MUTATION RESEARCH - REVIEWS IN MUTATION RESEARCH

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DESCRIPTION

The subject areas of Mutation Research - Reviews in Mutation Research (MRR) encompass the entire spectrum of the science of mutation research and its applications, with particular emphasis on the relationship between mutation and disease. Thus, this section will cover: Advances in human genome research (including evolving technologies for mutation detection and functional genomics) with applications in clinical genetics, gene therapy and health risk assessment for environmental agents of concern Genetic toxicology and environmental mutagenesis (including the factors that modulate the genetic activity of environmental agents) will continue to be prominent topics in this section.


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AUDIENCE

Geneticists, Toxicologists

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Ionizing radiation, normal tissue response, tissue reactions (deterministic effects), ocular disease, circulatory disease, neurodegenerative disease, radiation protection, radiotherapy, cancer, radiation biology

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Research Interests: Molecular epidemiology, children’s environmental health, genetics and epigenomics, cytogenetic biomarkers, biobanking

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Genomics, DNA sequencing, clonal evolution, mutagenesis, carcinogenesis, medical oncology

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Cell Biol. of DNA Damage & Repair, Testing, Geno vs. Nongeno Mechs of Cancer

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Molecular Epidemiology

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Ecotoxicology and complex mixture mutagenesis

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**Thomas Wilson**, University of Michigan Medical School, Ann Arbor, Michigan, United States

DNA repair, end joining, recombination, structural variation, somatic mutagenesis, genomics, transcriptomics, bioinformatics, cancer genetics, molecular diagnostics

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Cancer genomics and bioinformatics, mechanisms of carcinogenesis, mutagenesis and mutational signatures, epigenetics, molecular biology
GUIDE FOR AUTHORS

INTRODUCTION

The subject areas of Reviews in Mutation Research encompass the entire spectrum of the science of mutation research and its applications, with particular emphasis on the relationship between mutation and disease. Thus this section will cover advances in human genome research (including evolving technologies for mutation detection and functional genomics) with applications in clinical genetics, gene therapy and health risk assessment for environmental agents of concern. Genetic toxicology and environmental mutagenesis (including the factors that modulate the genetic activity of environmental agents) will continue to be prominent topics in this section. In addition to full-length reviews, mini-reviews on specific topical themes will be published.

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