

PHARMACOLOGICAL REVIEWS

A Publication of the American Society for Pharmacology and Experimental Therapeutics

April 2015

Volume 67, Number 2

IUPHAR Nomenclature Reports

International Union of Basic and Clinical Pharmacology. XCIII. The Parathyroid Hormone Receptors—Family B G Protein–Coupled Receptors 310
Thomas J. Gardella and Jean-Pierre Vilaradaga

International Union of Basic and Clinical Pharmacology. XCIV. Adhesion G Protein–Coupled Receptors 338
Jörg Hamann, Gabriela Aust, Demet Araç, Felix B. Engel, Caroline Formstone, Robert Fredriksson, Randy A. Hall, Breanne L. Harty, Christiane Kirchoff, Barbara Knapp, Arunkumar Krishnan, Ines Liebscher, Hsi-Hsien Lin, David C. Martinelli, Kelly R. Monk, Miriam C. Peeters, Xianhua Piao, Simone Prömel, Torsten Schöneberg, Thue W. Schwartz, Kathleen Singer, Martin Stacey, Yuri A. Ushkaryov, Mario Vallon, Uwe Wolfrum, Mathew W. Wright, Lei Xu, Tobias Langenhan, and Helgi B. Schiöth

International Union of Basic and Clinical Pharmacology. XCV. Recent Advances in the Understanding of the Pharmacology and Biological Roles of Relaxin Family Peptide Receptors 1–4, the Receptors for Relaxin Family Peptides 389
Michelle L. Halls, Ross A. D. Bathgate, Steve W. Sutton, Thomas B. Dschietzig, and Roger J. Summers

International Union of Basic and Clinical Pharmacology. XCVI. Pattern Recognition Receptors in Health and Disease 462
Clare E. Bryant, Selinda Orr, Brian Ferguson, Martyn F. Symmons, Joseph P. Boyle, and Tom P. Monie

Review Articles

The Aryl Hydrocarbon Receptor in Barrier Organ Physiology, Immunology, and Toxicology 259
Charlotte Esser and Agneta Rannug

Cytokines as Therapeutic Targets in Rheumatoid Arthritis and Other Inflammatory Diseases 280
Stefan Siebert, Alexander Tsoukas, Jamie Robertson, and Iain McInnes

Stem Cell–Derived Nodal-Like Cardiomyocytes as a Novel Pharmacologic Tool: Insights from Sinoatrial Node Development and Function 368
Andrea Barbuti and Richard B. Robinson

The Great Escape; the Hallmarks of Resistance to Antiangiogenic Therapy 441
Judy R. van Beijnum, Patrycja Nowak-Sliwinska, Elisabeth J. M. Huijbers, Victor L. Thijssen, and Arjan W. Griffioen

About the cover: Schematic summary of innate signalling pathway components and filaments. See the article by Bryant et al. ([dx.doi.org/10.1124/pr.114.009928](https://doi.org/10.1124/pr.114.009928)).