Special Issue

The Role of Opioid Peptides in Psychostimulant Addiction

Message from the Guest Editor

Opioid peptides are found in the central nervous system and peripheral nervous system and have long been implicated in the modulation of pain, the regulation of the stress response, feeding, motivated behaviors, etc. Opioid peptides have also been known to regulate the activity of the mesolimbic dopaminergic neurons that are associated with the rewarding and reinforcing actions of addictive drugs. Accumulating evidence suggests that opioid peptides are also involved in the rewarding and reinforcing actions of amphetamine and cocaine. A comprehensive review of the role of each opioid peptide in the rewarding and reinforcing actions of amphetamine and cocaine is essential. This research topic focuses on the role of opioid peptides in the rewarding and reinforcing actions of psychostimulants as well as negative affective states, such as anxiety, depression, and anhedonia, which are associated with withdrawal from such reinforcers. This research topic is also expected to establish a link between opioid peptides and the development of psychostimulant addiction and other neuropsychiatric disorders associated with the continued use of these drugs as well as following their withdrawal.

Guest Editor

Prof. Dr. Kabirullah Lutfy

Department of Pharmaceutical Sciences, College of Pharmacy, Western University of Health Sciences, Pomona, CA 91766, USA

Deadline for manuscript submissions

closed (25 February 2020)

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/32091

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/brainsci

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/journal/brainsci

MDPI

About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYNDEX, PsycInfo, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.