IUPHAR Nomenclature Report

International Union of Basic and Clinical Pharmacology. LXXXVI. Orexin Receptor Function, Nomenclature and Pharmacology

Anthony L. Gotter, Andrea L. Webber, Paul J. Coleman, John J. Renger, and Christopher J. Winrow

Review Articles

Organic Anion Transporters and Their Implications in Pharmacotherapy
Arian Emami Riedmaier, Anne T. Nies, Elke Schaeffeler, and Matthias Schwab

Pharmacology and Therapeutics of Bronchodilators
Mario Cazzola, Clive P. Page, Luigino Calzetta, and M. Gabriella Matera

Physical and Chemical Strategies for Therapeutic Delivery by Using Polymeric Nanoparticles
José M. Morachis, Enas A. Mahmoud, and Adah Almutairi

Aldehyde Dehydrogenase Inhibitors: A Comprehensive Review of the Pharmacology, Mechanism of Action, Substrate Specificity, and Clinical Application
Vindhya Koppaka, David C. Thompson, Ying Chen, Manuel Ellermann, Kyriacos C. Nicolaou, Risto O. Juvonen, Dennis Petersen, Richard A. Deitrich, Thomas D. Hurley, and Vasilis Vasililiou

Molecular Mechanisms Regulating the Vascular Prostacyclin Pathways and Their Adaptation during Pregnancy and in the Newborn
Batoule H. Majed and Raouf A. Khalil

The Pharmacological Treatment of Pulmonary Arterial Hypertension
Lyn R. Frumkin

Pharmacology for the Treatment of Premature Ejaculation
François Giuliano and Pierre Clément

G-Protein-Coupled Receptors in Adult Neurogenesis
Van A. Doze and Dianne M. Perez

Classification, Functions, and Clinical Relevance of Extracellular Vesicles
Edwin van der Pol, Anita N. Boëng, Paul Harrison, Auguste Stark, and Rienk Nieuwland

Cisplatin Resistance: A Cellular Self-Defense Mechanism Resulting from Multiple Epigenetic and Genetic Changes
Ding-Wu Shen, Lynn M. Pouliot, Matthew D. Hall, and Michael M. Gottesman

Human Experimental Pain Models for Assessing the Therapeutic Efficacy of Analgesic Drugs
Anne Estrup Olesen, Trine Andresen, Camilla Staahl, and Asbjørn Mohr Drewes

Thinking Outside the Cleft to Understand Synaptic Activity: Contribution of the Cystine-Glutamate Antiporter (System x̌c) to Normal and Pathological Glutamatergic Signaling
Richard Bridges, Victoria Latgen, Doug Lohrner, and David A. Baker

The Dual Role of Pharmacogenomics in HIV Treatment: Mutations and Polymorphisms Regulating Antiretroviral Drug Resistance and Disposition
Veronique Michaud, Tamara Bar-Magen, Jacques Turgeon, David Flockhart, Zeruesenay Desta, and Mark A. Wainberg

About the cover: Types of therapeutic payloads that can be encapsulated into polymeric nanoparticles. See the article by Morachis et al. on page 505 of this issue.