

Special Issue

Advances and Applications of Machine Learning in Biomedical Genomics

Message from the Guest Editor

This call invites researchers and practitioners in the field of bioinformatics to contribute to a Special Issue entitled “Advances and Applications of Machine Learning in Biomedical Genomics”. As the intersection of machine learning and genomics continues to catalyze transformative breakthroughs, this Special Issue aims to showcase cutting-edge research and applications that harness the power of machine learning techniques for elucidating complex biological mechanisms, predictive modeling of disease outcomes, and the interpretation of large-scale genomics data. We welcome manuscripts covering a spectrum of topics, including, but not limited to, predictive modeling, feature selection, deep learning applications, interpretability, and integrative analyses in the context of biomedical genomics. Submissions may span a range of species and address challenges in functional genomics, precision medicine, and systems biology. This Special Issue provides a platform for researchers to disseminate their novel methodologies, insights, and applications, fostering the exchange of knowledge and driving the continued advancement of the field.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2024)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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