



Orthopedic Infection Characterized by the Presence of Bacterial Biofilm on the Surface of Implants

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Message from the Guest Editors

Dear Colleagues,

Prosthetic joint infection is a recurring and severe complication following total joint arthroplasties, which negatively affects the quality of patients' lives and the financial resources of the healthcare system. The presence of a foreign body is the triggering event leading to the development of implant-related infections, permitting bacterial attachment and biofilm formation and making the eradication of the infection extremely difficult.

The goal of the Special Issue “Orthopedic Infection Characterized by the Presence of Bacterial Biofilm on the Surface of Implants”, including preventive measures aimed at discouraging biofilm formation while supporting the integration of the implant, innovative treatment strategies, and advanced diagnostic technologies. In addition, research unravelling molecular mechanisms of biofilm formation on implants and host–biofilm interaction is welcome.

Keywords: biofilm; prosthetic joint infections (PJI); implant-related infections; PJI diagnosis and treatment; clinical microbiology; chronic infections; bacterial adhesion; host–pathogen interaction





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Message from the Editor-in-Chief

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