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Core Facilities at the IGB is your resource for Light Microscopy, Image Analysis, and Analytical Instrumentation. Our facility provides both step-by-step instruction and in-depth training, allowing researchers to acquire new techniques quickly. With 24/7 access for both IGB researchers and the campus community, IGB Core Facilities can be viewed as an extension of your lab. Our facility is meant to encourage innovation—try new techniques and approaches to achieve your research goals without a significant investment in instrumentation or time. The Core Facilities is a ZEISS Labs@location partner, enabling us to provide both beta instrumentation and advance training to the campus.

WE OFFER:

- High-end equipment
- Ongoing support, including experiment design and data interpretation
- User training
- Twenty-four hour access

More information at: www.core.igb.illinois.edu

**OPTICAL MICROSCOPY**

- **Light Sheet Microscope**: Zeiss Lightsheet Z.1
- **Structured Illumination Microscope**: Zeiss Elyra S1
- **High Resolution Confocal**: Zeiss LSM 880
- **Multiphoton Confocal**: Zeiss LSM 710
- **Confocal**: Zeiss LSM 700
- **Fluorescence**: Zeiss Axio Observer Z1 with Apotome
- **Slide Scanner**: Olympus Nanozoomer with Fluorescence
- **Laser Capture**: Veritas
- **Dissecting Scope**: Zeiss Stereolumar V12, Zeiss AxioZoom V16
- **Serial Block Face Imaging Instrument**: Leica RM2255 and Zeiss Stereolumar V12
- **Imaging Cytometer**: iCyte

**ELECTRON MICROSCOPY**

- **Serial Block Face SEM**: Zeiss Sigma VP 3View

**ATOMIC FORCE MICROSCOPE**

- **AFM**: Asylum Cypher

**SAMPLE PROCESSING**

- **Cryostat**: Leica CM3050
- **Tissue Processor**: Leica ASP300
- **Embedding Station**: Leica EG1150 C and EG1150 H
- **Microtome**: Leica RM2255

**ANALYTICAL**

- **Gel Imager**: LAS 4000

**SOFTWARE**

- **3D Reconstruction**: Imaris, Analyze 3D
- **Deconvolution**: AutoQuant
- **2D Image Analysis**: Axiovision

**3D PRINTING**

- **3D Printer**: Formlabs Form 2

**CAMERAS**

- **Digital SLR**: Canon EOS 5D MarkII
- **Light Kit and Backdrop**
- **Macro Lens**: Canon 65 mm f 2.8

**NMR**

- **NMR**: Agilent 600MHz