Perspective

The Highs and Lows of Cannabinoid Receptor Expression in Disease: Mechanisms and Their Therapeutic Implications
Lydia K. Miller and Lakshmi A. Devi

IUPHAR Nomenclature Reports

International Union of Basic and Clinical Pharmacology, LXXXIII: Classification of Prostanoid Receptors, Updating 15 Years of Progress
D. F. Woodward, R. L. Jones, and S. Narumiya

International Union of Basic and Clinical Pharmacology, LXXXIV: Leukotriene Receptor Nomenclature, Distribution, and Pathophysiological Functions
Magnus Bäck, Sven-Erik Dahlén, Jeffrey M. Drazen, Jilly F. Evans, Charles N. Serhan, Takao Shimizu, Takehiko Yokomizo, and G. Enrico Rovati

Review Articles

SLC6 Neurotransmitter Transporters: Structure, Function, and Regulation
Anders S. Kristensen, Jacob Andersen, Trine N. Jørgensen, Lena Sørensen, Jacob Eriksen, Claus J. Løland, Kristian Strømgaard, and Ulrik Gether

Activation and Regulation of Purinergic P2X Receptor Channels
Claudio Coddou, Zonghe Yan, Tomas Obsil, J. Pablo Huidobro-Toro, and Stanko S. Stojilkovic

Orphans in the Human Cytochrome P450 Superfamily: Approaches to Discovering Functions and Relevance in Pharmacology
F. Peter Guengerich and Qian Cheng

Endoplasmic Reticulum Ca2+ Handling in Excitable Cells in Health and Disease
Grace E. Stutzmann and Mark P. Mattson

Regulators of G-Protein Signaling and Their Gα Substrates: Promises and Challenges in Their Use as Drug Discovery Targets
Adam J. Kimple, Dustin E. Bosch, Patrick M. Giguère, and David P. Siderovski

Prodrugs—from Serendipity to Rational Design
Kristiina M. Huttunen, Hannu Raunio, and Jarkko Rautio

Exploring the Neuroimmunopharmacology of Opioids: An Integrative Review of Mechanisms of Central Immune Signaling and Their Implications for Opioid Analgesia
Mark R. Hutchinson, Yehuda Shavit, Peter M. Grace, Kenner C. Rice, Steven F. Maier, and Linda R. Watkins

About the cover: The structural mechanism of transport employed by the SLC6 neurotransmitter transporters, developed from X-ray crystal structures of bacterial SLC6 homologs. See the article by Kristensen et al. on p. 585 of this issue. (Adapted from Fig. 8.)