



### Manuscripts

**Ganguly SS, Plattner R.** "Activation of Abl Family Kinases in solid tumors" *Genes & Cancer*. October 2012. \*Invited review article.

**Swanson H,** Wada T, Xie W, Renga B, Zampella A, Distrutti E, Fiorucci S, Kong B, Thomas AM, Guo GL, Narayanan R, Yepuru M, Dalton J, Chiang JY. "Role of Nuclear Receptors in Lipid Dysfunction and Obesity-related Diseases," *Drug Metab Dispos*. 2012 Oct 4.

**Yiannikouris F,** Gupte M, Putnam K, Thatcher S, Charnigo R, Rateri DL, Daugherty A, **Cassis LA.** "Adipocyte deficiency of angiotensinogen prevents obesity-induced hypertension in male mice." *Hypertension*, in press, Oct. 2012. \*Invited editorial to accompany this publication.

Xie X, Lu H, Moorleggen JJ, Howatt DA, Rateri DL, **Cassis LA,** Daugherty A. "Doxycycline does not influence established abdominal aortic aneurysms in angiotensin II-infused mice." *PLoS One*, in press, 2012.

Poduri A, Owens PA, Howatt DD, Moorleggen J, Balakrishnan A, **Cassis LA,** Daugherty A. "Regional variation in aortic AT1b receptor mRNA abundance is associated with contractility but unrelated to atherosclerosis and aortic aneurysms." *PLoS One*, 2012.

Baker NA, Karounos M, English V, Fang J, Wei Y, Stromberg A, Sunkara M, Morris AJ, **Swanson HI,** **Cassis LA.** "Coplanar polychlorinated biphenyls impair glucose homeostasis in lean C57BL/6 mice and mitigate beneficial effects of weight loss on glucose homeostasis in obese mice." *Environmental Health Perspective*, in press, 2012.

# Molecular & Biomedical Pharmacology News

VOLUME 1, ISSUE 2

NOVEMBER 30, 2012

## NEW PURCHASES FOR THE DEPARTMENT

Financial support provided to Dr. Lisa Cassis upon accepting the position of department chair has made it possible to acquire several new pieces of equipment. These acquisitions were greatly needed to replace outdated or broken equipment, and will help the Department move forward with "state of the art" technologies and approaches. Some of these



purchases are featured here.

**The Ultra Centrifuge** This instrument is the latest model from Sorval (RC6+). Applications are focused on all aspects of pharmacology. The ultra centrifuge is capable of supporting sample formats ranging from microtubes (0.5 mL) up to 1L volumes with a newly designed 1L bottle and has rotor choices spanning the innovative Thermo Scientific Fiberlite carbon fiber rotors, the traditional metal rotors, and continuous flow rotors. The centrifuge is compatible with Nalgene bottles and tubes.



**The Gino/Grinder** has the capacity of homogenizing 84 samples at once and

at the same temperature. It uses special tubes and spheres to pulverize the tissue. This instrument will help reduce experimental variability by eliminating changes in homogenization across samples.

## More Purchases

### Sorval St16 benchtop Centrifuge



The SL 16 series is suited for routine processing, including clinical protocols, cell culture applications and microplate processing.

**NOTE:** Applications for these new tools are compatible with all aspects of pharmacology research

(cardiovascular, diabetes, cancer and neuroscience). When using one of these pieces of equipment, please sign the corresponding log book provided for each.

Send your news to:  
Mary.Lowell@uky.edu