



## Equipment news:

- The new FEI/Phillips XL 30 scanning electron microscope was delivered to the AHSC Imaging Facility (in LSN 410) in mid-December. The microscope will eventually have the capability for back-scattered electron detection; however, the detector for that feature hasn't been delivered yet. The microscope can save images to film or as digital images. Doug Cromey will be working with the Imaging Facility to add removable storage and networking capabilities to the microscope's computer. (*Many thanks to Dr. McCuskey, who wrote the successful shared instrumentation grant that funded this new instrument.*)
- The Leica confocal microscope received a replacement Ar-Kr laser in early December. The new laser is much brighter, so be prepared to modify your usual power settings the next time you use the microscope. If you use the dye CY-5, the 647 nm excitation line "appears" at the 9 o'clock setting now (*instead of 1 o'clock*), so it is probably unnecessary to turn the laser up to a fairly high power setting anymore.
- The Compix/SimplePCI Image Analysis workstation located in room 0935 of the Arizona Cancer Center is being moved to room 6111 in the AHSC (*Dr. Payne's lab*). This should make this instrument more accessible. Kathleen Kunke will remain the primary contact for users of this instrument.
- The Codonics dye-sublimation printer was repaired this month (*new paper roller assembly*). While the printer was being worked on, more RAM was added to the computer part of the printer.
- The CBA Histology Service Lab recently purchased a motorized microtome. This has made it much easier to cut serial and step sections from paraffin embedded tissues. Andrea Grantham reports that she can cut sections thinner than 4  $\mu\text{m}$  with this microtome.

## Dye-sublimation printer tips:

- Recently there have been several users who have run into the maximum file size limitation for printing via the ImageWeb interface on the Codonics printer. If the file you want to print is larger than 18 MB, you will need to send the file to the printer via FTP, rather than through your web browser. Much larger files (*up to 40-50 MB*) can be printed successfully via the FTP method. If you need assistance with using FTP and the Codonics, please contact Doug Cromey.
- Common problems with printing to the Codonics dye-sublimation printer:
  - ▶ the printer is a bitmap printer, TIFF files work great, but native Photoshop (\*.psd) formatted files do not
  - ▶ the printer runs on a UNIX platform, therefore, it does not work with file names (*or user names*) that have spaces or any special characters (*e.g., punctuation marks or symbols*)
  - ▶ because the printer runs on a UNIX platform, it is extremely literal about user names (*e.g., Faculty654321, faculty654321 and FACULTY654321 are different users to the computer*), therefore, if you have taken the trouble to calibrate the printer output to your monitor (*using the bracketing feature*), you must continue to use the exact login name that you used previously to setup the gamma, contrast and TCR.

## Call for Student Presentations:

- The Arizona Imaging and Microanalysis Society (AIMS) will hold their annual meeting at the Tanque Verde Guest Ranch on February 22, 2001. The society is calling for student presentations (*either 15 min platform presentations, or posters*) which involve imaging, microscopy or microanalysis. A \$50 prize will be awarded to the best poster and the best platform presentation in the biological sciences. Contact AIMS President David Bentley (520-621-5097 or <[dlb@u.arizona.edu](mailto:dlb@u.arizona.edu)>) for more information.
- The meeting will feature several speakers, including Dr. Brian Matsumoto (*editor of "Methods in Cell Biology: Cell Biological Applications of Confocal Microscopy"*, University of California - Santa Barbara) and Dr. Jim Bentley (*analytical electron microscopy, Oak Ridge National Laboratory*).

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