



Cell-Based Drug-Delivery Platforms

Guest Editors:

Prof. Dr. José Martínez Lanao

Dr. Carmen Gutierrez-Millan

**Dr. Clara Isabel Colino
Gandarillas**

Deadline for manuscript
submissions:
closed (31 March 2020)

Message from the Guest Editors

Dear Colleagues,

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.

Prof. José Martínez Lanao
Dr. Carmen Gutiérrez
Dr. Clara I. Colino
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. 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.

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)

Contact Us

Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
X@MDPIpharma