

Special Issue

Microorganism in Inflammation

Message from the Guest Editors

Microorganisms live peacefully on exposed surfaces of the human body and have close relationships with their hosts. The microbial community maintains a balanced composition and host homeostasis. Under normal conditions, the host immune system prevents the invasion of pathogenic bacteria while tolerating entry by normal microbiota. However, when external pathogens destroy the balance between host and microbiota, they move toward the epithelial cells of host. If an imbalance in the microbiota occurs, the host immune system is altered, leading to the activation of an immune response that causes the induction of a disease state. In addition, dysbiosis increases the number of harmful bacteria, which may release enterotoxins, thereby increasing the permeability of the host, inducing the production of immunosuppressive proteins causing immune dysfunction, damaging epithelial cells, and affecting energy metabolism—leading to inflammation. This Special Issue in *IJMS*, “Microorganism in inflammation”, will take an interest in manuscript in the field of human inflammations in accordance with microorganisms.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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