

ABOUT THE JOURNAL SCOPE

CPT: Pharmacometrics & Systems Pharmacology is a cross-disciplinary journal devoted to publishing advances in quantitative (e.g. modeling and simulation) methods as applied in pharmacology, physiology and therapeutics in humans. The journal welcomes original research articles, reviews and tutorials that bridge the following areas: pharmacometrics, modeling and simulation as applied to the design and evaluation of clinical trials, systems pharmacology modeling, particularly with a mechanistic link to human (patho) physiology, disease modeling, "population" or mixed-effects pharmacokinetics and pharmacodynamics (PKPD) modeling, modeling and simulation to support translational research, physiologically-based pharmacokinetics (PBBK), model-based meta-analyses of clinical trials, mechanism-based pharmacokinetic-pharmacodynamic modeling, computational pharmacology, bioinformatics, comparative efficacy, effectiveness and cost-effectiveness. Systems pharmacology may involve the application of systems biology approaches to study drug activities, targets and effects. The discipline is often defined with reference to engineering and pharmacological principles as the quantitative analysis of the dynamic interactions between drugs and a biologic system that aims to understand the behavior of the system as a whole. The common focus will be on quantitative methods that improve our understanding of pharmacology and therapeutics in humans.

CPT:PSP is an official journal of the American Society for Clinical Pharmacology and Therapeutics (ASCPT) and the International Society of Pharmacometrics (ISoP).

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ABSTRACTING

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EDITORIAL PROCESS

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The principal criteria for publication of papers in *CPT:PSP* are that they:

- 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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Upon submission, the manuscript is assigned to an Associate Editor covering the subject area, who makes the initial decision on whether to send it out for peer-review. The journal receives many more high-quality submissions than it can publish and the Associate Editors strive to identify maximally impactful papers. Papers not chosen for peer-review are quickly returned to the authors to minimize unproductive delays and allow sufficient time to prepare the manuscript for submission to another journal.

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PREPARATION OF MANUSCRIPTS

CONTENT TYPES

Author Submissions (1) Article, (2) Review, (3) Tutorial, (4) Database, (5) Perspective, (6) Commentary, (7) Book Review, (8) Letter to the Editor, (9) White Paper
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.

(1) Article

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

(2) Review

Word Limit: 4,000-8,000 words excluding introduction, references, tables, and figures

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 pharmacometrics and systems pharmacology

(3) Tutorial

Word Limit: 4,000-8,000 words excluding introduction, references, tables, and figures

Abstract: no abstract for this article type; should include a 75-word Introduction

References: 75-100 maximum

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Educational article providing practical tutorial on tools, methodologies and approaches in pharmacometrics and systems pharmacology

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Word Limit: 4,000 words excluding abstract, references, tables, and figures

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This article type describes a database that can be utilized by others for further pharmacometric or systems pharmacology analysis. The database should be freely and readily accessible

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Word Limit: 1,600 words excluding introduction, references, tables, and figures

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Figures/Tables: 2 maximum

Shorter pieces designed to give the author's perspective on current and emerging topics of importance to the development of the disciplines of pharmacometrics and systems pharmacology

(6) Commentary

Word Limit: 1,600 words excluding introduction, references, tables, and figures

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Figures/Tables: 2 maximum

Typically highlights findings in a wider scientific and clinical context

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Word Limit: 700 words

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(9) White Paper

An authoritative report to present best practices for addressing complex pharmacometrics and systems pharmacology issues. Interested authors should e-mail proposals to pspeditor@ascpt.org for pre-submission review.

PSP encourages the use of the following section headers, as appropriate:

Background

Basic Principles

Impact

Challenges and Controversies

Education and Training

Anticipated Outcomes

Recommendations

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Text Articles should consist of the following ordered sections:

Title Page
Abstract
Introduction

Methods (must contain IRB or IACUC approval: see **Informed Consent and Ethics** below)

Results
Discussion
Study Highlights
Acknowledgements
Author Contributions
References
Figure Legends

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- o What is the current knowledge on the topic?
- o What question did this study address?
- o What does this study add to our knowledge?
- o How might this change drug discovery, development, and/or therapeutics?

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ACKNOWLEDGMENTS

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Books:

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).

Website:

Fleischbein, J. Northeast Pacific long-term observation program. US GLOBEC <<http://globec.oce.orst.edu/groups/nep/index.html>> (2003). Accessed 13 April 2006. *CPT:PSP* is supported by EndNote Styles. To download the *CPT:PSP* style file, visit <http://www.endnote.com/support/enstyles.asp> and search for "*CPT: Pharmacometrics & Systems Pharmacology*."

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