Topical Collection

Epidemiology and Pathogenicity of Animal-Adapted Streptococci

Message from the Collection Editors

Streptococci typically colonize the skin and the mucosal surfaces of various warm- and cold-blooded host species. Many streptococcal species represent pathobionts, which expand their pathogenic potential under immune-suppressive or other predisposing conditions, thereby causing local, purulent infections of the skin or even severe and life-threatening diseases such as septicemia, meningitis, and abortion.

Much literature is available about streptococci that colonize the human host and eventually lead to infections, such as Streptococcus (S.) pyogenes and S. pneumoniae. However, knowledge about streptococcal species that are particularly adapted to animals is mostly scant. Thus, the aim of this Topical Collection is to provide a collection of articles that cover the current state of knowledge on streptococcal species from animal origin. Manuscripts covering all aspects of research related but not restricted to their epidemiology and pathogenicity, including basic research, review articles and case reports, are highly welcome.

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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.

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