

Microscopy & Imaging Core Facilities - contact information

The Cellular Imaging Core of the Southwest Environmental Health Sciences Center (SWEHSC) provides all types of microscopy and imaging-related support to faculty, staff and students who are affiliated with the SWEHSC. We are available to assist SWEHSC investigators in planning experiments, answering technical questions, troubleshooting problems, providing instrument-specific training, assisting in the interpretation of results and reviewing pertinent sections of grant proposals and manuscripts. The SWEHSC is supported by NIEHS grant # ES06694. For more information, see our web site at: <http://swehsc.pharmacy.arizona.edu/exppath/>



| Name | Phone | Office | Email |
|-----------------------------------|----------|------------|-------------------------|
| Clark Lantz, Ph.D., Core Director | 626-6716 | LSN 447 | lantz@email.arizona.edu |
| Doug Cromey, M.S., Core Manager | 626-2824 | AHSC 4212A | cromey@arizona.edu |

The following facilities and cores are run by a number of departments. The Cellular Imaging Core works closely with these labs and often provides technical, financial and/or supervisory support.

Histology Service Lab (Dept of Cell Biology & Anatomy, AHSC)

| Name | Phone | Lab | Email |
|----------------------------|----------|-----------|---------------------|
| Andrea Grantham, HT (ASCP) | 626-4415 | AHSC 4212 | histo@u.arizona.edu |

A full-service paraffin and frozen-section histology lab. See: <http://www.cba.arizona.edu/Histo/index.html>

Electron Microscopy Facility (Div. of Biotechnology, Arizona Research Labs)

| Name | Phone | Lab | Email |
|--------------------------------------------|----------|------------|------------------------|
| Peggy McCuskey, M.S. (AHSC facility) | 626-6099 | LSN 410 | margarem@u.arizona.edu |
| David Bentley, M.S. (Main campus facility) | 621-5097 | Marley 101 | dlb@u.arizona.edu |

A full-service lab for transmission and scanning electron microscopy.

See: <http://imaging.arl.arizona.edu/> or <http://swehsc.pharmacy.arizona.edu/exppath/core/equip/electronmicro.html>

Multiphoton/Confocal Microscope Facility (Div. of Biotechnology, Arizona Research Labs)

| Name | Phone | Lab | Email |
|--------------------|----------|---------|---------------------------|
| Barb Carolus, M.S. | 621-2047 | LSN 410 | carolus@email.arizona.edu |

Provides user with access to the Zeiss LSM 510NLO-Meta multiphoton/confocal instrument. Users must receive training before they can use this instrument.

See: <http://imaging.arl.arizona.edu/> or <http://swehsc.pharmacy.arizona.edu/exppath/core/equip/multiphoton.html>

Cytometry Facility (Div. of Biotechnology, Arizona Research Labs and Arizona Cancer Center)

| Name | Phone | Lab | Email |
|--------------------|----------------------|-----------|---------------------------|
| Barb Carolus, M.S. | 621-2047 626-2450 | AZCC 4920 | carolus@email.arizona.edu |

Operator-assisted flow cytometry analysis and sorting is available from this facility. See: <http://cytometry.arl.arizona.edu/>

Image Analysis Workstations (Dept of Cell Biology & Anatomy, AHSC & Arizona Cancer Center)

| Name | Phone | Lab | Email |
|-------------------|----------|-----------------------------------|--------------------|
| Doug Cromey, M.S. | 626-2824 | LSN 429 (CBA) AZCC 3964 (AZCC) | cromey@arizona.edu |

Provides user access to light microscopy digital image capture as well as image analysis software capable of analyzing digital images from other instruments.

See: <http://swehsc.pharmacy.arizona.edu/exppath/core/equip/compix.html>

Deconvolution Fluorescence Microscope (Research Microscopy Core Service, College of Medicine)

| Name | Phone | Lab | Email |
|----------------------|----------|----------|---------------------|
| David Elliott, Ph.D. | 626-7870 | MRB 330M | elliott@arizona.edu |

Provides user access to the DeltaVision image restoration microscope. Users must receive training before they can use this instrument. See:

<http://swehsc.pharmacy.arizona.edu/exppath/core/equip/deltavision.html>