

PHARMACOLOGICAL REVIEWS

A Publication of the American Society for Pharmacology and Experimental Therapeutics

October 2012

Volume 64, Number 4

Review Articles

- Purinergic Signaling in the Airways 834
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 869
Ryan M. Drenan and Henry A. Lester
- Diabetic Peripheral Neuropathy: Should a Chaperone Accompany Our Therapeutic Approach? 880
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 901
Marian Joëls, R. Angela Sarabdjitsingh, and Henk Karst
- Unravelling the Mystery of Capsaicin: A Tool to Understand and Treat Pain 939
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 972
Karen T. Liby and Michael B. Sporn
- Tumor Necrosis Factor-Induced Cerebral Insulin Resistance in Alzheimer's Disease Links Numerous Treatment Rationales 1004
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 1027
John G. Foster, Matthew D. Blunt, Edward Carter, and Stephen G. Ward
- Molecular Basis of Electrophilic and Oxidative Defense: Promises and Perils of Nrf2 1055
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.