



Center for Toxicology, Southwest Environmental Health Sciences Center (an NIEHS Center)

Experimental Pathology Service Core

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Personnel changes affecting service labs:

- Frank Walmsley of the Cell Biology & Anatomy Histology Service lab has gone to 0.5 FTE as of September 1st. Frank is a third year PharmD student in addition to his work in the Histology lab and he needs the extra time to attend to his studies.
- The Histology lab will be hiring a full-time Sr. Research Specialist to pick up the workload and to oversee the day-to-day workings of the lab. The position has been posted and we hope to have someone hired by early October 1999. **Because of the personnel situation, users should expect delays in turnaround time for histology procedures from now through the early part of November.**
- Landon Inge, the manager of the AZCC Cell & Molecular Pathology Core, left the University in late July to take a position in industry. The status of his replacement is under discussion within the AZCC. In the interim, please contact Kathleen Kunke (626-5514 or <kathleek@u.arizona.edu>) for information about aliquots of reagents.

Imaging Workstations have begun to arrive:

- The AZCC imaging workstation has been installed. This workstation has capabilities for color digital image capture of brightfield microscopic images from an upright Nikon microscope. In addition, the computer has image analysis software (Compix) for measurement of image parameters, morphometry and the ability to create 3D rotations (*e.g. confocal images*). The principal contact for this system is Kathleen Kunke. Since we are still learning how to use the new software, please check the October 1999 newsletter for more information about when this workstation will be available for use.
- A second imaging workstation is "on the drawing board". The plans for this workstation include a high-resolution scientific greyscale CCD camera for low-light level imaging (*e.g., fluorescence*), with additional capabilities for the capture of red, green & blue images to create color digital images. The same software as the AZCC workstation will be installed on this system to make it easier for users to become accustomed to the software. This system will use an inverted Olympus microscope (*donated by the AZCC*). The principal contact for this system will be Doug Cromey. Please check the fall Experimental Pathology Service Core newsletters for updates on the status of this workstation.

Report on the 1999 In Situ Molecular Imaging Hands-On Workshop:

- The lecture portions of this summer's workshop were held July 15 & 16, with the hands-on part of the workshop on August 19 & 20. There were thirty attendees (*faculty, staff, post-docs and students*) from 13 different departments around the UA campus. Dr. Payne was the principal organizer for this workshop. Dr. Lantz and Doug Cromey were contributors to the lectures and the "hands-on" portions of the workshop.
- The response to the workshop was very favorable and we are already thinking about how to follow up on some of the topics.

News from the Experimental Pathology Service Core:

- Dr. Lantz and Dr. Meryl Karol (SWEHSC External Advisory board) were co-authors on a recent paper that included a confocal image that was selected for the journal cover. The article is in the July 1999 issue of Toxicological Sciences.
- Doug Cromey was accepted as one of 24 students for an 8 day course at the Woods Hole Marine Biological Laboratory. The course is entitled "Optical Microscopy and Imaging in the Biological Sciences". The course will be in mid-October. The course includes access to state-of-the-art imaging equipment. If you are interested in sending some samples with Doug, please contact him before the end of September.