Review Articles

REBUS and the Anarchic Brain: Toward a Unified Model of the Brain Action of Psychedelics

R. L. Carhart-Harris and K. J. Friston

The Purinergic System as a Pharmacological Target for the Treatment of Immune-Mediated Inflammatory Diseases

Luca Antonioli, Corrado Blandizzi, Pál Pacher, and György Haskó

5-HT3 Receptor Antagonists in Neurologic and Neuropsychiatric Disorders: The Iceberg Still Lies beneath the Surface

Gohar Fakhfouri, Reza Rahimian, Jonas Dyhrfjeld-Johnsen, Mohammad Reza Zirak, and Jean-Martin Beaulieu

Cognitive Effects of MDMA in Laboratory Animals: A Systematic Review Focusing on Dose

Madeline M. Pantoni and Stephan G. Anagnostaras

About the cover: The schematics on the top row depict brain organization in psychopathologies such as depression in which high-level priors (e.g. instantiated by the default-mode network) are over-weighted (thick top-down arrow) causing a suppression of and insensitivity to bottom-up signalling (e.g. stemming from the limbic system). The bottom row depicts brain organization under a psychedelic. See the article by Carhart-Harris and Friston. (dx.doi.org/10.1124/pr.118.017160)