

2023 QSP

July 26, 2023

Quantitative Systems Pharmacology 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.

Register online:

pharmacy.buffalo.edu/qsp-2023

We look forward to your participation!

- **Jim Gallo and Don Mager** 2023 QSP Symposium Co-Organizers

Speakers and Titles

Kelly Arnold, PhD, Biomedical Engineering, University of Michigan

A Systems Approach to Understand Variability in Antibody-Fc Receptor Interactions after Vaccination

Gordon Broderick, PhD, Rochester General Hospital, Director, Center for Clinical Systems Biology

Hacking Biology's Regulatory Programming to Drive Targeted Drug Repurposing

Rajan Dash, PhD, Biomedical Engineering, Medical College of Wisconsin

Computational Modeling to Solve the Mystery of Complex Biological Functions and Regulations

Sepideh Dolatshahi, PhD, Biomedical Engineering, University of Virginia

Leveraging immune-immune interactions in the tumor microenvironment in rational design of cancer therapies

Jana Gevertz, PhD, Mathematics & Statistics, The College of New Jersey

Guiding model-driven combination dose selection using multi-objective synergy optimization

Carlos Lopez, PhD, Multi-Scale Modeling Group, Altos Labs

From data to knowledge in network-driven cellular processes

Jason Papin, PhD, Biomedical Engineering, University of Virginia

Predicting function of microbial communities for therapeutic benefit