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DESCRIPTION

Gene has an open access mirror journal Gene: X, sharing the same aims and scope, editorial team, submission system and rigorous peer review.

Gene publishes papers that focus on the regulation, expression, function and evolution of genes in all biological contexts, including all prokaryotic and eukaryotic organisms, as well as viruses.

Gene strives to be a very diverse journal and topics in all fields will be considered for publication. Although not limited to the following, some general topics include:

- DNA Organization, Replication & Evolution - Focus on genomic DNA (chromosomal organization, comparative genomics, DNA replication, DNA repair, mobile DNA, mitochondrial DNA, chloroplast DNA).
- Expression & Function - Focus on functional RNAs (microRNAs, tRNAs, rRNAs, mRNA splicing, alternative polyadenylation)
- Regulation - Focus on processes that mediate gene-read out (epigenetics, chromatin, histone code, transcription, translation, protein degradation).
- Cell Signaling - Focus on mechanisms that control information flow into the nucleus to control gene expression (kinase and phosphatase pathways controlled by extra-cellular ligands, Wnt, Notch, TGFbeta/BMPs, FGFs, IGFs etc.)
- Profiling of gene expression and genetic variation - Focus on high throughput approaches (e.g., DeepSeq, ChIP-Seq, Affymetrix microarrays, proteomics) that define gene regulatory circuitry, molecular pathways and protein/protein networks.
- Genetics - Focus on development in model organisms (e.g., mouse, frog, fruit fly, worm), human genetic variation, population genetics, as well as agricultural and veterinary genetics.
- Molecular Pathology & Regenerative Medicine - Focus on the deregulation of molecular processes in human diseases and mechanisms supporting regeneration of tissues through pluripotent or multipotent stem cells.

Gene encourages submission of novel manuscripts that present a reasonable level of analysis, functional relevance and/or mechanistic insight. Gene also welcomes papers that have predominantly a descriptive component but improve the essential basis of knowledge for subsequent functional studies, or provide important confirmation of recently published discoveries.
The primary criteria for acceptance are that the work is original and scientifically sound. The journal appreciates that standards of novelty are arbitrary, differ among disciplines and geographic locations, as well as change with time. In partnership with Editors, Referees and Authors, the journal will promote the revision of papers to ensure that accepted papers are reasonably complete and competitive with concurrent submissions in a given field.

**AUDIENCE**

Molecular biologists, geneticists, biotechnologists

**IMPACT FACTOR**

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INTRODUCTION

[GENE] has an open access mirror journal, [GENE: X].
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Letters to the Editor that are pertinent to material published in GENE or that discuss problems of general interest are selected for publication. The author of a paper in question is usually given an opportunity to reply.

Reviews or Mini-reviews are generally solicited by the Editors of the journal. However, prospective authors interested in contributing such a paper are invited to contact the Editor-in-Chief.
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