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The Emerging Role of the Innate Immune Response in Idiosyncratic Drug Reactions
Samantha Christine Sernoskie, Alison Jee, and Jack Paul Uetrecht

Unlocking G-Quadruplexes as Antiviral Targets
Ardavan Abiri, Marc Lavigne, Masoud Rezaei, Sanaz Nikzad, Peyman Zare, Jean-Louis Mergny, and Hamid-Reza Rahimi

Endothelial Dysfunction in Atherosclerotic Cardiovascular Diseases and Beyond: From Mechanism to Pharmacotherapies
Suowen Xu, Iqra Ilyas, Peter J. Little, Hong Li, Danielle Kamato, Xueying Zheng, Sihui Luo, Zhuoming Li, Peiqing Liu, Jihong Han, Ian C. Harding, Eno E. Ebong, Scott J. Cameron, Alastair G. Stewart, and Jianping Weng

Pharmaceutical Inhibition of the Nod-Like Receptor Family Pyrin Domain Containing 3 Inflammasome with MCC950
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New Aspects of Diabetes Research and Therapeutic Development
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The Molecular Biology of Phosphodiesterase 4 Enzymes as Pharmacological Targets: An Interplay of Isoforms, Conformational States, and Inhibitors
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Animal Models of Drug Relapse and Craving after Voluntary Abstinence: A Review
Ida Fredriksson, Marco Venniro, David J. Reiner, Jonathan J. Chow, Jennifer M. Bossert, and Yavin Shaham

Aiding and Abetting Anhedonia: Impact of Inflammation on the Brain and Pharmacological Implications
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Therapeutic Targeting of α7 Nicotinic Acetylcholine Receptors
Roger L. Papke, and Nicole A. Horenstein

Aldo-Keto Reductases and Cancer Drug Resistance
Trevor M. Penning, Sravan Jonnalagadda, Paul C. Trippier, and Tea Lanišnik Rižner

About the cover: Four main potential applications of G4s in antiviral research. See the article by Abiri et al. (dx.doi.org/10.1124/pharmrev.120.000230).