Special Issue

Translational Bioinformatics: From Prediction to Validation

Message from the Guest Editor

There is a growing acceptance that the "one-size-fits-all" approach in healthcare needs to be replaced by precision medicine and precision health. With the plummeting costs of genotyping, government-led programs and private companies are collecting large-scale biological, phenotypic, environmental, and behavioral data on millions of people. Enabling a new era of personalized health requires AI-powered integration of physiological, nutrition, exercise, and wellness programs. Many challenges remain: from developing methodologies to harness rapidly growing data from multiple sources to translating it into actionable insights and lifestyle solutions for consumers. This Special Issue calls for original research papers, reviews, and case studies that address implementation of genomics-based approaches to early chronic disease detection and prevention, risk mitigation by personalized diet and lifestyle changes, and validation case-studies. Topics of interest include integration of biological data (DNA, microbiome) with wearables and mobile devices, and development of precision health platforms.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2020)

About the Journal

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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Editor-in-Chief

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