Review Articles

Purinergic Signaling in the Airways
Geoffrey Burnstock, Inge Brouns, Dirk Adriaensen, and Jean-Pierre Timmermans

Insights into the Neurobiology of the Nicotinic Cholinergic System and Nicotine Addiction from Mice Expressing Nicotinic Receptors Harboring Gain-of-Function Mutations
Ryan M. Drenan and Henry A. Lester

Diabetic Peripheral Neuropathy: Should a Chaperone Accompany Our Therapeutic Approach?
Kevin L. Farmer, Chengyuan Li, and Rick T. Dobrowsky

Unraveling the Time Domains of Corticosteroid Hormone Influences on Brain Activity: Rapid, Slow, and Chronic Modes
Marian Joels, R. Angela Sarabjitsingh, and Henk Karst

Unraveling the Mystery of Capsaicin: A Tool to Understand and Treat Pain
Jessica O’Neill, Christina Brock, Anne Estrup Olesen, Trine Andresen, Matias Nilsson, and Anthony H. Dickenson

Synthetic Oleanane Triterpenoids: Multifunctional Drugs with a Broad Range of Applications for Prevention and Treatment of Chronic Disease
Karen T. Liby and Michael B. Sporn

Tumor Necrosis Factor-Induced Cerebral Insulin Resistance in Alzheimer’s Disease Links Numerous Treatment Rationales
Ian Clark, Craig Atwood, Richard Bowen, Gilberto Paz-Filho, and Bryce Vissel

Inhibition of PI3K Signaling Spurs New Therapeutic Opportunities in Inflammatory/Autoimmune Diseases and Hematological Malignancies
John G. Foster, Matthew D. Blunt, Edward Carter, and Stephen G. Ward

Molecular Basis of Electrophilic and Oxidative Defense: Promises and Perils of Nrf2
Qiang Ma and Xiaoqing He

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

About the cover: Models of Nrf2 regulation. See the article by Ma and He on page 1055 of this issue.