

VIRTUAL EVENT SERIES  
**DRUG DISCOVERY  
 AND DEVELOPMENT**  
 FEBRUARY 19, 2025



Date	Time	Track	Presentation Title	Speaker
19-Feb	07:30 - 08:30 AM	Laboratory QA/QC	Keynote Presentation: Impact on Pharmaceutical Development of the New Addendum to Testing for Carcinogenicity of Pharmaceuticals Within the ICH S1B(R1) Guideline	Frank Sistare, PhD Adjunct Professor within the Department of Pharmacotherapy and Experimental Therapeutics, University of North Carolina, Chapel Hill
19-Feb	09:00 - 10:00 AM	Advancing the Art: Improving Drug Discovery Methodology	Keynote Presentation: Exosomes versus Liposomes as Next Generation Therapeutics w/ Live Q&A	Volkmar Weissig, ScD, PhD, MS, BS Professor of Pharmacology (tenured) and Biomedical Sciences, Midwestern University
19-Feb	10:30 - 11:30 AM	Advancing the Art: Improving Drug Discovery & Delivery Methodology	Panel Presentation: From Concept to Compound: The Role of SYNTHIA™ in Modern Retrosynthesis and Library Design w/ Live Q&A	Dr. Ewa Gajewska, PhD Head of Product Management SYNTHIA™ Retrosynthesis Software, Digital Chemistry Emma Gardener, PhD Technical Application Scientist
19-Feb	12:00 - 01:00 PM		Leveraging Expert- Curated Knowledge from COSMIC and QIAGEN to Avoid Pitfalls, Qualify Candidate Drug Targets, and Accelerate Early Discovery	Kyle Nilson, PhD Field Software Trainer, QIAGEN Digital Insights
19-Feb	On Demand	Advancing the Art: Improving Drug Discovery & Delivery Methodology	Investigating Polymeric Nanocarriers for Efficient RNA Delivery	Dr. Shoaib Iqbal, PhD, Pharm D Assistant Professor, University of the Incarnate Word Feik School of Pharmacy
19-Feb	On Demand	Emerging Modalities in Drug Discovery and Preclinical Development	Novel Enzyme Specificities for Characterization of Large RNA Therapeutics	Balasubrahmanyam Addepalli, BS (Ag), MS, PhD Director, Waters Corporation
19-Feb	On Demand	Laboratory QA/QC	Practical and Effective Standards for Tumors, Experiments and Data for Patient-Derived Xenograft Studies	Nhu-An Pham, PhD Staff Scientist, Princess Margaret Living Biobank, University Health Network, Toronto, ON, Canada

19-Feb	On Demand	Emerging Modalities in Drug Discovery and Preclinical Development	Protein Engineering Strategies to Overcome Charge-Driven Clearance Liabilities of Monoclonal Antibodies	Md Tariqul Haque Tuhin, PhD Postdoctoral Fellow
19-Feb	On Demand	Laboratory QA/QC	The International Consortium for Innovation & Quality in Pharmaceutical Development - Microphysiological Systems Affiliate Overview	David Stresser, PhD Research Fellow, AbbVie
19-Feb	On Demand	Advancing the Art: Improving Drug Discovery & Delivery Methodology	Transferrin Receptor-Mediated Drug Delivery for Alzheimer's Disease	Rachita Sumbria, PhD Associate Professor, Chapman University School of Pharmacy, Associate Project Scientist, University of California
19-Feb	On Demand	Advancing the Art: Improving Drug Discovery & Delivery Methodology	Update on Pharmacogenomic Resources	Helen E. Smith, PhD Professor, Feik School of Pharmacy, University of the Incarnate Word