Review Articles

Kidney Angiotensin in Cardiovascular Disease: Formation and Drug Targeting
Hui Lin, Frank Geurts, Luise Hassler, Daniel Battle, Katrina M. Mirabito Colafella, Kate M. Denton,
Jiu L. Zhuo, Xiao C. Li, Nirupama Ramkumar, Masahiro Koizumi, Taiji Matsuoka, Akira Nishiyama,
Martin J. Hoogduijn, Ewout J. Hoorn, and A.H. Jan Danser

Acylcarnitines: Nomenclature, Biomarkers, Therapeutic Potential, Drug Targets, and Clinical Trials
Maija Dambrova, Marina Makrecka-Kuka, Janis Kuka, Reints Vilskersts, Didzis Nordberg, Misty M. Attwood,
Stefan Smesny, Zanarut Dieyn Sen, An Chi Guo, Eponine Oler, Siyang Tian, Jiamin Zheng,
David S. Wishart, Edgars Liepinsh, and Helgi B. Schiøth

The Nitrogen Mustards
Martin S. Highley, Bart Landuyt, Hans Prenen, Peter G. Harper, and Ernst A. De Bruijn

Cathepsin B Gene Knockout Improves Behavioral Deficits and Reduces Pathology in Models of
Neurologic Disorders
Gregory Hook, Thomas Reinheckel, Junjun Ni, Zhou Wu, Mark Kindy, Christoph Peters, and Vivian Hook

Allosteric Modulators of Metabotropic Glutamate Receptors as Novel Therapeutics for Neuropsychiatric Disease
Deborah J. Luessen and P. Jeffrey Conn

Mass Spectrometry Approaches Empowering Neuropeptide Discovery and Therapeutics
Krishna D. B. Anapindi, Elena V. Romanova, James W. Checco, and Jonathan V. Sweedler

New Technologies Bloom Together for Bettering Cancer Drug Conjugates
Yiming Jin, Shahab Edalatian Zakeri, Raman Bahal, and Andrew J. Wiemer

Matrix Metalloproteinases: From Molecular Mechanisms to Physiology, Pathophysiology, and Pharmacology
Luiz G.N. de Almeida, Hayley Thode, Yekta Eslambolchi, Sameeksha Chopra, Daniel Young, Sean Gill,
Laurent Devel, and Antoine Dufour

Quantitative Proteomics in Translational Absorption, Distribution, Metabolism, and Excretion and
Precision Medicine
Deepak Ahire, Laken Kruger, Sheena Sharma, Vijaya Saradhi Mettu, Abdul Basti, and Bhagwat Prasad

ATP and Adenosine Metabolism in Cancer: Exploitation for Therapeutic Gain
Genadny G. Yegutkin and Detlev Boison

Carbon Monoxide Signaling: Examining Its Engagement with Various Molecular Targets in the Context of
Binding Affinity, Concentration, and Biologic Response
Zhengnan Yuan, Ladie Kimberly De La Cruz, Xiaoxiao Yang, and Binghe Wang

Supplemental material is available online at http://pharmrev.aspetjournals.org.

About the cover: Novel Signaling Mechanisms of Mitochondrial Angiotensin II in The Proximal
Tubule. See the article by Lin et al. (dx.doi.org/10.1124/pharmrev.120.000236).