



Responsive Polymer Nanostructured Assemblies: Activity in Cancer Therapy

Guest Editor:

Dr. Athina Angelopoulou

Department of Pharmacy,
University of Patras, GR 26500
Rion, Greece

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editor

Dear Colleagues,

The pharmacologic interest in polymer therapeutics has expanded to include drug delivery vehicles, control, and optimization of the transport activity of therapeutic agents, including peptides, proteins, genes, aptamers, RNA/DNA molecules, imaging agents, and small drugs. Polymers are of great interest due to the straightforward relation of therapeutic agents, increased payload, protection of the agents from hydrolysis or degradation, targetability at the tissue or intracellular sites, with changes on the polymers' physicochemical properties in response to a stimulus, enabling their use as dynamic modulators of cancer therapeutics. Traditional anticancer therapies lead to increased levels of toxicity in healthy tissues. In cases of drug-resistant tumors, the development of prominent smart responsive polymeric nanostructures and combinational treatments is of particular research importance. Aspects affecting the pharmacologic activity of responsive polymeric nanostructures are of interest in this Special Issue as long as they offer insight into linker chemistry, therapeutic agents, and polymer-cell interactions.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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