Review Articles

A Modern Understanding of the Traditional and Nontraditional Biological Functions of Angiotensin-Converting Enzyme


CC Chemokine Receptors and Chronic Inflammation—Therapeutic Opportunities and Pharmacological Challenges

Gemma E. White, Asif J. Iqbal, and David R. Greaves

Homeoprotein Signaling in Development, Health, and Disease: A Shaking of Dogmas Offers Challenges and Promises from Bench to Bed

Julien Spatazza, Elizabeth Di Lullo, Alain Joliot, Edmond Dupont, Kenneth L. Moya, and Alain Prochiantz

Therapeutic Potential of Mood Stabilizers Lithium and Valproic Acid: Beyond Bipolar Disorder

Chi-Tso Chiu, Zhifei Wang, Joshua G. Hunsberger, and De-Maw Chuang

The Flinders Sensitive Line Rat Model of Depression—25 Years and Still Producing

David H. Overstreet and Gregers Wegener

Integrating Optogenetic and Pharmacological Approaches to Study Neural Circuit Function: Current Applications and Future Directions

Garret D. Stuber and Alex O. Mason

The Pharmacology of l-DOPA-Induced Dyskinesia in Parkinson’s Disease

Philippe Huot, Tom H. Johnston, James B. Koprich, Susan H. Fox, and Jonathan M. Brotchie

Regulation of μ-Opioid Receptors: Desensitization, Phosphorylation, Internalization, and Tolerance

John T. Williams, Susan L. Ingram, Graeme Henderson, Charles Chavkin, Mark von Zastrow, Stefan Schulz, Thomas Koch, Christopher J. Evans, and MacDonald J. Christie

Individual Differences and Social Influences on the Neurobehavioral Pharmacology of Abused Drugs

M. T. Bardo, J. L. Neisewander, and T. H. Kelly

Targeted Drug Delivery to Treat Pain and Cerebral Hypoxia

Patrick T. Ronaldson and Thomas P. Davis

Strategies to Address Low Drug Solubility in Discovery and Development

Hywel D. Williams, Natalie L. Trevaskis, Susan A. Charman, Ravi M. Shanker, William N. Charman, Colin W. Pouton, and Christopher J. H. Porter

IUPHAR Nomenclature Report

International Union of Pharmacology. LXXXVII. Complement Peptide C5a, C4a, and C3a Receptors

Andreas Klos, Elisabeth Wende, Kathryn J. Wareham, and Peter N. Monk

Erratum

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About the cover: Pairings between individual chemokine receptors and their chemokine ligands. Please see article by White et al. on page 47 of this issue.