



Protective Mechanisms against *Staphylococcus aureus*: Antibodies, Cell Mediated Immunity and Trained Immunity

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Message from the Guest Editors

Staphylococcus aureus is an antibiotic-resistant pathogen causing a tremendous healthcare burden worldwide. Alternative medical interventions to antibiotics are urgently needed, but unfortunately attempts to develop vaccines and monoclonal antibodies have so far failed or have met with limited success. There are several potential reasons behind limited success/failure and one of the most important is the lack of a sufficient understanding of protective mechanisms. In this Special Issue we will focus on the role of antibodies, cell mediated immunity, and trained immunity for preventing or treating *S. aureus* infections. The ultimate aim of this issue is to gather, from key opinion leaders in the field, the most advanced knowledge for guiding research and development of novel medical interventions against this deadly pathogen with the potential to save thousands of lives and reduce the emergence of antimicrobial resistance.





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