Review Articles

Modulating Dopamine Signaling and Behavior with Chemogenetics: Concepts, Progress, and Challenges
Annika Højrup Runegaard, Ciarán Martin Fitzpatrick, David Paul Drucker Woldbye, Jesper Tobias Andreasen, Andreas Tøft Sørensen, and Ulrik Gether

Target Site Delivery and Residence of Nanomedicines: Application of Quantitative Systems Pharmacology
Jessie L.-S. Au, Roberto A. Abbiati, M. Guillaume Wientjes, and Ze Lu

A Practical Review of Proteasome Pharmacology
Tiffany A. Thibaudeau and David M. Smith

Gut Reactions: Breaking Down Xenobiotic–Microbiome Interactions
Gerard Clarke, Kiran V. Sandhu, Brendan T. Griffin, Timothy G. Dinan, John F. Cryan, and Niall P. Hyland

Core Outcome Measures in Preclinical Assessment of Candidate Analgesics
S. Stevens Negus

Biased Receptor Signaling in Drug Discovery
Terry Kenakin

About the cover: Stress and the gut microbiome. See the article by Clarke et al. (dx.doi.org/10.1124/pr.118.015768)