Review Articles

Kidney Angiotensin in Cardiovascular Disease: Formation and Drug Targeting 462
Hui Lin, Frank Geurts, Luise Hassler, Daniel Battle, Katrina M. Mirabito Colafella, Kate M. Denton,
Jia L. Zhuo, Xiao C. Li, Nirupama Ramkumar, Masahiro Koizumi, Taiji Matusaka, Akira Nishiyama,
Martin J. Hoogduijn, Ewout J. Hoorn, and A.H. Jan Danser

Acylcarnitines: Nomenclature, Biomarkers, Therapeutic Potential, Drug Targets, and Clinical Trials 506
Maija Dambrova, Marina Makrecka-Kuka, Janis Kuka, Reinis Vilskersts, Didi Nordberg, Misty M. Attwood,
Stefan Smesny, Zumarut Dyeysen, An Chi Guo, Eponine Oler, Siyang Tian, Jianmin Zheng,
David S. Wishart, Edgars Liepinsh, and Helgi B. Schiöth

The Nitrogen Mustards 552
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 600
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 630
Deborah J. Luessen and P. Jeffrey Conn

Mass Spectrometry Approaches Empowering Neuropeptide Discovery and Therapeutics 662
Krishna D. B. Anapindi, Elena V. Romanova, James W. Checco, and Jonathan V. Sweedler

New Technologies Bloom Together for Bettering Cancer Drug Conjugates 680
Yiming Jin, Shahab Edalatian Zakeri, Raman Bahal, and Andrew J. Wiemer

Matrix Metalloproteinases: From Molecular Mechanisms to Physiology, Pathophysiology, and Pharmacology 712
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 769
Deepak Ahire, Laken Kruger, Sheena Sharma, Vijaya Saradhi Mettu, Abdul Basit, and Bhagwat Prasad

ATP and Adenosine Metabolism in Cancer: Exploitation for Therapeutic Gain 797
Gennady 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 823
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).