DESCRIPTION

Genomics is a forum for describing the development of genome-scale technologies and their application to all areas of biological investigation.

As a journal that has evolved with the field that carries its name, Genomics focuses on the development and application of cutting-edge methods, addressing fundamental questions with potential interest to a wide audience. Our aim is to publish the highest quality research and to provide authors with rapid, fair and accurate review and publication of manuscripts falling within our scope. Topics within the scope of Genomics include, but are not limited to:

- Genomics including genome projects, genome sequencing, and genomic technologies and novel strategies.
- Functional genomics including transcriptional profiling, mRNA analysis, microRNA analysis, and analysis of noncoding and other RNAs using established and newly-emerging technologies (such as digital gene expression).
- Evolutionary and comparative genomics, including phylogenomics
- Genomic technology and methodology development, with a focus on new and exciting applications with potential for significant impact in the field and emerging technologies
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- Modern genetics on a genomic scale, including complex gene studies, population genomics, association studies, structural variation, and gene-environment interactions
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- Genomic regulatory analysis, including DNA elements, locus control regions, insulators, enhancers, silencers, and mechanisms of gene regulation
- Genomic approaches to understanding the mechanism of disease pathogenesis and its relationship to genetic factors, including meta-genomic and the mode and tempo of gene and genome sequence evolution.
- Medical Genomics, Personal Genomics, and other applications to human health
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- Comparative genomics analysis that yields valuable insights into conserved and divergent aspects of function, regulation, and evolution
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