MINIREVIEW

Alterations in Brain Neural Network and Stress System in Atopic Dermatitis: Novel Therapeutic Interventions
Yutaka Nakagawa and Shizuo Yamada

CARDIOVASCULAR

The Anti-Inflammatory Effects and Clinical Potential of Dexmedetomidine in Pulmonary Arterial Hypertension
Yohei Yamaguchi, Susumu Hosokawa, Go Haraguchi, Yusuke Kajikawa, Makito Sakurai, Taku Ishii, Noboru Ando, Tomohiro Morio, Shozaburo Doi, and Tetsushi Furukawa

CHEMOTHERAPY, ANTIBIOTICS, AND GENE THERAPY

Exploiting the Receptor-Binding Domains of R-Spondin 1 to Target Leucine-Rich Repeat-Containing G-Coupled Protein Receptor 5-Expressing Stem Cells in Ovarian Cancer
Clara Wong, Maria Carmen Mulero, Erika I. Barth, Katherine Wang, Xiying Shang, Sanika Tikle, Catherine Rice, Dennis Gately, and Stephen B. Howell

DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

Combining SOS1 and MEK Inhibitors in a Murine Model of Plexiform Neurofibroma Results in Tumor Shrinkage
Mark Jackson, Niousha Ahmari, Jianqiang Wu, Tilat A. Rizvi, Elizabeth Fugate, Mi-OK Kim, Eva Dombi, Herbert Arnhof, Guido Boehmelt, Matthias J. Düchs, Clive J. Long, Udo Maier, Francesca Trapani, Marco H. Hofmann, and Nancy Ratner

Heroin- and Fentanyl-Induced Respiratory Depression in a Rat Plethysmography Model: Potency, Tolerance, and Sex Differences

METABOLISM, TRANSPORT, AND PHARMACOCENETICS

Effects of Volatile Anesthetics versus Ketamine on Blood-Brain Barrier Permeability via Lipid-Mediated Alterations of Endothelial Cell Membranes
Behnam Noorani, Ekram Ahmed Chowdhury, Faleh Alqahtani, Yeseul Ahn, Ehsan Nozohouri, Sumah Zoubi, Dhavalkumar Patel, Laurence Wood, Juyang Huang, Muhammad Bilal Siddique, Abrahim Al-Ahmad, Reza Mehrvar, and Ulrich Bickel

NEUROPHARMACOLOGY

Ventral Tegmental Area M5 Muscarinic Receptors Mediate Effort-Choice Responding and Nucleus Accumbens Dopamine in a Sex-Specific Manner
Eric J. Nunes, Nardos Kebede, Joshua L. Haight, Daniel J. Foster, Craig W. Lindsley, P. Jeffrey Conn, and Nii A. Addy

ERRATUM

Correction to “Protein Kinase A–Mediated Effects of Protein Kinase C Partial Agonist 5-(Hydroxymethyl)Isophthalate 1α3 in Colorectal Cancer Cells”

Supplemental material is available at jpet.aspetjournals.org.

About the cover: Speculated signaling pathway in our study. See the article by Yamaguchi et al. (dx.doi.org/10.1124/jpet.122.001399).