

VIRTUAL EVENT SERIES

DRUG DISCOVERY & DEVELOPMENT

FEBRUARY 21, 2024



| Date | Time | Track | Presentation Title | Speaker |
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| 21-Feb | 06:00 - 07:00 AM | Advancing the Art: Improving Drug Discovery Methodology | Enhancing Synthesis Workflows Through Computer-Assisted Retrosynthesis with Live Q&A | Dr. Ewa Gajewska, PhD Head of Product Management SYNTHIA™ Retrosynthesis Software, Digital Chemistry |
| 21-Feb | 06:00 - 07:00 AM | Biomarker Applications | 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 |
| 21-Feb | 07:30 - 08:30 AM | Biomarker Applications | Keynote Presentation: High-Throughput Interrogation of the Tumor Microenvironment Using Digital Image Analysis | Harry Nunns Senior Scientist, NeoGenomics Laboratories |
| 21-Feb | 09:00 - 10:00 AM | Advancing the Art: Improving Drug Discovery Methodology | Keynote Presentation: The Clinical Progression to Optimal Outcomes for Beta-Lactam Antibiotics: from Prolonging Infusions to Precision Dosing | Marc H. Scheetz, PharmD, MSc, FCCP, FCP Associate Dean of Research and Professor, College of Pharmacy, Professor, College of Graduate Studies, Departments of Pharmacology and Biomedical Sciences, Director, Pharmacometrics Center of Excellence, Northwestern University |
| 21-Feb | 10:30 - 12:00 PM | Emerging Modalities in Drug Discovery and Preclinical Development Emerging Assays | Keynote Presentation: The Integration of Interoceptive Signals and Defensive Behaviors via Neurohypophysial Hormones | Joanna Dabrowska, PhD, PharmD Associate Professor, Center for the Neurobiology of Stress Resilience and Psychiatric Disorders, Department of Cellular and Molecular Pharmacology, The Chicago Medical School, Rosalind Franklin University of Medicine and Science |
| 21-Feb | 11:30 - 12:30 PM | Emerging Modalities in Drug Discovery and Preclinical Development | Automating Liver Perfusion to Isolate Primary Hepatocytes with Live Q&A | Philipp Schlärmann, PhD Global Product Manager for Sample Preparation, Miltenyi Biotec B.V. & CO. KG |
| 21-Feb | 11:30 - 12:30 PM | New Methods in Pharmacogenomics: PGX of GPCRs | Multiplexed Mapping of the GPCR-RAMP Interactome | Jochen Schwenk, PhD Professor in Translational Proteomics, KTH Royal Institute of Technology |

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| 21-Feb | 12:00 - 01:00 PM | Advancing the Art: Improving Drug Discovery Methodology | Challenging the 'Art' of SPR with Live Q&A | Stuart Knowling, PhD Senior Scientist, Application Development |
| 21-Feb | 12:00 - 01:00 PM | Emerging Modalities in Drug Discovery and Preclinical Development | The Long and Short of mRNA Production | Daniel Dixon Field Applications Scientist Nucleic Acid Therapeutics Thermo Fisher Scientific |
| 21-Feb | 01:00 - 02:00 PM | Emerging Modalities in Drug Discovery and Preclinical Development | Accelerate Discovery and Development by Optimizing the Protein Engineering Workflow | Claudia Chiocchini Manager, Research and Development |
| 21-Feb | 01:00 - 02:00 PM | ADVANCING THE ART: IMPROVING DRUG DISCOVERY METHODOLOGY | Panel Presentation: Revolutionize Your Lab Work with Connected Electronic Pipettes with Live Q&A | Joni Åke Product Manager Liquid Handling Sandra Söderholm Application Development Scientist Liquid Handling |
| 21-Feb | On Demand | New Methods in Pharmacogenomics | A Stem Cell-based Approach to Lung Cancer | Huanhuan Joyce Chen, PharmD PhD Assistant Professor, The Pritzker School of Molecular Engineering, The Ben May Department for Cancer Research, The Committee on Development, Regeneration, and Stem Cell Biology, The University of Chicago |
| 21-Feb | On Demand | Emerging Modalities in Drug Discovery and Preclinical Development | An In Vitro Pre-Clinical MPS Model for Metabolic Associated Steatohepatitis for Drug Efficacy | Christiana Skarlatopoulou Scientist, CN-Bio |
| 21-Feb | On Demand | Emerging Modalities in Drug Discovery and Preclinical Development | CNS Delivery in Drug Development and Toxicology: Best Practices and Recent Advances | Simon Authier, DVM, MBA, PhD, DSP Principal Director, Scientific Operations and Veterinary Science, Charles River |
| 21-Feb | On Demand | Advancing the Art: Improving Drug Discovery Methodology | Development of an Interconnected Gut-Liver Model of Primary Human Origin Using Microphysiological Systems (MPS) for ADME Studies | Hailey Sze Scientist, CN-Bio Innovations |
| 21-Feb | On Demand | Emerging Modalities in Drug Discovery and Preclinical Development | Diosgenin Induces Anti-Hyperalgesic Effect via Antagonism of Transient Receptor Potential Vanilloid 1 in Pain Model | Dr. Md. Mahbubur Rahman, DVM, PhD Veterinarian and Biomedical Research Professor, College of Medicine, Gachon University |
| 21-Feb | On Demand | Emerging Modalities in Drug Discovery and Preclinical Development | Epithelial-Mesenchymal Transition in the Crosshairs: Novel Treatments to Kill Drug Resistant, Metastatic Cells in Cancer | Cai Roberts, PhD Assistant Professor, Pharmacology, Midwestern University |

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| 21-Feb | On Demand | Advancing the Art: Improving Drug Discovery Methodology | Picodroplets Enabling High Throughput Single Cell Screening and Isolation | Romina Durigon, PhD Senior Field Application Scientist, Sphere Fluidics Limited |
| 21-Feb | On Demand | Emerging Modalities in Drug Discovery and Preclinical Development | Proliferation Biomarkers in Drug Discovery and Development, The Immunoassay of Thymidine Kinase 1 | Martin Shaw Business Development, AroCell AB |
| 21-Feb | On Demand | Biomarker Applications | Unveiling the Therapeutic Potential of Two Sister Flavonoids Using Omics Based Approaches | Prasanth Puthanveetil, PhD Assistant Professor, Pharmacology, Midwestern University |
| 21-Feb | On Demand | Biomarker Applications | Validation of a hyperplex assay for single cell spatial analysis of multiple protein and RNA biomarkers within the tumor microenvironment (TME) | Courtney Todorov, PhD Senior Scientist, Scientific Manager Multiplexing, NeoGenomics Laboratories, Inc. |