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Clinical and Translational Science

GUIDE TO AUTHORS

ABOUT THE JOURNAL

SCOPE

Clinical and Translational Science (CTS), an official journal of the American Society for Clinical Pharmacology and Therapeutics, highlights original translational medicine research that helps bridge laboratory discoveries with the diagnosis and treatment of human disease. Translational medicine is a multi-faceted discipline with a focus on translational therapeutics. In a broad sense, translational medicine bridges across the discovery, development, regulation, and utilization spectrum. Research may appear as Full Articles, Brief Reports, Commentaries, Phase Forwards (clinical trials), Reviews, or Tutorials. *CTS* also includes invited didactic content that covers the connections between clinical pharmacology and translational medicine. These additional features provide context for research articles and facilitate understanding for a wide array of individuals interested in clinical and translational science. *CTS* welcomes high quality, scientifically sound, original manuscripts focused on clinical pharmacology and translational science, including animal, *in vitro, in silico,* and clinical studies supporting the breadth of drug discovery, development, regulation and clinical use of both traditional drugs and innovative modalities.

Topics of interest include:

- Translational medicine, including studies focused on Interrogation/evaluation of mechanism-of-action, human physiology, and interruption of disease pathophysiology
- Hypothesis generating non-clinical and clinical studies, including small clinical trials
- Clinical pharmacology studies with a focus on translational research in discovery, development, regulation and use of pharmacologic agents to improve clinical outcome, and inform optimal use of therapeutics in patients
- Evaluation of various biomarkers as well as assessing the linkage between biomarker response and clinical endpoints in patients, including studies that identify or support biomarkers that can be used at any stage of drug development
- Studies of response to a therapeutic intervention in a particular disease that may translate to a response in another disease, as well as translation of safety signals across species and/or patient populations
- The science and practice of translational medicine, including topics such as models of human disease and their therapeutic implications as well as practical aspects like improvements to study design or conduct and translational medicine methods.
- Studies that guide Phase 2 dose selection
- Studies that demonstrate effective translation between basic and clinical science
- Precision medicine
- Genomic medicine, including pharmacogenomics, next generation sequencing, pharmacometabolomics, and functional genomics
- Electronic and mobile health applications as well as wearables
- Regulatory and public health policy implications of translational studies
- Quantitative and systems pharmacology, PK/PD model-based and mechanistic understanding of disease biology and pharmacology, as these relate to translational medicine

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ABSTRACTING

This journal is covered by: Academic Search (EBSCO Publishing), Academic Search Alumni Edition (EBSCO Publishing), Biological Abstracts (Thomson Reuters), BIOSIS Previews (Thomson Reuters), Biotechnology & Bioengineering Abstracts (ProQuest), CSA Biological Sciences Database (ProQuest), Embase (Elsevier), MEDLINE/PubMed (NLM), Science Citation Index Expanded (Thomson Reuters), SCOPUS (Elsevier), and Web of Science (Thomson Reuters).

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- Report original scientific research (the main results and conclusions must not have been published or submitted elsewhere)
- Are of outstanding scientific importance
- Reach a conclusion of interest to an interdisciplinary readership

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PREPARATION OF MANUSCRIPTS

CONTENT TYPES

Author Submissions (1) Article, (2) Review, (3) Phase Forward, (4) Commentary, (5) Book Review, (6) Letter to the Editor, (7) Tutorial, (8) Brief Report Submissions that do not adhere to the guidelines provided in this document will be returned to the author prior to consideration. Material that cannot fit within the allowed limit may be submitted as supplementary information.

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Word Limit: 4,000 words excluding abstract, references, tables, and figures
Abstract: 150 words maximum
References: 50 maximum
Figures/Tables: 7 maximum
Substantial novel research

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Abstract: no abstract for this article type; should include a 75-word Introduction
References: 75-100 maximum
Figures/Tables: 8 maximum
High-quality, timely reviews covering important topics in the entire field of translational medicine

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Manuscripts developed from well-conducted, well reported, and relevant clinical trials with a particular focus on first-in-human, first-in-patient, and proof-of-concept.

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Typically highlights findings of a paper in the same issue, presented in a wider scientific and clinical context

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Educational article providing practical tutorial on tools, methodologies and approaches in translational medicine.

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Abstract
Introduction
Methods (must contain IRB or IACUC approval: see **Informed Consent and Ethics** below)
Results
Discussion
Study Highlights
Acknowledgements
Conflict of Interest/Disclosure
Author Contributions
References
Figure Legends

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Abbreviations Abbreviations should be defined at the first mention in the text and in each table and figure. Write out the full term for each abbreviation at its first use unless it is a standard unit of measure. For a list of standard abbreviations, please consult the CSE Manual for Authors, Editors, and Publishers (available from the Council of Science Editors, 12100 Sunset Hills Road, Suite 130, Reston, VA 20190) or other standard sources.

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Original research articles should include a Study Highlights section after the Discusssion section in the manuscript text. The highlights section should include and answer each of the questions below. The entire section, not including the questions, should be under 150 words.

- What is the current knowledge on the topic?
- What question did this study address?
- What this study adds to our knowledge
- How this might change clinical pharmacology or translational science

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Upon submission, the corresponding author must confirm full access to all data in the study and final responsibility.

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A list of each authors' contributions should be provided in the manuscript text. The standard contributions include: Wrote Manuscript, Designed Research, Performed Research, Analyzed Data, and Contributed New Reagents/Analytical Tools.

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Eisen, H.N. *Immunology: An Introduction to Molecular and Cellular Principles of the Immune Response* 5th edn. (Harper & Row, New York, 1974).

Articles in books:

Weinstein, L. & Schwartz, M.N. Pathogenic properties of invading microorganisms. In *Pathologic Physiology: Mechanisms of Disease* (eds. Sodeman, W.A., Jr. & Sodeman, W.A.) 457–473 (W.B. Saunders, Philadelphia, 1974).

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