2025 QSP

July 29, 2025

7th Quantitative Systems Pharmacology (QSP) Symposium

University at Buffalo

School of Pharmacy and Pharmaceutical Sciences

The Symposium brings together scientists interested in quantitative systems pharmacology (QSP) to present and discuss contemporary approaches, including the challenges and opportunities for advancing the science and practice of QSP. It is hoped the symposium serves to stimulate collaborations and synergies amongst its participants to promote discoveries in the field of QSP.

To register, please visit: pharmacy.buffalo.edu/qsp

We look forward to your participation!

 - **Sukyung Woo and Anne Talkington**, 2025 QSP Symposium Co-Organizers

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Speakers

Heiko Enderling, PhD, FSMB, Radiation Oncology, University of Texas MD Anderson Cancer Center
PRiSM—Personalized Radiotherapy with Integrated Scientific Modeling

Teri Klein, PhD, Biomedical Data Science, Stanford University
Pharmacogenomics: Ready for Primetime or Hype?

Zhoumeng Lin, BMed, PhD, DABT, CPH, ERT, Environmental & Global Health, University of Florida
Machine Learning-empowered PBPK and QSAR Models to Predict Pharmacokinetics of Drugs and Nanoparticles

Aleksander Popel, PhD, Biomedical Engineering, Johns Hopkins University
Whole-patient and Spatial Quantitative Systems Pharmacology Models for Immuno-Oncology

Blerta Shtylla, PhD, Pharmacometrics & Systems Pharmacology, Pfizer
Current Progress and Future Opportunities for Innovation in Virtual Population Simulations for QSP

Amber Smith, PhD, Pediatrics, The University of Tennessee Health Science Center
Modeling Individual Variability and the Impact of Immune Diversity in Respiratory Infections

Anne Talkington, PhD, Pharmaceutical Sciences, University at Buffalo
Modeling Perturbations to Immune Activity in the Solid Tumor Microenvironment