

## Special Issue

# Extracellular Vesicles and Nanoparticles: Mechanisms of Cellular Communication, Disease Regulation, and Biomarker Discovery

### Message from the Guest Editors

Extracellular vesicles (EVs) are increasingly identified as important players in the progression of disease by enhancing the underlying mechanisms of infection. Similarly, EVs may serve as transporters of biological “messages” allowing for the evasion of the immune system and targeting of specific cells. The overall goal of this Special Issue is to bring together expertise from the fields of infectious diseases, cell-to-cell communication, immunology, CNS, diagnostics, biomarker discovery, and nanoparticle technology to elucidate the role of EVs in the interphase between the immune system, central nervous system (CNS), and disease progression. Based on your expertise, we invite you to contribute with an original report, original observation or review, to highlight (i) mechanisms of EV biogenesis, (ii) immune pathways affected by EVs, (iii) mechanisms of EV invasion into the CNS, (iv) nanoparticle synthesis or use in diagnostics of disease, and (v) recent advances in EV-based therapeutics.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2022)



## Vaccines

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Impact Factor 3.4  
CiteScore 9.9  
Indexed in PubMed



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## About the Journal

### Message from the Editor-in-Chief

*Vaccines* (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

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### Editor-in-Chief

Prof. Dr. Ger Rijkers

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).