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Applied Genomics: Bridging the Gap between R&D and Practical Implementations within Clinical and Public Health Settings

Guest Editor:

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Message from the Guest Editor

Within applied clinical and public health settings, ample case studies have documented its benefit for many microbial pathogens of interest in clinical and public health settings, and public health genomics.

Nevertheless, a gap still exists between the acclaimed success and the everyday practical implementation of this technology. Bridging this gap will require an integrated approach bringing together experts from different fields: bioinformaticians developing tools to analyze genomics data, microbiologists performing routine pathogen typing and characterization, epidemiologists and public health experts integrating applied genomics data, clinicians making informed decisions based on the output of such applications, quality experts monitoring and validating applied genomics implementations, and policy makers translating these applications into guidelines and regulations.

The aim of this Special Issue is therefore to address this gap by demonstrating how applied genomics is currently maturing by welcoming recent work and current review articles that showcase practical implementations of applied genomics within clinical and public health settings.



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Special Issue



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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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