



Instrumentation news:

- **Image Analysis:** Several projects have been measured on the Compix system now and we continue to grow more familiar with the specifics of this powerful software. Visit the Core's web site and look under "Information about the Core > Labs & Equipment > Digital Light Microscopy, Image Analysis & Measurement". As an example of some of the things the instrument can do, we've added a time-lapse movie of cultured endothelial cells and a low magnification montage of a histology slide that was created using the motorized stage. We are still trying to "iron out" some non-trivial optics-related issues before we can acquire fluorescence images with this system. The scheduling calendar for this instrument is now available on-line.
- **Multi-photon Confocal:** We are in the process of evaluating the available multi-photon confocal microscopes (*primarily the Zeiss & Leica instruments*). Ideally, we would like to have the new instrument installed sometime in the early part of 2002.
- **Deconvolution:** The department of Cell Biology & Anatomy has recently installed a DeltaVision Restoration Microscopy system. This microscope can capture images of dimly fluorescent samples (*unlike the confocal*) and create images that are similar in quality to the confocal. The instrument uses a computationally intensive mathematical algorithm that corrects for the accumulated optical aberrations found in any microscope. More information on this system can be found at the Core's web site and look under "Information about the Core > Labs & Equipment > Deconvolution Fluorescence Microscope". The department is still trying to identify someone to begin training users on this system, but SWEHSC users can contact Doug Cromey for assistance.

Featured in Science Magazine's Netwatch:

The "Microscopy & Imaging Resources on the WWW" portion of the Core's web site was featured in the July 13, 2001 Netwatch column in Science Magazine. If you are unfamiliar with our site, the Core has an extensive set of web pages featuring links to Microscopy and Imaging-related resources. In the last 12 months our site has had over 88,000 page requests from more than 85 different countries.

Our site also includes web pages that describe the many different ways that the Core can assist your laboratory. We have included descriptions of the different types of equipment that Core personnel can access, information about various training opportunities for your staff & students, and the contact information for the different members of the Core.

New Histology Core staff:

The Cell Biology & Anatomy Histology Service lab is pleased to announce the hiring of part-time research specialist Kim Saunders. Kim is an ASCP certified histotechnician and has received the ASCP "Qualification in Immunohistochemistry". The addition of Kim will allow the lab to turn projects around a little faster and provide better coverage for when Andrea is on vacation.

Thank you Kathleen:

Sr. Research Specialist Kathleen Kunke was partially supported by the Experimental Pathology Core over the last year and a half. She will now be concentrating her efforts entirely on Dr. Claire Payne's research. We are grateful for her assistance.

Book your confocal time early:

The Leica TCS-4D confocal microscope in LSN has been very busy lately. Please plan to book time on the instrument at least 2-3 weeks in advance. Training sessions for new users also need to be planned well in advance to ensure a slot in the schedule.

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