MINIREVIEWS

Profiling of Drug-Metabolizing Enzymes and Transporters in Human Tissue Biopsy Samples: A Review of the Literature
A. David Rodrigues and Andrew Rowland

BEHAVIORAL PHARMACOLOGY

Isobolographic Analysis of Antiseizure Activity of the GABA Type A Receptor-Modulating Synthetic Neurosteroids Brexanolone and Ganaxolone with Tiagabine and Midazolam
Shu-Hui Chuang, and Doodipala Samba Reddy

CARDIOVASCULAR

Menaquinone-4 Accelerates Calcification of Human Aortic Valve Interstitial Cells in High-Phosphate Medium through PXR
Wei Yang, Zaiqiang Yu, Mari Chiyoya, Xu Liu, Kazuyuki Daitoku, Shigeru Motomura, Tadaatsu Imai, Ikuo Fukada, Ken-Ichi Furukawa, Motonori Tsuji, and Kazuhiro Seya

CELLULAR AND MOLECULAR

Long Noncoding RNA MNX1 antisense RNA 1 Exerts Oncogenic Functions in Bladder Cancer by Regulating miR-218-5p/RAB1A Axis
Jun Wang, Huiwu Xing, Abdul Aziz Nikzad, Bowen Liu, Yu Zhang, Songchao Li, Erwei Zhang, and Zhankui Jia

CHEMOTHERAPY, ANTIBIOTICS, AND GENE THERAPY

A Bicistronic Plasmid Encoding Brain-Derived Neurotrophic Factor and Urokinase Plasminogen Activator Stimulates Peripheral Nerve Regeneration After Injury
Maxim Karagyaur, Alexandra Rostovtseva, Ekaterina Semina, Polina Klimovich, Vadim Balabanyan, Pavel Makarevich, Vladimir Popov, Dmitry Stambolsky, and Vsevolod Tkachuk

DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

A Quantitative Systems Pharmacology Model for the Key Interleukins Involved in Crohn’s Disease
Violeta Balbas-Martinez, Eduardo Asin-Prieto, Zinnia P. Parra-Guillen, and Iñaki F. Troconiz

Relative Selectivity of Covalent Inhibitors Requires Assessment of Inactivation Kinetics and Cellular Occupancy: A Case Study of Ibrutinib and Acalabrutinib
Melissa Hopper, Tarikere Gururaja, Taisei Kinoshita, James P. Dean, Ronald J. Hill, and Ann Mongan

Pharmacologic Characterization of JNJ-42226314, [1-(4-Fluorophenyl)indol-5-yl]-[3-[4-(thiazole-2-carbonyl)piperazin-1-yl]azetidin-1-yl]methanone, a Reversible, Selective, and Potent Monoaoylglycerol Lipase Inhibitor
Ryan M. Wyatt, Ian Fraser, Natalie Welty, Brian Lord, Michelle Wennerholm, Steven Sutton, Michael A. Ameriks, Christine Dugovic, Suojun Yan, Allison White, Leslie Nguyen, Tatiana Koudriakova, Gaochao Tian, Javier Suarez, Lawrence Szewczuk, William Bonnette, Kay Ahn, Brahma Ghosh, Christopher M. Flores, Peter J. Connolly, Bin Zhu, Mark J. Macielag, Michael R. Brandt, Kristen Chevalier, Sai-Po Zhang, Timothy Lovenberg, and Pascal Bonaventure

ENDOCRINE AND DIABETES

A Novel Acetyl-CoA Carboxylase 2 Selective Inhibitor Improves Whole-Body Insulin Resistance and Hyperglycemia in Diabetic Mice through Target-Dependent Pathways
Hiroyuki Takagi, Keiichi Tanimoto, Atsuyuki Shimazaki, Yutaka Tonomura, Sotaro Momosaki, Shingo Sakamoto, Kohji Abe, Mitsuru Notoya, and Hideo Yukioka