### Review Articles

Recent Progress in Prostaglandin F$_{2\alpha}$ Ethanolamide (Prostamide F$_{2\alpha}$) Research and Therapeutics  
*D. F. Woodward, J. W. Wang, and N. J. Poloso*

Aryl Hydrocarbon Receptor Control of Adaptive Immunity  
*Francisco J. Quintana and David H. Sherr*

Therapeutic Targeting of Autophagy in Disease: Biology and Pharmacology  
*Yan Cheng, Xingcong Ren, William N. Hait, and Jin-Ming Yang*

Cofactoring and Dimerization of Proteinase-Activated Receptors  
*Huilan Lin, Allen P. Liu, Thomas H. Smith, and JoAnn Trejo*

Interrogating Tumor Metabolism and Tumor Microenvironments Using Molecular Positron Emission Tomography Imaging. Theranostic Approaches to Improve Therapeutics  
*Orit Jacobson and Xiaoyuan Chen*

Mu Opioids and Their Receptors: Evolution of a Concept  
*Gavril W. Pasternak and Ying-Xian Pan*

Insights into Rapid Modulation of Neuroplasticity by Brain Estrogens  
*Deepak P. Srivastava, Kevin M. Woolfrey, and Peter Penzes*

Pharmacokinetics, Clinical Indications, and Resistance Mechanisms in Molecular Targeted Therapies in Cancer  
*Benjamin Izar, Julia Rotow, Justin Gainor, Jeffrey Clark, and Bruce Chabner*

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*About the cover:* Model of PAR3 cofactoring of mPAR4. See article by Lin et al on p. 1198 of this issue.