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. 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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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 Totuka, 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.

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

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