

## Special Issue

# Nanoparticles to Improve the Efficacy of Vaccines

### Message from the Guest Editors

Vaccination is a process of introducing (foreign) antigenic material(s) to activate a host immune system to develop inflammatory responses followed by adaptive immunity against a pathogen or cancer. In the last decade, advancements in material science have opened up a new era of innovative strategies for vaccine design, materials science has been widely adopted for vaccine development for strong humoral and cellular immune responses. In this Special Issue, we would like to bring the reader's attention to advanced platforms and technologies for vaccination using nanomaterials to achieve the best outcomes in terms of the efficacy of vaccinations and immunological memory. **Keywords:** Vaccine; Nanoparticle; Nanotechnology; Adjuvant; Nanovaccinology; Polymeric vaccine; Immune cell targeting; Peptide vaccine; DNA vaccine

### Guest Editors

Prof. Dr. Chong-Su Cho

Department of Agricultural Biotechnology, College of Agriculture and Life Sciences, Seoul National University, 1 Gwanangno, Gwanak-gu, Seoul 08826, Korea

Prof. Dr. Cheol-Heui Yun

Department of Agricultural Biotechnology, College of Agriculture and Life Sciences, Seoul National University, Seoul 08826, Korea

### Deadline for manuscript submissions

closed (31 July 2019)



## Pharmaceutics

an Open Access Journal  
by MDPI

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/si/23469](https://mdpi.com/si/23469)

*Pharmaceutics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)

[mdpi.com/journal/  
pharmaceutics](https://mdpi.com/journal/pharmaceutics)





# Pharmaceutics

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/journal/  
pharmaceutics](https://mdpi.com/journal/pharmaceutics)



## 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 pharmaceuticals and biopharmaceuticals. 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  
Department of Pharmaceutics, Ernest Mario School of Pharmacy,  
Rutgers University, Piscataway, NJ 08854, 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).