



Application of Nano- and Bio-materials in Cell-Based Therapy

Guest Editors:

Dr. Ana Isabel Flores

Instituto de Investigación
Hospital 12 de Octubre i+12,
Madrid, Spain

Dr. Juan Luis Paris

1. Andalusian Centre for
Nanomedicine and
Biotechnology-BIONAND,
Málaga, Spain
2. Allergy Research Group,
Instituto de Investigación
Biomédica de Málaga-IBIMA,
Málaga, Spain

Dr. Paz de la Torre

Instituto de Investigación
Hospital 12 de Octubre i+12,
Madrid, Spain

Deadline for manuscript
submissions:
closed (20 January 2022)



Message from the Guest Editors

Dear Colleagues,

Cell therapy strategies hold great promise for regenerative medicine and cancer immunotherapy. Their combination with materials science has brought a plethora of scientific advances in recent years. From the development of scaffolding materials for tissue regeneration in bone, cartilage, tendons tissue, and nerve tissue engineering, to the exploitation of cell migration properties to deliver drug-loaded nanoparticles for cancer therapy, the possibilities of this type of combinations appear to be almost endless.

We invite scientists to contribute original research articles or review articles that are related to the combination of nano- and biomaterials with cells for therapeutic purposes. Potential topics include, but are not limited to:

- 3D scaffolds seeded with cells for regenerative medicine
- Nanoparticle delivery strategies based on living nanoparticle carriers
- Nanoparticle-mediated non-viral genetic engineering of therapeutic cells
- Cell-carrying biomaterials for immune engineering
- Biological effects of nanomaterials on cells for regenerative medicine applications

Dr. Ana Isabel Flores

Dr. Juan Luis Paris

Dr. Paz de la Torre

Guest Editors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of
Pharmacy, Rutgers, The State
University of New Jersey, William
Levine Hall, Room 225C, 160
Frelinghuysen Road, Piscataway,
NJ 08854-8020, 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