IUPHAR Nomenclature Report

International Union of Pharmacology. LXXXIX. Update on the Extended Family of Chemokine Receptors and Introducing a New Nomenclature for Atypical Chemokine Receptors

Francoise Bachelerie, Adit Ben-Baruch, Amanda M. Burkhardt, Christophe Combadiere, Joshua M. Farber, Gerard J. Graham, Richard Horuk, Alexander Hovard Sparre-Ulrich, Massimo Locati, Andrew D. Luster, Alberto Mantovani, Kouji Matsushima, Philip M. Murphy, Robert Nibbs, Hisayuki Nomiyama, Christine A. Power, Amanda E. I. Proudfoot, Mette M. Rosenkilde, Antal Rot, Silvano Sozzani, Marcus Thelen, Osamu Yoshie, and Albert Zlotnik

Review Articles

Neuroinflammation and Comorbidity of Pain and Depression
A. K. Walker, A. Kavelaars, C. J. Heijnen, and R. Dantzer

Purinergic Signaling and Blood Vessels in Health and Disease
Geoffrey Burnstock and Vera Ralevic

Psychostimulants and Cognition: A Continuum of Behavioral and Cognitive Activation
Suzanne Wood, Jennifer R. Sage, Tristan Shuman, and Stephan G. Anagnostaras

The Molecular Basis for the Pharmacokinetics and Pharmacodynamics of Curcumin and Its Metabolites in Relation to Cancer
Michal Heger, Rowan F. van Golen, Mans Broekgaarden, and Martin C. Michel

Cardiac Alpha1-Adrenergic Receptors: Novel Aspects of Expression, Signaling Mechanisms, Physiologic Function, and Clinical Importance
Timothy D. O’Connell, Brian C. Jensen, Anthony J. Baker, and Paul C. Simpson

Computational Methods in Drug Discovery
Gregory Sliwoski, Sandeepkumar Kothiwale, Jens Meiler, and Edward W. Lowe Jr.

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

About the cover: Alpha1-adrenergic receptors are cardioprotective, and alpha1-adrenergic agonists represent a potentially novel therapeutic strategy in heart failure. Illustration by Megan O’Connell, University of Minnesota. In this issue, see article by O’Connell et al. (dx.doi.org/10.1124/pr.112.007203).