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DESCRIPTION

Toxicology and Applied Pharmacology publishes original scientific research of relevance to animals or humans pertaining to the action of chemicals, drugs, or chemically-defined natural products.

Regular articles address mechanistic approaches to physiological, pharmacologic, biochemical, cellular, or molecular understanding of toxicologic/pathologic lesions and to methods used to describe these responses. Safety Science articles address outstanding state-of-the-art preclinical and human translational characterization of drug and chemical safety employing cutting-edge science. Highly significant Regulatory Safety Science articles will also be considered in this category. Papers concerned with alternatives to the use of experimental animals are encouraged.

Short articles report on high impact studies of broad interest to readers of TAAP that would benefit from rapid publication. These articles should contain no more than a combined total of four figures and tables. Authors should include in their cover letter the justification for consideration of their manuscript as a short article.

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AUDIENCE

Toxicologists, pharmacologists, cancer researchers, epidemiologists, molecular and cell biologists

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INTRODUCTION
Toxicology and Applied Pharmacology publishes original scientific research of relevance to animals or humans pertaining to the action of chemicals, drugs, or chemically-defined natural products.

Regular articles address mechanistic approaches to physiological, pharmacologic, biochemical, cellular, or molecular understanding of toxicologic/pathologic lesions and to methods used to describe these responses. Safety Science articles address outstanding state-of-the-art preclinical and human translational characterization of drug and chemical safety employing cutting-edge science. Highly significant Regulatory Safety Science articles will also be considered in this category. Papers concerned with alternatives to the use of experimental animals are encouraged.

Short articles report on high impact studies of broad interest to readers of TAAP that would benefit from rapid publication. These articles should contain no more than a combined total of four figures and tables. Authors should include in their cover letter the justification for consideration of their manuscript as a short article.

TAAP also issues a standing call for outstanding Invited Review Articles. Potential authors should contact the Editor-In-Chief and complete an Invited Review Proposal Form before preparing or submitting their Review Article.

Types of Papers
The following types of articles will be considered for publication: Research Paper, Safety Science Articles, Short High Impact Articles, and Invited Reviews.

Research Paper address mechanistic approaches to physiological, pharmacologic, biochemical, cellular, or molecular understanding of toxicologic/pathologic lesions and to methods used to describe these responses. Regular Articles should be approximately 25 to 35 pages with double line spacing including references but not including figures. Safety Science articles address outstanding state-of-the-art preclinical and human translational characterization of drug and chemical safety employing cutting-edge science. Highly significant Regulatory Safety Science articles will also be considered in this category. Papers concerned with alternatives to the use of experimental animals are encouraged.

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**PREPARATION**

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Results
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Duplication between the text of this section and material presented in tables and figures should be avoided and replaced with a statement in the text whenever possible. The statement must include (a) what was done, (b) how it was done, (c) how the data were analyzed, (d) a measure of variability, and (e) the significance of the result.

Discussion
This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is sometimes appropriate. Avoid extensive citations and discussion of published literature.

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- mm millimeter
- dpm disintegrations per minute
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- nm nanometer
- ic intracutaneous
- kg kilogram
- im intramuscular
- g gram
- ip intraperitoneal
- mg milligram iv intravenous
- ug microgram
- po oral
- ng nanogram
- LD50 medial lethal dose
- ml milliliter
- LC50 medial lethal concentration
- >ul microliter
- Hz hertz mol mole
- s seconds
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- uM micromolar
- SD standard deviation
- N normal
- SE standard error
Ci Curie TLV threshold limit value
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