



vaccines



an Open Access Journal by MDPI

Microbial Antigen Identification and Vaccine Delivery Systems

Guest Editors:

Dr. Jorge H. Leitão

Instituto Superior Técnico,
Universidade de Lisboa, Lisboa,
Portugal

Dr. Paulo Bettencourt

Centro de Investigação
Interdisciplinar em Saúde,
Faculdade de Medicina,
Universidade Católica
Portuguesa, 2625-631 Rio de
Mouro, Portugal

Deadline for manuscript
submissions:

closed (31 July 2022)

Message from the Guest Editors

Vaccine efficacy and immunogenicity depend on the host, pathogen, and pathogenesis of the disease. The optimization of vaccine efficacy is therefore a requirement of many vaccines, including approved ones.

Key aspects of vaccine design and development involve the identification of the foremost immunogenic determinants of a pathogen and the choice of the best delivery system. Different vaccine delivery systems, using the same antigen, can induce variable outcomes.

In this Special Issue, we invite articles focused on innovative methods for immunogenic determinants identification from microbial pathogens and the optimization of microbial delivery systems to improve vaccine efficacy and immunogenicity. We welcome all types of manuscripts accepted in the journal, with a special focus in immunogenic determinant identification, irrespective of their biochemical nature and antigen presentation. Given that the efficacy of a vaccine antigen depends greatly on the delivery method, this Special Issue will also focus on improving microbial-based delivery systems.



mdpi.com/si/63634

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ralph A. Tripp

Department of Infectious
Diseases, College of Veterinary
Medicine, University of Georgia,
Athens, GA 30602-7387, USA

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

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 (*Immunology*) / CiteScore - Q1 (*Pharmacology (medical)*)

Contact Us

Vaccines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/vaccines
vaccines@mdpi.com