

Special Issue

Cavitation-Enhanced Drug Delivery and Immunotherapy

Message from the Guest Editors

I am pleased to invite you to contribute to this Special Issue intended to highlight new developments in ultrasound-stimulated microbubble-based therapeutics, from targeted drug delivery to immunotherapy. Indeed, microbubble-assisted therapies have demonstrated impressive advancements in clinical trials and pre-clinical areas, including applications in neurology, oncology, cardiology and beyond. This Special Issue will cover topics including the design of new microbubble constructs, microbubble-assisted immunotherapies and immunomodulation, targeted drug or gene delivery, and dual microbubble imaging and therapeutic approaches. In addition to manuscripts that investigate applications in drug delivery and immunotherapy, we also welcome numerical and/or experimental mechanistic studies, including but not limited to single-cell or single-bubble studies that glean insight into the biophysics of this technology. This collection is open to original research and review articles. I look forward to receiving your contributions.

Guest Editors

Dr. Brandon Helfield

Dr. Shashank Sirsi

Dr. James Kwan

Dr. Michael Gray

Deadline for manuscript submissions

closed (10 June 2023)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/115824

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

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





Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceuticals and biopharmaceuticals. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Patrick J. Sinko
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, USA

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).