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.
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• Evolutionary and comparative genomics, including phylogenomics.
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• Computational biology, bioinformatics and biostatistics, including integrative methods, network biology, and the development of novel tools and techniques.
• Modern genetics on a genomic scale, including complex gene studies, population genomics, association studies, structural variation, and gene-environment interactions.
• Epigenomics, including DNA methylation, histone modification, chromatin structure, imprinting, and chromatin remodeling.
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• Application of Genomic techniques in model organisms that may be of interest to a wide audience.
• RNA-seq experiments without three or more biological replicates will not be accepted for differential expression-based articles.

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The goal of Genomics is to promote the understanding of the structure, function, and evolution of genomes in all kingdoms of life and the application of genome sciences and technologies to challenging problems in biology and medicine. The scope of the journal is broad and we welcome original, full-length, and timely papers in all of the following areas:

• Comparative genomics analysis that yields valuable insights into conserved and divergent aspects of function, regulation, and evolution

• Bioinformatics and computational biology with particular emphasis on data mining and improvements in data annotation and integration

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• Identification of genes involved in disease and complex traits, including responses to drugs and other xenobiotics

• Significant advances in genetic and genomics technologies and their applications, including chemical genomics

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- For Word submissions only, you may still provide figures and their captions, and tables within a single file at the revision stage.
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You are urged to visit this site; some excerpts from the detailed information are given here.

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