MINIREVIEW
Tristetraprolin and Its Role in Regulation of Airway Inflammation
Pavan Prabhala and Alaina J. Ammit

ARTICLES
Structural Domains Underlying the Activation of Acid-Sensing Ion Channel 2a
Laura-Nadine Schuhmacher, Shyam Srivats, and Ewan St. John Smith

Dehydrocreнатidine Is a Novel Janus Kinase Inhibitor
Jing Zhang, Ning Zhu, Yuping Du, Qifeng Bai, Xing Chen, Jing Nan, Xiaodong Qin, Xinxin Zhang, Jianwen Hou, Qin Wang, and Jinbo Yang

Repression of the Nuclear Receptor Small Heterodimer Partner by Steatotic Drugs and in Advanced Nonalcoholic Fatty Liver Disease
Marta Benet, Carla Guzmán, Sandra Pisonero-Vaquero, M. Victoria García-Mediavilla, Sonia Sánchez-Campos, M. Luz Martínez-Chantar, M. Teresa Donato, José Vicente Castell, and Ramiro Jover

Rapid Throughput Analysis Demonstrates that Chemicals with Distinct Seizurogenic Mechanisms Differentially Alter Ca^{2+} Dynamics in Networks Formed by Hippocampal Neurons in Culture
Zhengyu Cao, Xiaohan Zou, Yanjun Cui, Susan Hulsizer, Pamela J. Lein, Heike Wulff, and Isaac N. Pessah

Identification and Characterization of a Selective Allosteric Antagonist of Human P2X4 Receptor Channels
Ariel R. Ase, Nicolette S. Honson, Helmi Zaghdane, Tom A. Pfeifer, and Philippe Séguéla

Transient Receptor Potential Melastatin-3 (TRPM3)–Induced Activation of AP-1 Requires Ca^{2+} Ions and the Transcription Factors c-Jun, ATF2, and Ternary Complex Factor
Andrea Lesch, Xin Hui, Peter Lipp, and Gerald Thiel

Pharmacological Characterization of \(^{3}H\)VUF11211, a Novel Radiolabeled Small-Molecule Inverse Agonist for the Chemokine Receptor CXCR3

Structural and Biophysical Characterization of Human Cytochromes P450 2B6 and 2A6 Bound to Volatile Hydrocarbons: Analysis and Comparison
Manish B. Shah, P. Ross Wilderman, Jingbao Liu, Hyun-Hee Jang, Qinghai Zhang, C. David Stout, and James R. Halpert

Native Serotonin 5-HT_{2C} Receptors Are Expressed as Homodimers on the Apical Surface of Choroid Plexus Epithelial Cells
Katharine Herrick-Davis, Ellinor Grinde, Tara Lindsley, Milt Teitler, Filippo Mancia, Ann Cowan, and Joseph E. Mazurkiewicz

SLC13A5 Is a Novel Transcriptional Target of the Pregnane X Receptor and Sensitizes Drug-Induced Steatosis in Human Liver
Linhao Li, Haishan Li, Brandy Garzel, Hui Yang, Tatsuya Sueyoshi, Qing Li, Yan Shu, Junran Zhang, Bingfang Hu, Scott Heyward, Timothy Moeller, Wen Xie, Masahiko Negishi, and Hongbing Wang
A Renal-Like Organic Anion Transport System in the Ciliary Epithelium of the Bovine and Human Eye
Jonghwa Lee, Mohammad Shahidullah, Adam Hotchkiss, Miguel Coca-Prados, Nicholas A. Delamere, and Ryan M. Pelis

A G Protein–Coupled Receptor Dimer Imaging Assay Reveals Selectively Modified Pharmacology of Neuropeptide Y Y1/Y5 Receptor Heterodimers
Laura E. Kilpatrick, Laura J. Humphrys, and Nicholas D. Holliday

Cytochrome b$_5$ Is a Major Determinant of Human Cytochrome P450 CYP2D6 and CYP3A4 Activity In Vivo
Colin J. Henderson, Lesley A. McLaughlin, Nico Scheer, Lesley A. Stanley, and C. Roland Wolf

Detection of New Biased Agonists for the Serotonin 5-HT$_2A$ Receptor: Modeling and Experimental Validation
Maria Martí-Solano, Alba Iglesias, Gianni de Fabritiis, Ferran Sanz, José Brea, M. Isabel Loza, Manuel Pastor, and Jana Selent

Cannabinoid Receptor–Interacting Protein 1a Modulates CB$_1$ Receptor Signaling and Regulation
Tricia H. Smith, Lawrence C. Blume, Alex Straiker, Jordan O. Cox, Bethany G. David, Julie R. Secor McVoy, Katherine W. Sayers, Justin L. Poklis, Rehab A. Abdullah, Michaela Egertová, Ching-Kang Chen, Ken Mackie, Maurice R. Elphick, Allyn C. Howlett, and Dana E. Selley

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

About the cover: Analysis of the dynamic binding profile of known biased and balanced ligands. See the article by Martí-Solano et al. (dx.doi.org/10.1124/mol.114.097022).