

Special Issue

Population Pharmacokinetics: Where Are We Now?

Message from the Guest Editors

We invite you to contribute to our Special Issue, "Population Pharmacokinetics: Where Are We Now?" Population pharmacokinetics (PopPK) plays a growing role in drug development, regulatory decision-making, and patient care, addressing knowledge gaps in both preclinical and clinical settings. It provides robust quantitative foundations for dose selection, trial design, and personalized therapy. This issue highlights recent methodological advances and impactful applications that reflect the field's current state and future directions. Submissions may address, among others:

- **Methodological advances:** Machine learning integration with PopPK; automated covariate identification and model-building.
- **Model-informed drug development:** Translational PK/PD; exposure-response to explain variability and guide decisions.
- **Treatment-strategy advancements:** PopPK in special populations (pediatrics, pregnancy); real-world data for practice improvement.

We look forward to contributions that advance PopPK science and its clinical impact.

Guest Editors

Dr. Su-jin Rhee

College of Pharmacy, Wonkwang University, Iksan 54538, Republic of Korea

Dr. Eunsol Yang

Department of Bioengineering and Therapeutic Sciences, University of California, San Francisco, CA, USA

Deadline for manuscript submissions

28 February 2026



Pharmaceutics

an Open Access Journal
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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/253004

Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Patrick J. Sinko
Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, New Jersey 08854-8020, USA

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