

Special Issue

Genetic Variations and Human Diseases: From Mechanisms to Translational Medicine

Message from the Guest Editor

Advances in genetic research have profoundly expanded our understanding of disease susceptibility, marking a transformative era for biomedical science and precision medicine. A growing body of evidence has demonstrated that genetic variations, particularly single-nucleotide polymorphisms (SNPs), are closely associated with the risk, progression, and clinical outcomes of a wide spectrum of diseases.

These underscore the pressing need for well-designed, robust, and translational studies to validate existing findings, uncover shared or disease-specific genetic mechanisms, and explore new avenues in genetic medicine.

We invite translational scientists worldwide to submit original research that elucidates the genetic basis of human diseases across all disease categories. Studies should integrate experimental, clinical, or population-based validation; submissions relying solely on in silico or dry-lab analyses will not be considered. By contributing to *Life*, authors will help bridge genetic discoveries with biological mechanisms and clinical relevance, fostering advances that extend across disease boundaries.

Guest Editor

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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