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.

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.

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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.

Short articles (Short Communications) report on high impact studies of broad interest to readers of Toxicology and Applied Pharmacology that would benefit from rapid publication. These articles should contain no more than a combined total of four figures and tables and should be approximately 12 to 15 pages with double line spacing including references. Authors should include in their cover letter the justification for consideration of their manuscript as a short article and mention that this belongs to the article type Short articles report on high impact.

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All animal experiments should comply with the ARRIVE guidelines and should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, EU Directive 2010/63/EU for animal experiments, or the National Institutes of Health guide for the care
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m meter
ppm parts per million
cm centimeter
cpm counts per minute
mm millimeter
dpm disintegrations per minute
um micrometer
sc subcutaneous
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
M molar
min minutes
mM millimolar
h hours
uM micromolar
SD standard deviation
N normal
SE standard error
Ci Curie TLV threshold limit value
X mean

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