

## Special Issue

# Next-Generation Pertussis Vaccines

### Message from the Guest Editors

The incidence of pertussis is increasing in many countries, especially those using acellular pertussis (aP) vaccines, and this has resulted in renewed research focus on a disease that was once thought to be on the way out. There are several possible reasons for the return of pertussis, including: (1) waning of protective immunity following immunization with aP vaccines, (2) evolution of strain due to vaccine-driven immune selection pressure, (3) a failure of aP vaccines to induce effective T cell response, and (4) the inability of aP vaccines to block nasal colonization and transmission of *B. pertussis*. There is general agreement that we need to develop a “next generation” pertussis vaccine; however, there is no clear roadmap for their development, but it is clear that it must solve some of the issues with the current one. Since the solutions are not obvious, we would like to invite cutting-edge manuscripts for a Special Issue of *Vaccines* on ‘Next-Generation Pertussis Vaccines’. We invite authors to contribute original articles or reviews that address this public health concern.

---

### Guest Editors

Prof. Kingston Mills

Trinity Biomedical Sciences Institute, Dublin, Ireland

Dr. F. Heath Damron

Department of Microbiology, Immunology & Cell Biology, School of Medicine, West Virginia University, Morgantown, WV 26506, USA

---

### Deadline for manuscript submissions

closed (30 September 2020)



## Vaccines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 9.9  
Indexed in PubMed



[mdpi.com/si/32333](https://mdpi.com/si/32333)

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

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





# Vaccines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 9.9  
Indexed in PubMed



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



## 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.

---

### Editor-in-Chief

Prof. Dr. Ger Rijkers

Department of Health, Cognition and Behavior, University College  
Roosevelt, 4331 CB Middelburg, The Netherlands

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Medicine, Research and Experimental) /  
CiteScore - Q1 (Pharmacology (medical))

#### Rapid Publication:

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).