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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.

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Molecular biologists, geneticists, biotechnologists

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If your article includes any Videos and/or other Supplementary material, this should be included in your initial submission for peer review purposes.

Divide the article into clearly defined sections.

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Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

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Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

Results

Results should be clear and concise.

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This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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