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G Protein-Coupled Receptor Pharmacology—Insights from Mass Spectrometry
Hsin-Yung Yen, Ali Jazayeri, and Carol V. Robinson

Turn On, Tune In, Turnover! Target Biology Impacts In Vivo Potency, Efficacy, and Clearance
Johan Gabrielson and Stephan Hjorth

Time to Change: A Systems Pharmacology Approach to Disentangle Mechanisms of Drug-Induced Mitochondrial Toxicity
Charlotte A. Hoogstraten, Jonathan J. Lyon, Jan A.M. Smeitink, Frans G.M. Ruxel, and Tom J.J. Schirris

Pharmacological Inhibition of the NLRP3 Inflammasome: Structure, Molecular Activation, and Inhibitor-NLRP3 Interaction
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Sulfotransferase 2B1b, Sterol Sulfonation, and Disease
Ian Cook and Thomas S. Leyh

Understanding the Neural Mechanisms of General Anesthesia from Interaction with Sleep–Wake State: A Decade of Discovery
Wei-Wei Bao, Shan Jiang, Wei-Min Qu, Wen-Xian Li, Chang-Hong Miao, and Zhi-Li Huang

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

About the cover: “Binding of MCC950 and analog inhibitor in human NLRP3 and NLRP3 NACHT.” See the article by Ma (dx.doi.org/10.1124/pharmrev.122.000629).