**DESCRIPTION**

*Biochemical Pharmacology* publishes original research findings, Commentaries and review articles related to the elucidation of cellular and tissue function(s) at the biochemical and molecular levels, the modification of cellular phenotype(s) by genetic, transcriptional/translational or drug/compound-induced modifications, as well as the pharmacodynamics and pharmacokinetics of xenobiotics and drugs, the latter including both small molecules and biologics.

The journal’s target audience includes scientists engaged in the identification and study of the mechanisms of action of xenobiotics, biologics and drugs and in the drug discovery and development process.

All areas of cellular biology and cellular, tissue/organ and whole animal pharmacology fall within the scope of the journal. Drug classes covered include anti-infectives, anti-inflammatory agents, chemotherapeutics, cardiovascular, endocrinological, immunological, metabolic, neurological and psychiatric drugs, as well as research on drug metabolism and kinetics. While medicinal chemistry is a topic of complimentary interest, manuscripts in this area must contain sufficient biological data to characterize pharmacologically the compounds reported. Submissions describing work focused predominately on chemical synthesis and molecular modeling will not be considered for review.

While particular emphasis is placed on reporting the results of molecular and biochemical studies, research involving the use of tissue and animal models of human pathophysiology and toxicology is of interest to the extent that it helps define drug mechanisms of action, safety and efficacy.

Reports describing experiments conducted with natural product mixtures, plant or animal extracts will not be considered for publication unless the structures and concentrations of all component substances are known, and the agents can be easily obtained by others wishing to replicate the study.

The chemical structure of all novel compounds tested must be included in the submitted manuscript or be readily accessible in the published literature. References to structures in the patent literature must unambiguously identify a single molecular structure. All compounds, reagents, instrumentation and equipment employed in a study must be available from identified commercial suppliers, bio/pharmaceutical companies or from individuals holding legal rights to their use. Submissions will not be considered for publication if the chemical structures of tested compounds are not revealed, generally known, or accessible in the literature.
Original research submissions must contain: A rationale for the selection of the compound/drug for study as well as for the concentrations/doses employed. Quantities used for concentration- and dose-response experiments should vary logarithmically, e.g., 1, 3, 10, 30 mg/kg, 0.1, 1.0, 10, 100 nanomolar, etc. Justification must be provided for studying only a single concentration or dose of a compound, especially as it relates to reference standards and antagonists/modulators of receptors, enzymes and signaling pathways. Justification must also be provided for the selection of the statistical tests employed as they relate to the experimental design. It is expected that all findings have been subjected to rigorous quantitative analyses, with the calculation and reporting of IC$_{50}$, K$_{i}$, EC$_{50}$, etc., values. These must be derived from a minimum of three (3) separate and distinct experiments, with the replicates within any single experiment being averaged to obtain a single value for that experimental series. Manuscripts that fail to meet these criteria will be subject to rejection without peer-review.

US National Institutes of Health (NIH) voluntary posting ("Public Access") policy
Biochemical Pharmacology and Elsevier facilitate the author's response to the NIH Public Access Policy.

Please bookmark this URL: http://www.elsevier.com/locate/biochempharm

Benefits to authors
We also provide many author benefits, such as free PDFs, a liberal copyright policy, special discounts on Elsevier publications and much more. Please click here for more information on our author services.

Please see our Guide for Authors for information on article submission. If you require any further information or help, please visit our Support Center

AUDIENCE
Pharmacologists, Biochemists, Toxicologists, Neuroscientists, Molecular and Cellular Biologists.

IMPACT FACTOR
2018: 4.825 © Clarivate Analytics Journal Citation Reports 2019

ABSTRACTING AND INDEXING
Current Contents
BIOSIS Citation Index
Elsevier BIOBASE
Chemical Abstracts
Current Contents - Life Sciences
Embase
Current Contents
Pascal Francis
Current Contents
Current Contents
PubMed/Medline
Reference Update
Scopus

EDITORIAL BOARD

Editor-in-Chief
S.J. Enna, UNIVERSITY OF KANSAS MED CTR, Kansas City, Kansas, United States

Editor
Jacques Piette, University of Liege, Liege, Belgium
G. Perry, University of Texas at San Antonio Department of Biology, San Antonio, Texas, United States
R.D. Spealman, McLean Hospital, Belmont, Massachusetts, United States
A.D. Wickenden, Janssen Research and Development La Jolla, San Diego, California, United States
J.M. Witkin, Witkin Consulting, Carmel, Indiana, United States

Pharmacokinetics and Drug Metabolism
E.C.Y. Chan, National University of Singapore, Singapore, Singapore
B. Hagenbuch, UNIVERSITY OF KANSAS MED CTR, Kansas City, Kansas, United States
J.R. Idle, Long Island University, Brooklyn, New York, United States
K.-I. Inui, Kyoto Pharmaceutical University, Kyoto, Japan
Y. Kanai, Osaka University, Osaka, Japan
H. Yamazaki, Showa Pharmaceutical University Department of Drug Metabolism and Pharmacokinetics, Tokyo, Japan

Pulmonary, Renal and Hepatic
K. Ask, The Research Institute of St Joe's Hamilton, Hamilton, Ontario, Canada

Toxicology
J. Arellanes-Robledo, National Institute of Genomic Medicine Protein Structure Consortium, Mexico City, Mexico
K.W. Bock, Eberhard Karls University Tübingen, Tübingen, Germany
C.C. Bridges, Mercer University School of Medicine, Macon, Georgia, United States
P. Burcham, The University of Western Australia School of Biomedical Sciences, Nedlands, Australia
B.J. Day, National Jewish Health, Denver, Colorado, United States
S. van de Graaf, Academic Medical Center, Amsterdam, Netherlands
B. Ning, National Center for Toxicological Research, Jefferson, Arkansas, United States
P.C. Sil, Bose Institute, Kolkata, India
INTRODUCTION

Biochemical Pharmacology is an international peer reviewed journal devoted to publishing original research and invited reviews and commentaries on the interaction of chemical compounds with biological systems. Manuscripts describing experiments conducted with chemical mixtures, plant or animal extracts will not be considered for publication unless the chemical structures and precise concentrations of all substances are reported.

While particular emphasis is placed on reporting findings that relate to pharmacodynamics, pharmacokinetics, and metabolism of both small molecules and biologics at the biochemical and molecular levels, submissions in the areas of behavioral and physiological pharmacology and toxicology are considered if they describe studies directed at defining mechanisms of action. All areas related to the field of pharmacology are represented in the journal including, but not limited to, chemotherapy, neuropharmacology, inflammation/immunopharmacology, antimicrobials, behavioral, respiratory, gastrointestinal, cardiovascular and endocrine pharmacology and toxicology.

Reports describing de novo results of clinical studies and those that predominately or exclusively concern database mining and analysis and computational methodologies, e.g. CAMD, are outside the scope of the journal.

Types of papers
(1) Full-length Research Papers. Biochemical Pharmacology publishes original research on issues of relevance to the field of pharmacology.
(2) Reviews and Commentaries. These articles are by invitation only and provide the authors’ views on a selected topic of interest to pharmacologists.

Manuscript preparation and submission
Provided below is detailed information on the scientific criteria and manuscript formatting required for an article to be considered for publication in Biochemical Pharmacology. The online submission process includes the Scientific Submission Checklist (Table 1) on the Additional Information Screen at https://ees.elsevier.com/bcp. Failure to accurately complete the Scientific Submission Checklist questions, automatically disqualifies the work for consideration. See Mullane et al., Guidelines for Manuscript Submission in the Peer-Reviewed Pharmacological Literature (Biochem. Pharmacol. 97:225-235, 2015; http://www.sciencedirect.com/science/article/pii/S0006295215003585) for a detailed discussion of the issues addressed in the Scientific Submission Checklist.

Table 1. Scientific Submission Checklist
Please answer the following questions with "Yes", "No", or "Not applicable".

Formatting
Only video or audio files may be uploaded as supplementary data. The submission will automatically be rejected if the first question is marked "no" (i.e. supplementary tables or figures are not permitted).
1. As Biochemical Pharmacology does NOT publish supplemental data with the exception of audio or video files, are all necessary data included in the body of the manuscript?
2. Are all tables and figures numbered and appropriately titled with descriptive legends that permit stand-alone interpretation? Are all data shown in the tables and figures also described in the Results section, discussed in the Discussion section and stated in the Conclusions?

Introduction Section
3. Is there a clear statement with background describing the hypothesis being tested by this study? Are the primary endpoints clearly stated?

Materials and Methods Section
4. Were human tissues or fluids used in this study? Were the experiments reviewed and approved by the Institutional review Board (IRB)?
5. Were animals used in the study? Has the species, strain, sex, weight and source of the animals been provided? If used, is the method of anesthesia described? Were the experiments reviewed and approved by the Instructional Animal Care and Use Committee (IACUC)?
6. Are the source(s) and passage number of cell lines indicated and authenticated by you or the vendor?
7. Is (are) the chemical structure(s) of any new compound(s) presented as a figure or referenced in the peer-reviewed literature?
8. Are the sources of all materials clearly indicated? If used, has the selectivity of antibodies and/or interference RNA been validated and their source clearly indicated?
9. Is the rationale for the selection of concentrations, doses, route and frequency of compound administration provided?
10. Are quantified results (e.g., IC50 and/or EC50 values) of concentration- and dose-response experiments included in the manuscript?
11. Are all group sizes approximately the same and clearly indicated in the text and/or in the tables and figures?
12. Were the criteria used for excluding any data from analysis determined prospectively and clearly stated?
13. Was the investigator responsible for data analysis blinded to which samples/animals represent control and treatment groups?
14. Are the reported data displayed as means +/- standard deviation (SD)? Is the number of replicates of three or more independent experimental observations clearly indicated? Were post-hoc tests used to assess the statistical significance among means? Is the threshold for statistical significance (P value) clearly indicated?

Results Section
15. If western blots are shown, are the appropriate loading controls, replication data, and quantification and statistical analysis shown?
16. If PCR and RT-PCR are included, were MIQE guidelines followed? Was a reference standard (positive or negative controls) included in the study to validate the experiment?

Discussion Section
17. Are the primary conclusions and any secondary endpoints and their implications clearly stated?
18. Are the limitations of the current study or alternative interpretations of the findings clearly stated?

Conflict of Interest/Financial Support
19. Is a conflict of interest statement included in the manuscript?
20. Are all organizations providing funding for this work listed in Acknowledgements? In the online submission system, please list any additional explanation(s) you feel may be necessary on the above questions.

Please list any additional explanation(s) you feel may be necessary on the above questions:

BEFORE YOU BEGIN

Ethics in publishing
Please see our information pages on Ethics in publishing and Ethical guidelines for journal publication.

Declaration of interest
All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential competing interests include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. Authors must disclose any interests in two places: 1. A summary declaration of interest statement in the title page file (if double-blind) or the manuscript file (if single-blind). If there are no interests to declare then please state this: ‘Declarations of interest: none’. This summary statement will be ultimately published if the article is accepted.
2. Detailed disclosures as part of a separate Declaration of Interest form, which forms part of the journal’s official records. It is important for potential interests to be declared in both places and that the information matches. More information.

Submission declaration and verification
Submission of an article implies that the work described has not been published previously (except in the form of an abstract, a published lecture or academic thesis, see ‘Multiple, redundant or concurrent publication’ for more information), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in
English or in any other language, including electronically without the written consent of the copyright-holder. To verify originality, your article may be checked by the originality detection service Crossref Similarity Check.

Preprints
Please note that preprints can be shared anywhere at any time, in line with Elsevier's sharing policy. Sharing your preprints e.g. on a preprint server will not count as prior publication (see 'Multiple, redundant or concurrent publication' for more information).

Use of inclusive language
Inclusive language acknowledges diversity, conveys respect to all people, is sensitive to differences, and promotes equal opportunities. Articles should make no assumptions about the beliefs or commitments of any reader, should contain nothing which might imply that one individual is superior to another on the grounds of race, sex, culture or any other characteristic, and should use inclusive language throughout. Authors should ensure that writing is free from bias, for instance by using 'he or she', 'his/her' instead of 'he' or 'his', and by making use of job titles that are free of stereotyping (e.g. 'chairperson' instead of 'chairman' and 'flight attendant' instead of 'stewardess').

Author contributions
For transparency, we encourage authors to submit an author statement file outlining their individual contributions to the paper using the relevant CRediT roles: Conceptualization; Data curation; Formal analysis; Funding acquisition; Investigation; Methodology; Project administration; Resources; Software; Supervision; Validation; Visualization; Roles/Writing - original draft; Writing - review & editing. Authorship statements should be formatted with the names of authors first and CRediT role(s) following. More details and an example

Changes to authorship
Authors are expected to consider carefully the list and order of authors before submitting their manuscript and provide the definitive list of authors at the time of the original submission. Any addition, deletion or rearrangement of author names in the authorship list should be made only before the manuscript has been accepted and only if approved by the journal Editor. To request such a change, the Editor must receive the following from the corresponding author: (a) the reason for the change in author list and (b) written confirmation (e-mail, letter) from all authors that they agree with the addition, removal or rearrangement. In the case of addition or removal of authors, this includes confirmation from the author being added or removed.

Only in exceptional circumstances will the Editor consider the addition, deletion or rearrangement of authors after the manuscript has been accepted. While the Editor considers the request, publication of the manuscript will be suspended. If the manuscript has already been published in an online issue, any requests approved by the Editor will result in a corrigendum.

Article transfer service
This journal is part of our Article Transfer Service. This means that if the Editor feels your article is more suitable in one of our other participating journals, then you may be asked to consider transferring the article to one of those. If you agree, your article will be transferred automatically on your behalf with no need to reformat. Please note that your article will be reviewed again by the new journal. More information.

Copyright
Upon acceptance of an article, authors will be asked to complete a 'Journal Publishing Agreement' (see more information on this). An e-mail will be sent to the corresponding author confirming receipt of the manuscript together with a 'Journal Publishing Agreement' form or a link to the online version of this agreement.

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution and for all other derivative works, including compilations and translations. If excerpts from other copyrighted works are included, the author(s) must obtain written permission from the copyright owners and credit the source(s) in the article. Elsevier has preprinted forms for use by authors in these cases.

For gold open access articles: Upon acceptance of an article, authors will be asked to complete an 'Exclusive License Agreement' (more information). Permitted third party reuse of gold open access articles is determined by the author’s choice of user license.
**Author rights**
As an author you (or your employer or institution) have certain rights to reuse your work. [More information.]

**Elsevier supports responsible sharing**
Find out how you can share your research published in Elsevier journals.

**Open access**
This journal offers authors a choice in publishing their research:

**Subscription**
- Articles are made available to subscribers as well as developing countries and patient groups through our universal access programs.
- No open access publication fee payable by authors.
- The Author is entitled to post the accepted manuscript in their institution's repository and make this public after an embargo period (known as green Open Access). The published journal article cannot be shared publicly, for example on ResearchGate or Academia.edu, to ensure the sustainability of peer-reviewed research in journal publications. The embargo period for this journal can be found below.

**Gold open access**
- Articles are freely available to both subscribers and the wider public with permitted reuse.
- A gold open access publication fee is payable by authors or on their behalf, e.g. by their research funder or institution.

Regardless of how you choose to publish your article, the journal will apply the same peer review criteria and acceptance standards.

For gold open access articles, permitted third party (re)use is defined by the following Creative Commons licenses:

**Creative Commons Attribution (CC BY)**
Lets others distribute and copy the article, create extracts, abstracts, and other revised versions, adaptations or derivative works of or from an article (such as a translation), include in a collective work (such as an anthology), text or data mine the article, even for commercial purposes, as long as they credit the author(s), do not represent the author as endorsing their adaptation of the article, and do not modify the article in such a way as to damage the author's honor or reputation.

**Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND)**
For non-commercial purposes, lets others distribute and copy the article, and to include in a collective work (such as an anthology), as long as they credit the author(s) and provided they do not alter or modify the article.

The gold open access publication fee for this journal is **USD 4250**, excluding taxes. Learn more about Elsevier's pricing policy: [https://www.elsevier.com/openaccesspricing](https://www.elsevier.com/openaccesspricing).

**Green open access**
Authors can share their research in a variety of different ways and Elsevier has a number of green open access options available. We recommend authors see our open access page for further information. Authors can also self-archive their manuscripts immediately and enable public access from their institution's repository after an embargo period. This is the version that has been accepted for publication and which typically includes author-incorporated changes suggested during submission, peer review and in editor-author communications. Embargo period: For subscription articles, an appropriate amount of time is needed for journals to deliver value to subscribing customers before an article becomes freely available to the public. This is the embargo period and it begins from the date the article is formally published online in its final and fully citable form. [Find out more.]

This journal has an embargo period of 12 months.

**Submission**
All articles must be submitted online at [http://ees.elsevier.com/bcp](http://ees.elsevier.com/bcp). Initial manuscripts may be submitted as pdfs but revised manuscripts must be uploaded as separate editable files (e.g. text and tables in Word or LaTeX and figures in common artwork formats see [https://www.elsevier.com/authors/author-schemas/artwork-and-media-instructions](https://www.elsevier.com/authors/author-schemas/artwork-and-media-instructions)).
Institutional Email Address
As of January 1st, 2016 manuscripts will not be considered for publication in Biochemical Pharmacology if the email address for the corresponding author does not reflect an affiliation with a research-based institution. Alternatively, the submission must be accompanied by a separate statement in English on institutional letterhead, which is signed by an official responsible for research activities for the institute from which the manuscript originates, verifying the corresponding author is affiliated with the research institution. The statement must also include official’s institutional email address and full contact information.

Categories
Authors must indicate on the title page which of the following categories best describes their work:
• Antibiotics and Chemotherapeutics
• Cardiovascular Pharmacology
• Gastrointestinal Pharmacology
• Inflammation and Immunopharmacology
• Metabolic Disorders and Endocrinology
• Neuropharmacology
• Pharmacokinetics and Drug Metabolism
• Pulmonary, Renal and Hepatic Pharmacology
• Toxicology

PREPARATION

Manuscript preparation

Language
Neither the Editorial Board nor the reviewers will provide detailed advice for improving the grammar and clarity of a manuscript, regardless of the scientific merit of the work. Authors are responsible for ensuring the article is written in clear English. Either American or British usage is accepted, but not a combination of the two. The use of spell-check and grammar-check offered in the word processing software is highly recommended. Manuscripts lacking linguistic clarity or that are not prepared according to the style guidelines outlined below will not be considered for publication. Authors can have their manuscript language-edited. See English Editing Services under Useful Links below.

Article Layout
Reports must be written in English with the pages numbered sequentially. The text must be double-spaced in single-column format with 1" or 25 mm margins. Size 12 (point) Times Roman or Arial font is preferred. The article must be divided into clearly defined and numbered sections. The required sections are 1. Introduction, 2. Materials and Methods, 3. Results, 4. Discussion, and References. See Mullane et al., Guidelines for Manuscript Submission in the Peer-Reviewed Pharmacological Literature (Biochem. Pharmacol. 97:225-235, 2015; http://www.sciencedirect.com/science/article/pii/S0006295215003585) for a detailed discussion of the topics that must be covered in each section. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ), 1.2, etc. The abstract is not included in section numbering. This numbering should be used for internal cross-referencing in the text. Subsections may be assigned a brief heading that appears alone on a separate line.

Title and Abstract
The article title should be concise but informative. All abbreviations must be spelled out fully when first mentioned in the abstract or body of the report.

Highlights
Highlights are optional yet highly encouraged for this journal, as they increase the discoverability of your article via search engines. They consist of a short collection of bullet points that capture the novel results of your research as well as new methods that were used during the study (if any). Please have a look at the examples here: example Highlights.

Highlights should be submitted in a separate editable file in the online submission system. Please use ‘Highlights’ in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point).
Keywords
Immediately following the abstract the authors must provide up to 6 keywords for indexing purposes. American spelling must be used, avoiding general and plural terms and multiple concepts. Only established abbreviations may be proposed as keywords.

Acknowledgments
Acknowledgments must be listed in a separate section at the end of the article before the references. The Acknowledgments should include the names of individuals, organizations and funding agencies that provided assistance in underwriting and reporting the work.

Nomenclature and abbreviations
Receptor and ion channel nomenclature must conform to guidelines of the Committee on Receptor Nomenclature and Drug Classification of the International Union of Basic and Clinical Pharmacology (IUPHAR) (http://www.guidetopharmacology.org/nomenclature.jsp). Use only abbreviations that are generally accepted by the scientific community. Click HERE to view the full list of abbreviations that can be employed without definition. Drugs or other compounds should only be identified by their chemical or generic names. The source, including company name and location, for all chemicals, reagents, cell lines, tissue, and experimental animals must be provided in Materials and Methods.

GenBank
GenBank accession numbers should be typed in bold, underlined text. Letters in the accession number should always be capitalized. Example: a B-cell tumor from a chronic lymphatic leukemia (GenBank accession no. BE675048), and a T-cell lymphoma (GenBank accession no. AA361117) In the final electronic version of the article, the accession number text will be linked to the appropriate source in the NCBI databases.

Equations and formulae
Equations and formulae should be typed and numbered consecutively with Arabic numerals in parentheses on the right hand side of the page (if referred to explicitly in the text).

Footnotes
Footnotes should be used sparingly and numbered consecutively throughout the text. Indicate the position of footnotes in the text and list them separately at the end of the article. Do not include footnotes in the Reference list.

Figure Legends
Illustrations must have a caption that is listed separately from the figure in the submitted version of the work. The caption should be self-explanatory without the need to reference the accompanying text. All symbols appearing on the illustration must be clearly defined in the figure legend.

Tables
All tables must be numbered consecutively in Arabic numerals and cited in the text in their order of appearance. Table titles should be brief and descriptive. Tables should appear individually on separate pages in the submitted version of the work, together with a legend that includes sufficient information about the experimental protocol and results so the reader does not have to refer back to the text to understand the experimental protocol and findings. Tables should not have vertical lines, and the number of horizontal lines should be minimized.

References
Citations in text
Ensure that every reference cited in the text is present in the reference list, and vice versa. Unpublished results and personal communications should not appear in the reference list, but may be indicated in the text.

Data References
While Biochemical Pharmacology does not publish supplemental tables or figures, it is acknowledged that some relevant datasets are too large to print in a volume of the journal. Elsevier collaborates with a number of repositories to link articles on ScienceDirect with extensive datasets, giving readers access to underlying data too large to print to offer a better understanding of the research described. Cite underlying or relevant datasets in your text and include a data reference in your Reference List.
Data references should include the following elements: author name(s), dataset title, data repository, version (where available), year, and global persistent identifier. Add [dataset] immediately before the reference so we can properly identify it as a data reference. The [dataset] identifier will not appear in your published article.


For supported data repositories a repository banner will automatically appear next to your published article on ScienceDirect.

In addition, you can link to relevant data or entities too large to print through identifiers within the text of your manuscript, using the following format: Database: xxxx (e.g., TAIR: AT1G01020; CCDC: 734053; PDB: 1XFN).

Reference formatting
There are no strict requirements on reference formatting for the initial submission. References can be in any style or format as long as they are consistent within the manuscript. Regardless of the format, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the pagination must be shown. Use of DOI is encouraged.

Reference management software
Most Elsevier journals have a standard template available in key reference management packages. This covers packages using the Citation Style Language, such as Mendeley (http://www.mendeley.com/features/reference-manager/: Elsevier [Numeric, with titles]) and also others like EndNote (http://endnote.com/downloads/style/biochemical-pharmacology) http://refman.com/downloads/styles/.

Graphical Abstract
Authors asked to submit a revised version of the work for consideration must also supply a graphical abstract at that time. The graphical abstract, which will be displayed on the online Table of Contents, should provide a concise summary of the work in pictorial form designed to capture the attention of a wide audience and for compilation of databases. Graphical Abstract text should not exceed 30 words. The content of the graphical abstract must be kept within an area of 5 cm tall by 17 cm wide (landscape shape). Authors are encouraged to limit graphical abstracts to 189 pixels tall by 642 pixels wide to ensure the image and text will be legible when displayed online. Existing landscape-oriented figures are welcomed as graphical abstracts once converted to these proportions. Authors must supply the graphic separately as an electronic file. See http://www.sciencedirect.com/science/journal/00062952/94/2 for examples of graphical abstracts.

AFTER ACCEPTANCE

Online proof correction
Corresponding authors will receive an e-mail with a link to our online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, you can also comment on figures/tables and answer questions from the Copy Editor. Web-based proofing provides a faster and less error-prone process by allowing you to directly type your corrections, eliminating the potential introduction of errors.
If preferred, you can still choose to annotate and upload your edits on the PDF version. All instructions for proofing will be given in the e-mail we send to authors, including alternative methods to the online version and PDF.
We will do everything possible to get your article published quickly and accurately. Please use this proof only for checking the typesetting, editing, completeness and correctness of the text, tables and figures. Significant changes to the article as accepted for publication will only be considered at this stage with permission from the Editor. It is important to ensure that all corrections are sent back to us in one communication. Please check carefully before replying, as inclusion of any subsequent corrections cannot be guaranteed. Proofreading is solely your responsibility.

Offprints
The corresponding author will, at no cost, receive a customized Share Link providing 50 days free access to the final published version of the article on ScienceDirect. The Share Link can be used for sharing the article via any communication channel, including email and social media. For an extra charge, paper offprints can be ordered via the offprint order form which is sent once the article is
accepted for publication. Both corresponding and co-authors may order offprints at any time via Elsevier's Author Services. Corresponding authors who have published their article gold open access do not receive a Share Link as their final published version of the article is available open access on ScienceDirect and can be shared through the article DOI link.

Useful Links
Listed below are links to sites that provide additional details on topics relating to the preparation and submission of manuscripts for publication in *Biochemical Pharmacology* as well as post-publication resources.

English Editing Services: [http://webshop.elsevier.com/languageediting](http://webshop.elsevier.com/languageediting)  
Electronic Artwork: [https://www.elsevier.com/authors/author-schemas/artwork-and-media-instructions](https://www.elsevier.com/authors/author-schemas/artwork-and-media-instructions)  
Acceptable Abbreviations: [https://www.elsevier.com/__data/promis_misc/bcp_abbreviations.pdf](https://www.elsevier.com/__data/promis_misc/bcp_abbreviations.pdf)  
Database Linking: [https://www.elsevier.com/databaselinking](https://www.elsevier.com/databaselinking)  
Tracking Accepted Articles: [https://authors.elsevier.com/tracking/landingpage/selection](https://authors.elsevier.com/tracking/landingpage/selection)  
Commercial Reprints: [https://www.elsevier.com/advertising-reprints-supplements](https://www.elsevier.com/advertising-reprints-supplements)  
Reprint Permissions: [https://www.elsevier.com/permissions](https://www.elsevier.com/permissions)

**Editorial Office**  
*Biochemical Pharmacology* Editorial Office, University of Kansas Medical Center, 3901 Rainbow Boulevard, Mail Stop 4016, Kansas City, Kansas, KS 66160, USA, Tel: +1-913-588-7533, Fax: +1-913-588-7373. bp@kumc.edu.

© Copyright 2018 Elsevier | [https://www.elsevier.com](https://www.elsevier.com)