



## ***Slight name change, but no change in services***

As part of some structural changes within the SWEHSC, Cellular Imaging has joined Genomics, Proteomics and Bioinformatics as part of the Technologies group within the Integrative Health Sciences Facility Core. As a result of this change, we are now called the Cellular Imaging Shared Service. We continue to provide the same level of service that we've always done. To see a current SWEHSC organization chart, visit:

<http://swehsc.pharmacy.arizona.edu/admin/organization.php>

## ***SWEHSC website revisions and new features***

The Center's website has been revised. The center's home pages; as well as those of the cores and shared services now include up-to-date news and announcements pulled from an easy to update database. To find the Cellular Imaging Shared Service, click the left side navigation link for the Integrative Health Sciences Facility Core.

## ***Need help creating figures to submit with your manuscripts?***

Assembling a figure for a journal article can be challenging. The journal's instructions to the author will often use acronyms like RGB, CYMK, TIF, EPS, DPI, and then not explain what these acronyms mean. Doug Cromey is available to teach lab groups or individuals how to correctly and ethically manipulate digital images. He is also available to assemble figures for your lab or to assist in resolving editor's comments about figures from an already submitted article. Recently Doug helped out Dr. Hoyer's lab, here's what two people from that lab had to say:

Doctoral student Zeliann Craig's paper had been accepted by a high impact factor journal (Biology of Reproduction), but the journal wanted some of the figures redone to meet their specific requirements. She contacted Doug Cromey for assistance and adds that "*when I had a hard time figuring out and meeting the figure resolution requirements for final production of the accepted paper, Doug was there to save the day.*"

Long time UA employee Sam Marion (Sr. Research Specialist) was in need of help in assembling the figures for a paper to be submitted. He called on Doug to assemble and label the figures, as well as import the line art (Excel graphs) so that the submission would meet the journal's requirements. He said "*(Doug) very ably assisted us in making detailed micrographs of rat ovaries. He also made some very necessary adjustments to the tables and line graphs in our manuscript, greatly enhancing the presentation of the information to the eventual readers of our work. I would not hesitate to recommend others to avail themselves of his expert assistance in the future.*"

## ***Introduction to Scientific Digital Imaging – workshop***

This bi-annual workshop will be formally announced soon. Attendance is by registration only, so look for details in an upcoming email on the SWEHSC listserver. The workshop will be held at AHSC on January 13, 2009.

## ***Microwave tissue processing in the AHSC Electron microscopy facility***

A new scientific microwave has recently been installed in the ARL Electron microscopy facility in LSN. This microwave has considerably more control over the amount of energy delivered to the sample than a consumer microwave. Currently the new microwave has been used to speed up tissue processing for EM, which in the past has taken several days to complete. Dr. Tony Day is investigating several other possible uses of the microwave, including antigen retrieval for immunostaining of formalin fixed material that will be imaged by light microscopy.

## ***Fundamentals of Light Microscopy and Electronic Imaging – graduate course***

We highly recommend this three unit lecture/hands-on course (CBA 565A, offered in the Spring) that teaches the essential principles and applications of light microscopy and electronic imaging. The class meets Wednesdays from 9am-11am; with weekly lab exercises that will be assigned. Contact Dr. David Elliott at 626-7870 or [elliott@arizona.edu](mailto:elliott@arizona.edu) for more details.

**Contacts:**

R. Clark Lantz, Ph.D.

Douglas W. Cromey, M.S.

Core Director

Core Manager

626-6716

626-2824

LSN 447

AHSC 4212A

[lantz@email.arizona.edu](mailto:lantz@email.arizona.edu)

[cromey@arizona.edu](mailto:cromey@arizona.edu)