

**Service facilities - fee schedule changes**

It is an unfortunate fact of life that the fees for service at a number of facilities have already, or will soon increase this fall. Listed below are the service facilities that are affiliated with the Cellular Imaging Core.

Service Facility	WWW link to current fees	Date fees effective
Confocal microscopy facility (ARL)	http://imaging.arl.arizona.edu/services/confocal.php	10/01/08
Electron Microscopy facility – AHSC (ARL)	http://imaging.arl.arizona.edu/services/em.php	10/01/08
Flow Cytometry facility (ARL/AZCC)	http://cytometry.arl.arizona.edu/services/fees.php	10/01/08
Histology Service Lab (CBA)	http://www.cba.arizona.edu/histo/pricelist.html	12/01/08
Image Analysis Workstation (CBA)		01/01/09
USIF electron microscopy facility – main campus (ARL)	http://imaging.arl.arizona.edu/rates.html	10/01/08
Deconvolution microscopy (CBA/COM)		- - -

If you'd like to maximize the effect of your spending in these facilities, please contact the Cellular Imaging Core. We can assist you to ensure that your money is well spent. The Core provides experienced technical consultation and operator-assistance for using several of these instruments at no additional charge* for SWEHSC investigators.

* Please note that per hour instrument time fees still apply.

GFP wins Nobel prize in Chemistry

Osamu Shimomura (Woods Hole Marine Biological Laboratory), Martin Chalfie (Columbia University) and Roger Tsien (UCSD) were awarded the 2008 Nobel Prize in Chemistry for their discoveries with green fluorescent protein. GFP was first observed in the jellyfish *Aequorea Victoria*. The protein, and its many variants, is used extensively as a fluorescent reporter molecule in microscopy.

New Instruments in the ARL/AZCC Cytometry Shared Service

The Cytometry shared service has added two new instruments in the past few months. The following information is courtesy of Barb Carolus (621-2047, Carolus@email.arizona.edu), the shared service's manager.

The **iCyt Reflection cell sorter** (<http://www.i-cyt.com/products/>) is a stream in air cell sorter with UV, 407, 488, 532, 633nm lasers. It can sort four ways into a variety of tubes, and soon will have the capability of sorting into multi-well plates. The instrument has special optics that enables it to resolve very small particles. The iCyt is not meant to be an analyzer, but given that it's the only instrument that has a UV laser, the shared service is willing to do some special projects involving acquisition only. The instrument is housed in Room 140 D2 in the Medical Research Building. Please note; the instrument was specifically purchased for two very complex and long projects. Its availability for research that is not related to these projects is expected to be low. If you have a particular interest in this instrument, contact the shared service and let them know how you would like to use the instrument and they will make sure that your project gets completed.

The **LSRII cytometer** (http://www.bdbiosciences.com/features/products/display_product.php?keyID=41) is an analyzer only. It can acquire your samples, and save files that can be analyzed on any flow cytometry software, as well as the native software of the instrument. It has 407, 488, 532, 633nm lasers and the capability of collecting a 14 color sample. It is housed in MRB Room 240K1, and has been designated a USER ONLY instrument. Prospective users will be trained, given passwords and access to the instrument. Typically, users may only access the cytometer Mon-Fri during normal working hours; however, experienced users may be granted 24hr access.

A biometric CATCARD will be needed to gain access to the buildings, and possibly keys or additional card access will be required for both of these rooms.