IUPHAR Nomenclature Report
International Union of Basic and Clinical Pharmacology. LXXXV: Calcium-Activated Chloride Channels
Fen Huang, Xiuming Wong, and Lily Y. Jan

Review Articles
The Blood-Testis Barrier and Its Implications for Male Contraception
C. Yan Cheng and Dolores D. Mruk

Therapeutic Implications for Striatal-Enriched Protein Tyrosine Phosphatase (STEP) in Neuropsychiatric Disorders

Genome-Environment Interactions That Modulate Aging: Powerful Targets for Drug Discovery
João Pedro de Magalhães, Daniel Wuttke, Shona H. Wood, Michael Plank, and Chintan Vora

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Patrizia Gazzerro, Maria Chiara Proto, Giuseppina Gangemi, Anna Maria Malfitano, Elena Ciaglia, Simona Pisanti, Antonietta Santoro, Chiara Laezza, and Maurizio Bifulco

 Arylamine N-Acetyltransferase 1: A Novel Drug Target in Cancer Development
Neville J. Butcher and Rodney F. Minchin

Targeting Sirtuin 1 to Improve Metabolism: All You Need Is NAD+?
Carles Cantó and Johan Auwerx

About the cover: Model depicting how the tyrosine phosphatase STEP regulates key signaling proteins involved in synaptic plasticity. Dysregulation of STEP is implicated in diverse neuropsychiatric disorders. See article by Goebel-Goody et al. on page 65 of this issue.