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Immunopathogenesis of Bacterial Infection

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Deadline for manuscript submissions:

closed (15 February 2023)

Message from the Guest Editors

Infection is the response of host tissues to infectious agents and the toxins they produce during the invasion of a host organism by pathogens and their subsequent proliferation. Infection can be caused by a variety of pathogens, such as bacteria, fungi, parasites, and viruses. Bacteria can enter an organism's body where they can colonize and proliferate either intracellularly within host cells by interfering with endocytic pathways, or extracellularly in tissue, inducing cell death, inflammation, and disease. In the past several decades, increasing evidence has revealed that host tissue defenses to bacterial infections depend on the early innate immune responses, involving various pattern-recognition receptors, inflammasomes, cytokines, antimicrobial peptides, etc, and adaptive immune responses involving B and T lymphocytes.

This Special Issue aims to understand the immunopathogenesis of bacterial infections from a cellular and immunobiological perspective. We invite all scientists working in this area to contribute original research articles, reviews, communications, and short perspective articles on all aspects related to pathogen infection and immunity.



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Special Issue



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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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