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

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Editor-in-Chief

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