IUPHAR Nomenclature Report
International Union of Pharmacology LVIII: Update on the P2Y G Protein-Coupled Nucleotide Receptors: From Molecular Mechanisms and Pathophysiology to Therapy
Maria P. Abbracchio, Geoffrey Burnstock, Jean-Marie Boeynaems, Eric A. Barnard, José L. Boyer, Charles Kennedy, Gillian E. Knight, Marta Fumagalli, Christian Gachet, Kenneth A. Jacobson, and Gary A. Weisman

Review Articles
Functionally Defective High-Density Lipoprotein: A New Therapeutic Target at the Crossroads of Dyslipidemia, Inflammation, and Atherosclerosis
Anatol Kontush and M. John Chapman

Eicosanoid Transcellular Biosynthesis: From Cell-Cell Interactions to in Vivo Tissue Responses
Giancarlo Folco and Robert C. Murphy

The Endocannabinoid System as an Emerging Target of Pharmacotherapy
Pál Pacher, Sándor Bátkai, and George Kunos

The Lipoxin Receptor ALX: Potent Ligand-Specific and Stereoselective Actions in Vivo
Nan Chiang, Charles N. Serhan, Şven-Erik Dahlén, Jeffrey M. Drazen, Douglas W. P. Hay, G. Enrico Rovati, Takao Shimizu, Takehiko Yokomizo, and Charles Brink

Cyclic Nucleotide Phosphodiesterases: Molecular Regulation to Clinical Use
Andrew T. Bender and Joseph A. Beavo

Pharmacogenetics, Drug-Metabolizing Enzymes, and Clinical Practice
Sharon J. Gardiner and Evan J. Begg

Inhibitors of Brain Phospholipase A2 Activity: Their Neuropharmacological Effects and Therapeutic Importance for the Treatment of Neurologic Disorders
Akhlaq A. Farooqui, Wei-Yi Ong, and Lloyd A. Horrocks

Theoretical Basis, Experimental Design, and Computerized Simulation of Synergism and Antagonism in Drug Combination Studies
Ting-Chao Chou

Erratum
Correction to “Therapeutic Targets: Progress of Their Exploration and Investigation of Their Characteristics”
C. J. Zheng, L. Y. Han, C. W. Yap, Z. L. Ji, Z. W. Cao, and Y. Z. Chen

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

About the cover: Mechanisms involved in HDL raising by niacin. See the article by Kontush and Chapman on page 342 of this issue.