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Evolutionary Genetics of *Streptococcus pneumoniae*

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Understanding the biology of *Streptococcus pneumoniae* will allow for improved public health policies for a disease that kills up to 1 million children each year globally. We must also understand how this biology changes through time to help prevent pneumococcal infections and deaths; how does *S. pneumoniae* evolve? Additionally, we can gain insight into general trends of genomic evolution in bacteria using pneumococcus as a genomic model organism due its particular set of characteristics: its natural competence and high rates of recombination; the large number of diverse, sequenced genomes, especially through The Global Pneumococcal Sequencing Project; and the defined selection pressures acting on pneumococcal populations in the form of antimicrobial resistance and vaccine-serotype replacement.

We are interested in examining any aspect of pneumococcus evolution, such as temporal changes and differences between populations, explorations of the evolution of microbial community dynamics, competence, antagonistic interactions, antimicrobial resistance, and serotype replacement and additionally, we welcome explorations into the mechanics of its genome evolution.



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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