SPECIAL ISSUE COMMEMORATING THE 50TH ANNIVERSARY OF MOLECULAR PHARMACOLOGY
GRAEME MILLIGAN AND STUART CULL-CANDY, GUEST EDITORS

The First 50 Years of Molecular Pharmacology
Joan Heller Brown, William A. Catterall, P. Jeffrey Conn, Stuart G. Cull-Candy, Ray Dingledine, T. Kendall Harden, Paul A. Insel, Graeme Milligan, and Stephen F. Traynelis

Structural Basis for Pharmacology of Voltage-Gated Sodium and Calcium Channels
William A. Catterall and Teresa M. Swanson

UDP-Sugars as Extracellular Signaling Molecules: Cellular and Physiologic Consequences of P2Y14 Receptor Activation
Eduardo R. Lazarowski and T. Kendall Harden

EP2 Receptor Signaling Regulates Microglia Death
Yujiao Fu, Myung-Soon Yang, Jianxiong Jiang, Thota Ganesh, Eunhye Joe, and Raymond Dingledine

G Protein–Coupled Receptor and RhoA-Stimulated Transcriptional Responses: Links to Inflammation, Differentiation, and Cell Proliferation
Olivia M. Yu and Joan Heller Brown

G Protein–Coupled Receptor (GPCR) Expression in Native Cells: “Novel” endoGPCRs as Physiologic Regulators and Therapeutic Targets

Molecular Insights into Metabotropic Glutamate Receptor Allosteric Modulation
Karen J. Gregory and P. Jeffrey Conn

Ionotropic GABA and Glutamate Receptor Mutations and Human Neurologic Diseases
Hongjie Yuan, Chian-Ming Low, Olivia A. Moody, Andrew Jenkins, and Stephen F. Traynelis

ANNOUNCEMENT
ASPET Journals Support the National Institutes of Health Principles and Guidelines for Reporting Preclinical Research

ARTICLES

Desformylflustrabromine (dFBr) and [3H]dFBr-Labeled Binding Sites in a Nicotinic Acetylcholine Receptor
Ayman K. Hamouda, Ze-Jun Wang, Deirdre S. Stewart, Atul D. Jain, Richard A. Glennon, and Jonathan B. Cohen

Ligand Selectivity among the Dopamine and Serotonin Transporters Specified by the Forward Binding Reaction
Peter S. Hasenhuetl, Klaus Schicker, Xaver Koenig, Yang Li, Subhodeep Sarker, Thomas Stockner, Sonja Sucic, Harald H. Sitte, Michael Freissmuth, and Walter Sandtner
C-Linker Accounts for Differential Sensitivity of ERG1 and ERG2 K⁺ Channels to RPR260243-Induced Slow Deactivation
Alison Gardner and Michael C. Sanguinetti

Circadian Modulation in the Intestinal Absorption of P-Glycoprotein Substrates in Monkeys
Masaru Iwasaki, Satoru Koyanagi, Norio Suzuki, Chiharu Katamune, Naoya Matsunaga, Nobuaki Watanabe, Masayuki Takahashi, Takashi Izumi, and Shigehiro Ohdo

A Sexual Dimorphism Influences Bicyclol-Induced Hepatic Heat Shock Factor 1 Activation and Hepatoprotection
Xiaosong Chen, Jianjian Zhang, Conghui Han, Huijuan Dai, Xianming Kong, Longmei Xu, Qiang Xia, Ming Zhang, and Jianjun Zhang

Antiobesity Effect of a Small Molecule Repressor of RORγ
Mi Ra Chang, Yuanjun He, Tanya M. Khan, Dana S. Kuruvilla, Ruben Garcia-Ordóñez, Cesar A. Corzo, Thaddeus J. Unger, David W. White, Susan Khan, Li Lin, Michael D. Cameron, Theodore M. Kamenecka, and Patrick R. Griffin

Essential Role of Calmodulin in RyR Inhibition by Dantrolene
Ye Win Oo, Nieves Gomez-Hurtado, Kafa Walweel, Dirk F. van Helden, Mohammad S. Imtiaz, Bjorn C. Knollmann, and Derek R. Laver

CB₁ Knockout Mice Unveil Sustained CB₂-Mediated Antiallodynic Effects of the Mixed CB₁/CB₂ Agonist CP55,940 in a Mouse Model of Paclitaxel-Induced Neuropathic Pain
Liting Deng, Benjamin L. Cornett, Ken Mackie, and Andrea G. Hohmann

Targeted Disruption of Organic Cation Transporter 3 Attenuates the Pharmacologic Response to Metformin
Eugene C. Chen, Xiaomin Liang, Sook Wah Yee, Ethan G. Geier, Sophie L. Stocker, Ligong Chen, and Kathleen M. Giacomini

ATP-Binding Cassette Transporter Structure Changes Detected by Intramolecular Fluorescence Energy Transfer for High-Throughput Screening
Surtaj H. Iram, Simon J. Gruber, Olga N. Raguimova, David D. Thomas, and Seth L. Robia

Characterization of Thrombin-Bound Dabigatran Effects on Protease-Activated Receptor-1 Expression and Signaling In Vitro
Buxin Chen, Antonio G. Soto, Luisa J. Coronel, Ashley Goss, Joanne van Ryn, and JoAnn Trejo

Estrogen-Induced Cholestasis Leads to Repressed CYP2D6 Expression in CYP2D6-Humanized Mice
Xian Pan and Hyunyoung Jeong

The ClC-7 Chloride Channel Is Downregulated by Hypoosmotic Stress in Human Chondrocytes
Takashi Kurita, Hisao Yamamura, Yoshiaki Suzuki, Wayne R. Giles, and Yuji Imaizumi

KU675, a Concomitant Heat-Shock Protein Inhibitor of Hsp90 and Hsc70 that Manifests Isoform Selectivity for Hsp90α in Prostate Cancer Cells
Weiya Liu, George A. Vielhauer, Jeffrey M. Holzbeierlein, Huiping Zhao, Suman Ghosh, Douglas Brown, Eugene Lee, and Brian S. J. Blagg

The Pore Loop Domain of TRPV1 Is Required for Its Activation by the Volatile Anesthetics Chloroform and Isoflurane
Corinna Kimball, Jialie Luo, Shi Jin, Hongzhen Hu, and Ajay Dhaka

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