

CORE FACILITIES

THE INSTITUTE FOR GENOMIC BIOLOGY

CORE FACILITIES STAFF

www.core.igb.illinois.edu

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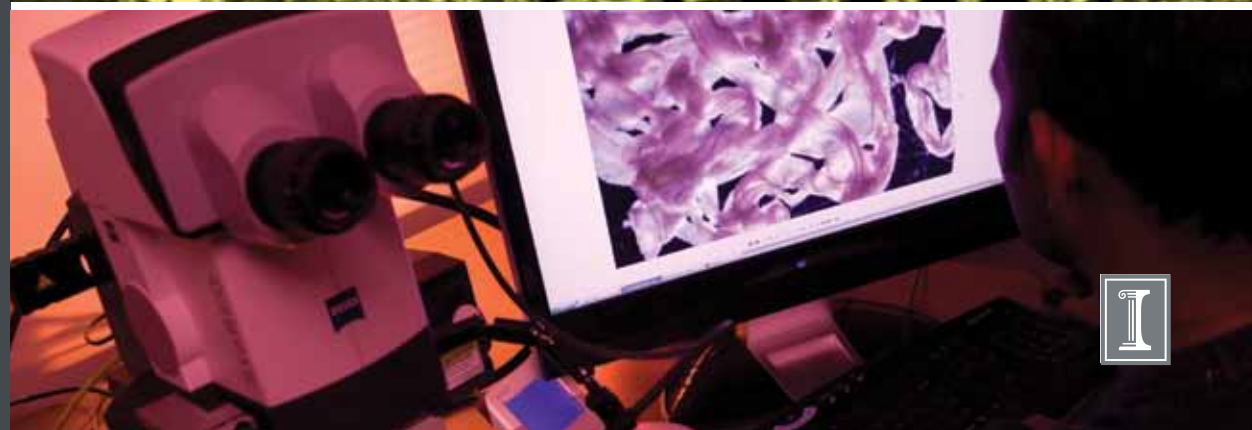
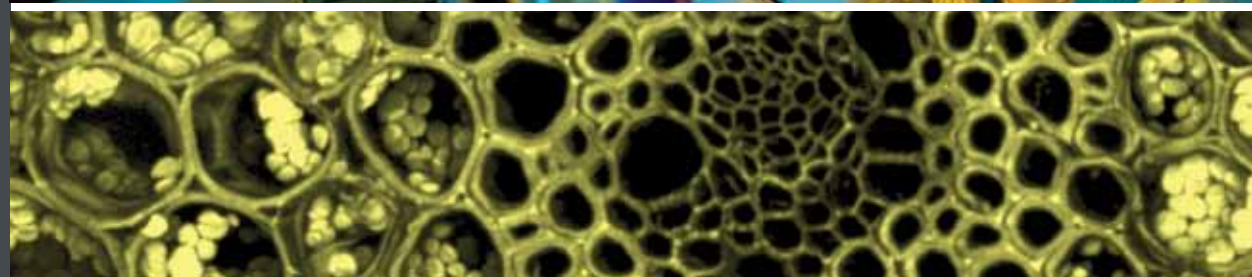
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ILLINOIS

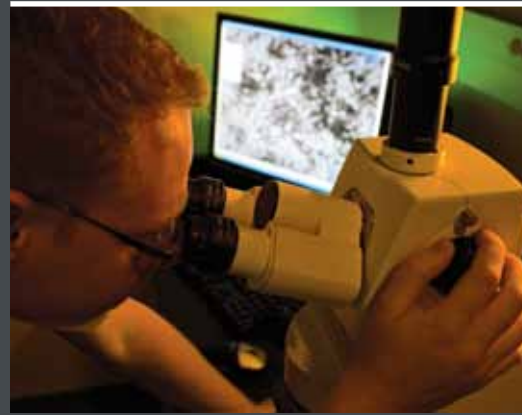
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Core Facilities at the IGB is your resource for Light Microscopy, Image Analysis, and Analytical Instrumentation. Our facility provides both step-by-step instruction and in-depth training, allowing researchers to acquire new techniques quickly. With 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.

WE OFFER:

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



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

OPTICAL MICROSCOPY

- Multiphoton confocal:** Zeiss 710
- Confocal:** Zeiss 700
- Spinning disk confocal:** Andor Revolution system
- Fluorescence:** Zeiss Axiovert 200M
- Slide Scanner:** Olympus Nanozoomer
- Laser Capture:** Veritas
- Dissecting scope:** Zeiss Stereolumar V12
- Microinjection scope:** Zeiss A1
- Serial Block Face Imaging Instrument:** Leica RM2255 and Zeiss Stereolumar V12

SAMPLE PROCESSING

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

ANALYTICAL

- Realtime PCR:** Applied Biosystems 7900
- GCMS:** Agilent 5975D
- Gel Imager:** LAS 4000

SOFTWARE

- 3D reconstruction:** Imaris
- Deconvolution:** AutoQuant
- Image quantization:** Axiovision
- PCR analysis:** SDS 2.3

CAMERAS

- Digital SLR:** Canon EOS 5D MarkII
- Light Kit and back drop**
- Macro lens:** Canon 65 mm f2.8

MICROFABRICATION

- Mask aligner:** Suss MJB4