advanced capabilities offered by them are available to support any investigator with an appointment at Vanderbilt University or Vanderbilt University Medical Center.

The Departments of Molecular Physiology and Biophysics, Cell and Developmental Biology, Pathology, Biological Sciences, and Civil and Environmental Engineering provide space for the CISR. The CISR consists of seven separate suites within Vanderbilt University and the adjacent VA Medical Center. All seven locations for CISR equipment are within easy walking distance (5 of the 7 buildings are connected), so staff can move easily between instruments as needed. The CISR maintains autonomous management and access control of all CISR instrument. Card-locks provide controlled access to all CISR laboratory space. Office and desk space for the CISR faculty/staff are located in each imaging suite.

Building: Light Hall

- Suite 704: 1739 ft²
 - Office
 - Staff desk area
 - Preparation area
 - Analysis workstations area
 - 9 individual microscope rooms

Building: MRBIV

- Room 10434: 120 ft²
 - Microscope room
 - Computer/staff ante room

Building: MRBIII

- Room 4155: 110 ft²
 - Microscope room
 - Computer/staff ante room

Building: ACRE (VA Medical Center)

- Room F309: 100 ft²
 - Microscope room

Building: Engineering and Science Building

- Room 051: 240 ft²
 - Microscope room

Building: Medical Center North (MCN)

- Suite T-2216: 694 ft²
 - Microscope room
 - Sample preparation room
 - Open room with 3 microscope bays, 2 analysis workstation desks, and 1 staff desk
- Suite T-3208: 782 ft²
 - 2 offices
 - Sample dropoff area
 - Open lab space
- Room BB-1116: 145 ft²
 - Microscope room

Building: Stevenson Center

- Room 2102: 748 ft²
 - Microscope room
 - EM sample preparation room

Building: Jacobs Hall

- Room 149: 260 ft²
 - Microscope room