



Design and Evaluation of Molecular Adjuvants for Human and Veterinary Vaccines

Guest Editors:

Prof. Dr. Suh-Chin Wu

1. Institute of Biotechnology,
National Tsing Hua University,
Hsinchu 30013, Taiwan
2. Department of Medical
Science, National Tsing Hua
University, Hsinchu 30013,
Taiwan

Dr. Alexander Batista-Duharte

Laboratório de Imunologia
Clínica, Dpto Análises Clínicas,
Faculdade de Ciências
Farmacêuticas, Universidade
Estadual Paulista (UNESP), Rod.
Araraquara-Jaú-Km 1, Campus
Ville, Araraquara, São Paulo
14800-903, Brazil

Deadline for manuscript
submissions:

closed (20 June 2022)

Message from the Guest Editors

The progressive replacement of conventional live attenuated and inactivated whole cell vaccines with new generation of subunit vaccines based in purified, recombinant, syntetic and nucleic acid-based vaccines (DNA or RNA) has generally reduced reactogenicity but also immunogenicity. Therefore, adjuvants and delivery systems are key components that are used to optimize and to enhance the efficacy of vaccines. The majority of known adjuvants have been empirically identified any are often associated with adverse reactions. Adjuvant-induced toxicity considerably limits their use in human and veterinary vaccines. The reduced immunogenicity of new vaccine antigens and the need for safer vaccines have increased the importance of identifying single, well-defined adjuvants with known molecular targets and mechanisms of action for rational vaccine design.

This Special Issue focuses on current approaches and challenges to modulate the immune response with molecular adjuvants for vaccine improvement. This is a topic of intense current research in vaccinology.





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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
[X@MDPIpharma](https://twitter.com/MDPIpharma)