

Book Reviews

Annual Review of Pharmacology and Toxicology. Volume 47. Edited by Arthur K. Cho, Terrence F. Blaschke, Paul A. Insel, and Horace H. Loh. Annual Reviews Inc., Palo Alto, CA. 2007. x + 775 pp. 15.5 × 23.5 cm. ISBN 978-0-8243-0447-8. \$80.00.

This 47th volume in the series contains 24 reviews covering a number of topics in pharmacology and toxicology. Each of the reviews contains extensive references, and several reviews contain highlights in the reference section denoting key references. Each of the reviews is likely to be of great interest to medicinal chemists working in that field. Reviews of particular interest to medicinal chemists are Allosteric Modulation of G-Protein-Coupled Receptors; Pharmacogenomic and Structural Analysis of Constitutive G-Protein-Coupled Receptor Activity; AMP-Activated Protein Kinase as a Drug Target; Drug Targeting to the Brain; Mechanism-Based Pharmacokinetic–Pharmacodynamic Modeling: Biophase Distribution, Receptor Theory, and Dynamical Systems Analysis; mTOR Pathway as a Target for Tissue Hypertrophy; Diseases Caused by Defects in the

Visual Cycle: Retinoids as Potential Therapeutic Agents; Non-nicotinic Therapies for Smoking Cessation; The Obesity Epidemic: Current and Future Pharmacological Treatments; and Targeting Antioxidants to the Mitochondria by Conjugation to Lipophilic Cations.

This volume also contains cumulative indices of the contributing authors and chapter titles for volumes 43–47. The chapter title index is particularly useful because the chapters are grouped by general topics in pharmacology and toxicology. The reviews in volume 47 are well written and timely, and the volume is an excellent addition to the long-running series.

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JM078011R

10.1021/jm078011r