

Special Issue

Medicinal Chemistry and Pharmacological Activities of Opioid Drugs

Message from the Guest Editors

We invite authors to contribute original articles focusing on research work in humans and experimental animals that (1) defines what physiological systems driving cardiorespiratory function are modulated/compromised by opioids and/or their metabolites (2) defines the receptor (opioid, non-opioid) systems and intracellular signaling pathways by which opioids affect cardiorespiratory systems (3) describes how drugs such as cocaine, methamphetamine and diazepam influence the efficacy of opioids, and (4) describes novel therapeutic strategies to prevent/reverse opioid-induced cardiorespiratory collapse involving new drug entities or the repurposing existing drugs. Studies describing the influence of sex, genetics and age in all of the above topics is encouraged.

Minireviews/research studies describing the current status/effectiveness of opioid receptor antagonists alone or in combination with drugs of misuse/abuse are encouraged. Finally, basic or clinical evidence as to whether the pharmacological effects of opioids are altered as a result of common diseases or infections with viruses such as COVID-19 are most welcome.

Guest Editors

Prof. Dr. Stephen J. Lewis

Department of Pediatrics, Department of Pharmacology, and Functional Electrical Stimulation Center, School of Medicine, Case Western Reserve University, Cleveland, OH 44106, USA

Dr. Aidan Hampson

Clinical Research Grants Branch (CRGB), Division of Therapeutics & Medical Consequences, National Institute on Drug Abuse (NIDA), Rockville, MD 20850, USA

Deadline for manuscript submissions

closed (25 March 2022)



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/86637

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

[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)





Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)



About the Journal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)