Special Issue

Metal-Based Nanoparticles: New Insights into Cancer Diagnosis and Therapy

Message from the Guest Editors

In recent decades, the development of nanomedicine has offered the possibility to take advantage of nanoscale materials to improve cancer management. Studies have demonstrated the ability of metallic nanoparticles to improve the performance of imaging techniques and to enhance the effects of various treatment modalities (radiotherapy, chemotherapy, immunotherapy, etc.). In synergy, these two properties make these nano-objects potential theranostic agents able to image and provide therapeutic benefit. Therefore, cancer nanomedicine has become one of the leading areas of promise, with first-generation nanoobjects reaching the level of clinical trials. Recently, multidisciplinary insights into the interaction of metalbased nanoparticles with cellular systems have advanced, paving the way for new combination therapies and the development of the next generation of nano-objects.

Guest Editors

Prof. Dr. Sophie Laurent

- Department of General, Organic and Biomedical Chemistry, NMR and Molecular Imaging Laboratory, University of Mons, B-7000 Mons, Belgium
- 2. Center for Microscopy and Molecular Imaging, Rue Adrienne Bolland, 8, B-6041 Gosselies, Belgium

Dr. Sébastien Penninckx

- 1. Radiotherapy department, Jules Bordet Institute, Rue Héger Bordet 1, B-1000 Brussel, Belgium
- 2. Research Center for the Physics of Matter and Radiation (PMR-LARN), Namur Research Institute For Life Sciences (NARILIS), University of Namur, Rue de Bruxelles 61, B-5000 Namur, Belgium

Deadline for manuscript submissions

closed (30 September 2022)



Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 5.5 CiteScore 10.0 Indexed in PubMed



mdpi.com/si/92744

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

mdpi.com/journal/pharmaceutics





an Open Access Journal by MDPI

Impact Factor 5.5 CiteScore 10.0 Indexed in PubMed



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 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.

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

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).

