



## Extracellular Vesicles as a Platform for Cancer Treatment

Guest Editor:

**Prof. Dr. Byeong-Cheol Ahn**

Department of Nuclear Medicine,  
School of Medicine, Kyungpook  
National University, Daegu,  
Republic of Korea

Deadline for manuscript  
submissions:

**closed (28 February 2021)**

### Message from the Guest Editor

Dear Colleagues,

Extracellular vesicles (EVs), small membrane-based nanovesicles naturally released from various cells, have tissue tropism and facilitate long distance intercellular communication by carrying and delivering biological materials. EVs from certain cells revealed natural anti-tumor activity with specific tumor targetability. Since drugs can be loaded in to EVs, they are also considered as promising drug carriers. Antitumor activity of EVs can be enhanced by meticulous bioengineering techniques, such as loading chemotherapeutic drugs and incorporating tumor-targeting moieties. EV mimetics (EVMs), artificially generated from various cells, are functionally similar to EVs and thus can be a substitute EVs for cancer therapy. Accumulating evidence shows that bio-nanovesicles (EVs and EVMs) can be effective biological armors, since they have huge potential to fight intractable cancers and they might be useful in cancer therapeutics.

This Special Issue will focus on therapeutic applications of EVs and EVMs for cancerous diseases and on strategies of reinforcing the therapeutic efficacy of bio-nanovesicles.

Prof. Dr. Byeong-Cheol Ahn, MD, PhD  
*Guest Editor*





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 & 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](http://www.mdpi.com)

[mdpi.com/journal/pharmaceutics](http://mdpi.com/journal/pharmaceutics)  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)  
X@MDPIpharma