

Special Issue

Group A Streptococcus: Infection, Immunity and Vaccine Development

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue entitled "Group A Streptococcus: Infection, Immunity, and Vaccine Development". Group A Streptococcus (GAS), or *Streptococcus pyogenes*, is responsible for diseases. These range from superficial skin and soft tissue infections such as impetigo, pharyngitis ('strep throat'), and tonsillitis to more severe invasive infections such as necrotizing fasciitis and streptococcal toxic shock syndrome 1–3. If left untreated, pharyngitis/tonsillitis can develop into a systemic and toxin-mediated disease known as scarlet fever or into autoimmune sequelae such as acute rheumatic fever or acute glomerulonephritis.

GAS remains mostly sensitive to beta-lactam antibiotics, and penicillin is the first-line treatment for pharyngitis/tonsillitis. There are currently several experimental GAS vaccines in various stages of development, many knowledge gaps still exist regarding immunity to infection, and filling these will underpin future GAS vaccine development.

We invite you to submit a review article or original research article related to the abovementioned topics.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2024)



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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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