

## Special Issue

# Signaling Systems in *Pseudomonas aeruginosa* Biofilm

### Message from the Guest Editors

Several signaling systems have been shown to be involved in different aspects of biofilm formation and maintenance, not least Quorum Sensing (QS) and cyclic-di-GMP. The importance of such signaling systems is supported by the growing identification of how factors regulated by these systems favor survival potentials of pathogens like *Pseudomonas aeruginosa*. Inhibition of signaling systems like QS and cyclic-di-GMP has gained considerable attention as potential approaches in the attempt to develop new strategies against biofilms. This Special Issue in *Pathogens* on “Signaling Systems in *Pseudomonas aeruginosa* Biofilm” centers on the newest studies and current knowledge about the influence of signaling systems on *P. aeruginosa* biofilm, both in vitro and in vivo, as well as on the potential of modulating these regulatory systems to lower biofilm survival. We invite you to submit a research or review manuscripts covering these important molecular aspects of *P. aeruginosa* biofilm and look forward to contributions that can increase our understanding and knowledge of this important scientific field.

---

### Guest Editors

Prof. Dr. Tim Holm Jakobsen

Costerton Biofilm Center, Faculty of Health Sciences, Department of Immunology and Microbiology, Blegdamsvej 3B, 2200 Copenhagen, Denmark

Prof. Jens Bo Andersen

Costerton Biofilm Center, Faculty of Health Sciences, Department of Immunology and Microbiology, Blegdamsvej 3B, 2200 Copenhagen, Denmark

---

### Deadline for manuscript submissions

closed (30 October 2017)



## Pathogens

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/9031](https://mdpi.com/si/9031)

*Pathogens*

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

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





# Pathogens

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.4  
Indexed in PubMed



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



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

---

### 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)