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DESCRIPTION

*Mutation Research - Genetic Toxicology and Environmental Mutagenesis* 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. improvements 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).

*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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Genetic Toxicology, Bacterial mutagenicity, DNA damage, Chromosomal Damage, genetox screening assay, mutagenic impurities, pharmaceutical industry

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Genetic toxicology, in vitro toxicology, Ames, chromosome aberrations, in vitro micronucleus, in vivo micronucleus, comet, mouse lymphoma, environmental science, ornithology, chemistry

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Sabina Halappanavar, Health Canada, Ottawa, Ontario, Canada
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Carcinogen; DNA damage; drug administration, gastrointestinal tract

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DNA damage, genotoxicity

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DNA repair, apoptosis

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Epigenetic regulation, genome stability, carcinogenesis, radiation-induced DNA damage, repair and recombination

Carina Ladeira, Escola Superior de Tecnologia da Saúde de Lisboa (ESTeSL), Lisboa, Portugal
Human biomonitoring, genotoxicity, genetic toxicology, histopathology, environmental and occupational health

Yang Luan, Shanghai JiaoTong University School of Medicine, Shanghai, China
DNA damage; germ cell apoptosis; mutagenicity

Mugimane Manjanatha, Food and Drug Administration (FDA), Jefferson, Arkansas, USA
Transgenic mutation assays, assessment of chemicals and drugs

Nan Mei, Food and Drug Administration (FDA), Jefferson, Arkansas, USA
Toxicity, genotoxicity, mutagenicity, DNA damage, oxidative stress, DNA adduct, gene expression. toxicogenomics, quantitative analysis, benchmark dose

Miroslav Mišík, Medizinische Universität Wien, Vienna, Austria
DNA damage, dietary mutagens, comet, micronuclei, metabolically competent cell lines, ecogenotoxicology, plant bioassays

Massimo Moretti, Università degli Studi di Perugia, Perugia, Italy
Occupational exposure, antineoplastic drugs, genotoxicity

Takeshi Morita, National Institute of Health Sciences (NIHS), Tokyo, Japan
Genotoxicity, Testing, in silico, QSAR, Evaluation, Regulation, Risk assessment, Hazard identification, GHS classification

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Screening of antimicrobial compounds

**Asao Noda**, Radiation Effects Research Foundation (RERF), Hiroshima, Japan

**Takehiko Nohmi**, National Institute of Biomedical Innovation, Kanagawa, Japan

Genetic engineering, DNA repair

**Shinji Oikawa**, Mie University School of Medicine, Mie, Japan

Carcinogenesis, Mutagenesis, DNA damage, Oxidative stress

**Ann M. Richard**, U.S. Environmental Protection Agency (EPA), Research Triangle Park, North Carolina, USA

Computational chemistry, structure-activity relationships, cheminformatics, computational toxicology, ToxCast, Tox21

**Emilio Rojas del Castillo**, Universidad Nacional Autónoma de México (UNAM), Ciudad de México, Mexico

DNA damage and repair, Gene expression, Epigenetic effects, cell transformation, environmental exposure, human exposed populations

**José Rueff**, Universidade NOVA de Lisboa, Lisbon, Portugal

DNA repair, genetic susceptibility, mismatch repair

**Stephanie Smith-Roe**, National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, North Carolina, USA

Genetic toxicology, DNA damage, DNA repair, mutagenesis, cell cycle checkpoints, high throughput screening, botanical dietary supplements

**Helga Stopper**, Julius-Maximilians-Universität Würzburg, Würzburg, Germany

Genetic toxicology, mechanisms of action of carcinogenic agents, electromagnetic fields & genomic damage, genomic damage through endogenous hormones

**Takeji Takamura-Enya**, Kanagawa Institute of Technology, Kanagawa, Japan

fluorescence microscopy, water quality, boron, copper

**Veronique Thybaud**, Sanofi-Aventis Research and Development, Vitry sur Seine Cedex, France

Biomarkers, DNA damage & repair, cytotoxicity, genetic toxicology, mutagenesis, genotoxicity, Comet assay

**Jan Topinka**, Academy of Sciences of the Czech Republic, Prague, Czech Republic

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

**Yukari Totsuka**, National Cancer Center Research Institute, Tokyo, Japan

Carcinogenesis

**Mahara Valverde**, Universidad Nacional Autónoma de México (UNAM), Ciudad de México, Mexico

Transformative effects of metals, DNA repair mechanisms, oxidative stress

**Marie Vasquez**, Helix3, Morrisville, North Carolina, USA

Comet assay, Genetic toxicology, DNA damage and repair, DNA reactivity, cytotoxicity, safety testing

**Vijayalaxmi**, San Antonio, Texas, USA

**Kristine Lynne Witt**, National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, North Carolina, USA

Genetic toxicology, Bacterial mutation, DNA damage, Comet assay, Chromosomal damage, Micronucleus test, Pig-a assay.

**Lijun Wu**, Chinese Academy of Sciences (CAS), Hefei, Anhui, China

Bojana Žegura, National Institute of Biology, Ljubljana, Slovenia

genotoxicity, mutagenicity, toxicogenomics, natural toxins, anti-mutagens, in vitro 3D cultures
INTRODUCTION

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Any submissions that report the results of studies on extracts or complex mixtures (e.g., solvent extracts of herbal preparations; soil, air, or water samples) will receive preliminary review by an Editor. Unless such manuscripts offer significant new insight, such as the chemical identification of previously unknown mutagens or anti-mutagens, they will be returned to the authors without being sent for further review. For further clarification of this journal policy please refer to the Editorial published in Mutation Research 391 (1997) 1.
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