

Special Issue

Cell-Based Drug-Delivery Platforms

Message from the Guest Editors

Within the framework of nanomedicine, drug delivery has experienced rapid progress in recent years. Delivery systems based on cells or their derivative products, as promising alternatives to other nanosystems, can be applied in diverse therapeutic fields, such as cancer, cardiovascular or anti-infective therapeutics, etc. This Special Issue aims to present the latest research in delivery systems based on cells, derivative systems, and their therapeutic applications. This Special Issue will cover the following topics but is not limited to them:

Ghost erythrocytes as drug carriers of drugs/peptides;
Engineered platelets for tumor targeting of monoclonal antibodies;

Dendritic cells vaccines for hematologic malignancies;
Mesenchymal stem cells for drug delivery in cancer therapy;

Animal vaccines based on the use of bacterial ghosts;

Exosomes for drugs/gene delivery;

Cell-membrane coated nanosystems for drug delivery;

Cell-based drug delivery systems for gene therapy;

Cancer cell-based drug delivery platforms;

Industrial production of cell-based drug delivery system.

Dr. Carmen Gutiérrez

Dr. Clara I. Colino

Guest Editors

Prof. Dr. José Martínez Lanao

Dr. Carmen Gutierrez-Millan

Dr. Clara Isabel Colino Gandarillas

Deadline for manuscript submissions

closed (31 March 2020)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/29099

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).