DESCRIPTION

*Mutation Research: Genetic Toxicology and Environmental Mutagenesis (MRGTEM)* publishes papers advancing knowledge in the field of genetic toxicology. Papers are welcomed in the following areas:

- New developments in genotoxicity testing of chemical agents (e.g., in methodology of assay systems and interpretation of results). Alternatives to and refinement of the use of animals in genotoxicity testing. Nano-genotoxicology, the study of genotoxicity hazards and risks related to novel man-made nanomaterials. Studies of epigenetic changes in relation to genotoxic effects. The use of structure-activity relationships in predicting genotoxic effects. The isolation and chemical characterization of novel environmental mutagens. The measurement of genotoxic effects in human populations, when accompanied by quantitative measurements of environmental or occupational exposures. The application of novel technologies for assessing the hazard and risks associated with genotoxic substances (e.g., OMICS or other high-throughput approaches to genotoxicity testing). Telomere biology as an endpoint for examination of the effects of chemicals and other environmental exposures.

Other *Mutation Research* sections:
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Mutagenesis, DNA Repair, Genotoxicology

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Carcinogenesis, Mutagenesis, DNA damage, Oxidative stress

Emilio Rojas del Castillo, National Autonomous University of Mexico, Department of Medicine and Environmental Toxicology, Ciudad de México, Mexico
DNA damage and repair, Gene expression, Epigenetic effects, cell transformation, environmental exposure, human exposed populations

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DNA repair, genetic susceptibility, mismatch repair

Stephanie Smith-Roe, National Toxicology Program, Research Triangle Park, North Carolina, United States of America
Genetic toxicology, DNA damage, DNA repair, mutagenesis, cell cycle checkpoints, high throughput screening, botanical dietary supplements

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fluorescence microscopy, water quality, boron, copper

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Toxic effects of engineered nanoparticles, combustion generated particles, molecular epidemiology

Yukari Totsuka, National Cancer Center Research Institute Cancer Development and Progression Group Division of Carcinogenesis and Prevention, Tokyo, Japan
Carcinogenesis

Mahara Valverde, National Autonomous University of Mexico, Department of Medicine and Environmental Toxicology, Ciudad de México, Mexico
Transformative effects of metals, DNA repair mechanisms, oxidative stress, Adipogenesis, Comet assay, DNA damage, DNA damage responde (DDR), Carcinogenesis

Marie Vasquez, Helix3 Inc, Morrisville, North Carolina, United States of America
Comet assay, Genetic toxicology, DNA damage and repair, DNA reactivity, cytotoxicity, safety testing

Perumal Venkatachalam, Sri Ramachandra Institute of Higher Education and Research, Chennai, Tamil Nadu, India
51);”>Radiation biodosimetry, biological effects of low-dose ionizing radiation (Bystander response, Genomic instability, Adaptive response), biomarkers of radiation exposure and radiation response (Chromosome aberrations, micronucleus, translocations, gamma-H2AX assay), clinical cytogenetics.

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Kristine Witt, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, United States of America
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INTRODUCTION

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*Mutation Research - Genetic Toxicology and Environmental Mutagenesis* is now accepting submissions for a new section of the journal that will be dedicated to the discussion of current issues relating to design, interpretation and strategic use of genotoxicity tests (*Current Topics in Genotoxicity Testing*). This section is envisaged to include discussions relating to the development of new international testing guidelines, but also to wider topics in the field. The evaluation of contrasting or opposing viewpoints is welcomed as long as the presentation is in accordance with the journal’s aims, scope, and policies.

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*Mutation Research - Genetic Toxicology and Environmental Mutagenesis* publishes the following types of article: (I) Research papers- papers reporting results of original, fundamental research. (II) Short communications of up to 5 printed pages. (III) Rapids - are accelerated publications - research papers identified by the Editor as being of significant quality and thereby qualifying for rapid reviewing, and publication within 8-10 weeks of acceptance. (IV) Current issues are generally short, 1-2 page comments on a topical theme, and are published within 10 weeks of acceptance. (V) Volunteered and invited Mini-reviews of less than 10 printed pages, using references generally no later than 2 years old. The journal accepts Letters to the Editor.

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*Mutation Research - Genetic Toxicology and Environmental Mutagenesis* is now accepting submissions for a new section of the journal that will be dedicated to the discussion of current issues relating to design, interpretation and strategic use of genotoxicity tests (*Current Topics in Genotoxicity Testing*). This section is envisaged to include discussions relating to the development of new international testing guidelines, but also to wider topics in the field. The evaluation of contrasting or opposing viewpoints is welcomed as long as the presentation is in accordance with the journal’s aims, scope, and policies.

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