



an Open Access Journal by MDPI

## Advances in Research of Leptospirosis: Omics, Host-Pathogen Interactions, Immune Response and Mutagenesis

Guest Editors:

**Dr. Ana L. T. O. Nascimento**

Laboratório de Desenvolvimento de Vacinas, Instituto Butantan, São Paulo 05503-900, Brazil

**Dr. Aline F. Teixeira**

Laboratório de Desenvolvimento de Vacinas, Instituto Butantan, São Paulo 05503-900, Brazil

**Dr. Luis G. V. Fernandes**

Laboratório de Desenvolvimento de Vacinas, Instituto Butantan, São Paulo 05503-900, Brazil

Deadline for manuscript submissions:

**closed (15 February 2024)**

### Message from the Guest Editors

This Research Topic aims to enhance our knowledge of mutagenesis, host–pathogen interactions, immune response mechanisms associated with pathogenic *Leptospira* in hosts.

This includes:

- Identification of surface-exposed immunogenic targets;
- Biological aspects of leptospiral mutagenesis;
- Molecular and cellular aspects of host–pathogen interactions;
- Animal models for the study of leptospiral mutants;
- Immunization and protection against lethal infection in the hamster model of leptospirosis.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Lawrence S. Young

Warwick Medical School,  
University of Warwick, Coventry  
CV4 7AL, UK

## Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

## 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, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*General Immunology and Microbiology*)

## Contact Us

---

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/pathogens](http://mdpi.com/journal/pathogens)  
[pathogens@mdpi.com](mailto:pathogens@mdpi.com)  
[X@Pathogens\\_MDPI](https://twitter.com/Pathogens_MDPI)