

2022 QSP Quantitative Systems Pharmacology Virtual Symposium

July 27-28, 2022

University at Buffalo School of Pharmacy and Pharmaceutical Sciences

This virtual symposium brings together scientists interested in Quantitative Systems Pharmacology (QSP) in order to present and discuss contemporary approaches, including the challenges and the opportunities for advancing the science and practice of QSP.

The 2022 Symposium is the 5th annual, and is a **free 2-day virtual event**.

Register online: pharmacy.buffalo.edu/qsp-2022

We look forward to your participation!

- **Jim Gallo and Don Mager**, 2022 QSP Symposium Co-Organizers

Speakers

Ivana Bozic, PhD, Department of Applied Mathematics, University of Washington
Dynamics of response and resistance to cancer therapy

Trey Ideker, PhD, University of California—San Diego
Building the Mind of Cancer

Boris Kholodenko, PhD, University College Dublin & Systems Biology Ireland
Overcoming kinase inhibitor resistance and oncogenic RAS signaling

Matthew Lazzara, PhD, Department of Chemical Engineering, University of Virginia
Data-driven computational modeling for the rational design of combination therapy for cancer

Fahima Nekka, PhD, Université de Montréal
Dynamical systems analysis as a complementary tool to inform treatment outcomes of immune-oncology

Amanda Randles, PhD, Department of Biomedical Engineering, Duke University
Computational modeling to optimize treatment schedules for glioblastoma

Matthew Riggs, PhD, Metrum Research Group
QSP to link learn/confirm with expand/understand in model-informed drug development

Peter Sorger, PhD, Laboratory of Systems Pharmacology, Harvard Medical School
Re-evaluating oncology clinical trials using data science