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

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

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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
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Binoy Shivanna, Weiwu Jiang, Lihua Wang, Xanthi I. Couroucli, and Bhagavatula Moorathy

Signaling in H2O2-Induced Increase in Cell Proliferation in Barrett’s Esophageal Adenocarcinoma Cells
Xiaoxu 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
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Copper Deficiency Exacerbates Bile Duct Ligation-Induced Liver Injury and Fibrosis in Rats
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S Genetic Variants in Cytosolic 5’-Nucleotidase II Are Associated with Its Expression and Cytarabine Sensitivity in HapMap Cell Lines and in Patients with Acute Myeloid Leukemia

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Antagonist Functional Selectivity: 5-HT_2A Serotonin Receptor Antagonists Differentially Regulate 5-HT_2A Receptor Protein Level In Vivo
Prem N. Yadav, Wesley K. Kroeze, Martilias S. Farrell, and Bryan L. Roth

Varenicline Is a Potent Agonist of the Human 5-Hydroxytryptamine_3 Receptor
S. C. R. Lummis, A. J. Thompson, M. Bencherif, and H. A. Lester

Afobazole Modulates Neuronal Response to Ischemia and Acidosis via Activation of α-1 Receptors
Javier Cuevas, Adam Behensky, Wei Deng, and Christopher Katnik

Afobazole Modulates Microglial Function via Activation of Both α-1 and α-2 Receptors
Javier Cuevas, Alex Rodriguez, Adam Behensky, and Chris Katnik

Patterns of Brain Glucose Metabolism Induced by Phosphodiesterase 10A Inhibitors in the Mouse: A Potential Translational Biomarker
Stefanie Dedeurwaerdere, Cindy Wintmolders, Greet Vanhoof, and Xavier Langlois

Serotonin Transporter Occupancy in Rats Exposed to Serotonin Reuptake Inhibitors In Utero or via Breast Milk
Catherine F. Capello, Chase H. Bourke, James C. Ritchie, Zachary N. Stowe, D. Jeffrey Newport, Amanda Nemeroff, and Michael J. Owens

TOXICOLOGY

Generation and Characterization of a Cyp2f2-Null Mouse and Studies on the Role of CYP2F2 in Naphthalene-Induced Toxicity in the Lung and Nasal Olfactory Mucosa
Lei Li, Yuan Wei, Laura Van Winkle, Qing-Yu Zhang, Xin Zhou, Jinping Hu, Fang Xie, Kerri Kluetzman, and Xinxin Ding

ERRATUM

Correction to “Novel Peptide Antagonists of Adrenomedullin and Calcitonin Gene-Related Peptide Receptors: Identification, Pharmacological Characterization, and Interactions with Position 74 in Receptor Activity-Modifying Protein 1/3”

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

About the cover: Effects of IPT on eosinophil and mast cell infiltration and IL-1β expression in the AR nasal mucosa tissue. See the article by Oh et al. on page 72 of this issue.