HIGHLIGHTED PAPERS

PERSPECTIVES IN PHARMACOLOGY

Anatomically Selective Serotonergic Type 1A and Serotonergic Type 2A Therapies for Parkinson’s Disease: An Approach to Reducing Dyskinesia without Exacerbating Parkinsonism?

Philippe Huot, Susan H. Fox, Adrian Newman-Tancredi, and Jonathan M. Brotchie

BEHAVIORAL PHARMACOLOGY

Facilitation of Hippocampal Synaptogenesis and Spatial Memory by C-Terminal Truncated Nle1-Angiotensin IV Analogs

Caroline C. Benoist, John W. Wright, Mingyan Zhu, Suzanne M. Appleyard, Gary A. Wayman, and Joseph W. Harding

Blockade of Endocannabinoid Hydrolytic Enzymes Attenuates Precipitated Opioid Withdrawal Symptoms in Mice


Patterns of Nicotinic Receptor Antagonism: Nicotine Discrimination Studies

Emily M. Jutkiewicz, Emily A. Brooks, Adam D. Kynaston, Kenner C. Rice, and James H. Woods

CARDIOVASCULAR

A Clopidogrel-Insensitive Inducible Pool of P2Y12 Receptors Contributes to Thrombus Formation: Inhibition by Elinogrel, a Direct-Acting, Reversible P2Y12 Antagonist

Helena Haberstock-Debic, Patrick Andre, Scott Mills, David R. Phillips, and Pamela B. Conley

Chymase Inhibition Reduces Infarction and Matrix Metalloproteinase-9 Activation and Attenuates Inflammation and Fibrosis after Acute Myocardial Ischemia/Reperfusion

Shizu Oyamada, Cesario Bianchi, Shinji Takai, Louis M. Chu, and Frank W. Sellke

Glucocorticoids Improve Renal Responsiveness to Atrial Natriuretic Peptide by Up-Regulating Natriuretic Peptide Receptor-A Expression in the Renal Inner Medullary Collecting Duct in Decompensated Heart Failure

Chao Liu, Ying Chen, Yunxiao Kang, Zhihua Ni, Henning Xia, Jing Guan, and Kunshen Liu

Enhanced Hemeoxygenase Activity in the Rostral Ventrolateral Medulla Mediates Exaggerated Hemin-Evoked Hypotension in the Spontaneously Hypertensive Rat

Noha N. Nassar, Guichu Li, Aurel L. Strat, and Abdel A. Abdel-Rahman

Inhibition of Smooth Muscle Myosin as a Novel Therapeutic Target for Hypertension

Xin Zhao, David Ho, Patricio Abarzua, Sunil K. Dhar, Xi Wang, Zhigeng Jia, Malar Pannirselvam, David J. Morgans, Fady I. Malik, and Stephen F. Vatner
CELLULAR AND MOLECULAR

Role of Vimentin in the Inhibitory Effects of Low-Molecular-Weight Heparin on PC-3M Cell Adhesion to, and Migration through, Endothelium
Yan Pan, Tianluo Lei, Bao Teng, Ji Hong Liu, Jianzhao Zhang, Yu An, Yuan Xiao, Jing Han, Xuexiang Pan, Junhua Wang, Henging Yu, Hong Ren, and Xuejun Li

Influence of Tissue Integrity on Pharmacological Phenotypes of Muscarinic Acetylcholine Receptors in the Rat Cerebral Cortex
Abu Syed Md Anisuzzaman, Atsushi Nishimune, Yukiware Yoshiki, Junsuke Uwada, and Ikunobu Muramatsu

Caffeic Acid 3,4-Dihydroxy-Phenethyl Ester Induces Cancer Cell Senescence by Suppressing Twist Expression
Anliang Dong, Yuanzhang Fang, Li Zhang, Yuan Xie, Xian Wu, Lipeng Zhang, Xiaoyuan Lian, Yi Hua Chen, Jian Luo, and Mingyao Liu

Nonsteroidal Anti-Inflammatory Drug Flufenamic Acid Is a Potent Activator of AMP-Activated Protein Kinase
Yuan Chi, Kai Li, Qiaojing Yan, Shuichi Koizumi, Liyi Shi, Shuhei Takahashi, Ying Zhu, Hiroyuki Matsue, Masayuki Takeda, Masanori Kitamura, and Jian Yao

DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

Regulation of Ingestive Behaviors in the Rat by GSK-1521498, a Novel μ-Opioid Receptor-Selective Inverse Agonist
Diane M. Ignar, Aaron S. Goetz, Kimberly Nichols Noble, Luz Helena Carballo, Andrea E. Stroup, Julie C. Fisher, Joyce A. Boucheron, Tracy A. Brainard, Andrew L. Larkin, Andrea H. Epperly, Todd W. Shearer, Scott D. Sorenson, Jason D. Speake, and Jonathan D. Hommel

Pharmacologic Inhibition of Ghrelin Receptor Signaling Is Insulin Sparing and Promotes Insulin Sensitivity
Kenneth A. Longo, Elizabeth K. Govek, Anna Nolan, Thomas McDonagh, Soratree Charoenthongtrakul, Derek J. Giudiana, Kristen Morgan, Jeffrey Hixson, Chaoseng Zhou, Bruce Kelder, John J. Kopechick, Jeffrey O. Saunders, Manuel A. Nava, Rory Curtis, Peter S. DiStefano, and Brad J. Geddes

Drug Targeting to Monocytes and Macrophages Using Esterase-Sensitive Chemical Motifs

Novel N-1,2-Dihydroxypyropyl Analogs of Lobelane Inhibit Vesicular Monoamine Transporter-2 Function and Methamphetamine-Evoked Dopamine Release
David B. Horton, Kiron B. Siripurapu, Guangrong Zheng, Peter A. Crooks, and Linda P. Dwoskin

AZD9668: Pharmacological Characterization of a Novel Oral Inhibitor of Neutrophil Elastase

ENDOCRINE AND DIABETES

TAK-875, an Orally Available G Protein-Coupled Receptor 40/Fatty Acid Receptor 1 Agonist, Enhances Glucose-Dependent Insulin Secretion and Improves Both Postprandial and Fasting Hyperglycemia in Type 2 Diabetic Rats
Yoshiyuki Tsujita, Ryo Ito, Masami Suzuki, Ayako Harada, Nobuyuki Negoro, Tsuneo Yasuda, Yu Momose, and Koji Takeuchi

GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL

Glycyrhizulin Prevents Liver Injury by Inhibition of High-Mobility Group Box 1 Production by Kupffer Cells after Ischemia-Reperfusion in Rats
Masahito Ogata, Hiroshi Kono, Michio Haruka, Masato Tsuchiya, and Hideki Fujii

Omeprazole Attenuates Hyperoxic Lung Injury in Mice via Aryl Hydrocarbon Receptor Activation and Is Associated with Increased Expression of Cytochrome P4501A Enzymes
Binoi Shivanna, Weixiu Jiang, Li Hua Wang, Xanthi I. Couroucli, and Bhagavatula Moorh I

Signaling in H2O2-Induced Increase in Cell Proliferation in Barrett’s Esophageal Adenocarcinoma Cells
Xiaoyu Zhou, Dan Li, Murray B. Resnick, Jose Behar, Jack Wands, and Weibiao Cao

Thromboxane Prostanoid Receptor Activation Amplifies Airway Stretch-Activated Contractions Assessed in Perfused Intact Bovine Bronchial Segments
Jeremy Mark Hernandez and Luke Jeffrey Janssen

Copper Deficiency Exacerbates Bile Duct Ligation-Induced Liver Injury and Fibrosis in Rats
Ming Song, Zhanxiang Zhou, Theresa Chen, Jingwen Zhang, and Craig J. McClain