

MidWest Drug  
Development  
Conference

*Oct. 4-5, 2021  
Omaha, Nebraska*

*The 2021 MidWest Drug Development Conference was made possible due to the generous support of its primary sponsors.*

**PhARMA**  
RESEARCH • PROGRESS • HOPE

**SHARP**hub

an initiative of BBCetc

# CONFERENCE SCHEDULE

**Day One** Monday, October 4 *All times CDT*

**9 a.m., CDT** — [Session Zoom Link](#)

- 👁 Selective GRK5 Inhibitors (John Tesmer, Purdue University)
- 👁 DHODH Inhibitors for Hematological Malignancies (Chad Bennett and Jerry Hilinski, Ohio State University)
- 👁 Dual Specific CAR T Cells for Cancer Therapy (Richard Vile, Mayo Clinic)
- 👁 Small Molecule PRMT5 Inhibitors for the Treatment of Pancreatic Cancer (Tao Lu, EQon Pharmaceuticals — Indiana University)

**10 a.m., CDT** — [Session Zoom Link](#)

- 👁 Novel mPGES-1 Inhibitors for Pain and Inflammatory Diseases (Chang-Guo Zhan, University of Kentucky)
- 👁 ProGel System for the Treatment of Pain and Inflammatory Diseases (Dong Wang, Ensign Pharmaceutical — U. of Neb. Med. Center)
- 👁 Strategically Substituted Agmatine Molecules for the Treatment of Pain (Carolyn Fairbanks, University of Minnesota)

**11 a.m., CDT** — [Session Zoom Link](#)

- 👁 Small Molecule Chaperones for the Restoration of acid- $\alpha$ -glucosidase Activity (Justin Levy, Cincinnati Children's Hospital)
- 👁 New treatment for Status Epilepticus starves problematic neurons (John Nagel, WARF)
- 👁 Serine Protease Inhibitors for the Treatment of Eosinophilic Esophagitis (Reid Smith, Cincinnati Children's Hospital)

**1 p.m., CDT** — [Session Zoom Link](#)

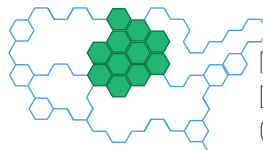
- 👁 Engineered Bacterial Strain for Eliminating Drug Resistance in GI tract (Landon Olp, Medical College of Wisconsin)
- 👁 Cell Therapy for the Treatment of Bacterial Infections (Ethan Mann, Validus Therapeutics — Colorado State University)
- 👁 Novel Antibiotics Targeting Beta-Lactamase (Brian Buntaine, University of Missouri)
- 👁 Antiviral Compounds Against SARS-CoV-2 infection (Jingxin Wang, University of Kansas)

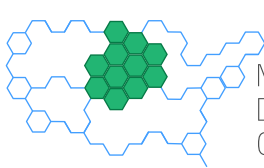
**2 p.m., CDT** — [Session Zoom Link](#)

- 👁 Human Chimeric Antigen Receptor Neutrophils (Xiaoping Bao, Purdue University)
- 👁 Novel Selective HDAC6 Inhibitors for Cancer (Xuedong Liu, University of Colorado-Boulder)
- 👁 RNA-binding Protein Inhibitors for Metastatic Cancers (Liang Xu, University of Kansas)
- 👁 Compounds for the Prevention of Radiation and Radiotherapy-based Side Effects (Ding Xue, University of Colorado-Boulder)

**3 p.m., CDT** — [Session Zoom Link](#)

- 👁 BMP-2 RNA System for Bone Regeneration (Sarah Sapouckey, University of Iowa)
- 👁 Nanoparticles for the Delivery of Bioactive Molecules (Rafael Diaz, WARF)
- 👁 Microparticles for Targeted Drug Delivery to Teeth (Abu Ahammadullah, University of South Dakota)





# CONFERENCE SCHEDULE

**Day Two** Tuesday, October 5 *All times CDT*

**9 a.m., CDT** — [Session Zoom Link](#)

- 🕒 **Novel Enzyme Therapeutics Targeting Childhood Dementia** (Ron Bruntz, University of Kentucky)
- 🕒 **Small Molecule Wnt Modulators for Alzheimer's Disease** (Yonghe Li, Mayo Clinic)
- 🕒 **Cadherin Peptides for the Enhanced Delivery of Therapeutics to the Brain** (Teruna Siahaan, University of Kansas)

**10 a.m., CDT** — [Session Zoom Link](#)

- 🕒 **Gene Therapy Approach for Metastatic Prostate Cancer** (Marxa Figueiredo, Purdue University)
- 🕒 **SVC112 a Translation Elongation Inhibitor for the Treatment of Cancer** (Tin Tin Su, Suvica — University of Colorado-Boulder)
- 🕒 **GRPr-PSMA Targeting Agents for Cancer** (Brian Buntaine, University of Missouri)
- 🕒 **Mitochondrial Targeted Small Molecules for Oncology** (Landon Olp, Medical College of Wisconsin)

**11 a.m., CDT** — [Session Zoom Link](#)

- 🕒 **Non-viral Formulation for Delivery of Lubricin Genes** (Hozhabr Mozafari, University of Iowa)
- 🕒 **Dual Hybrid AAV Vector System for Gene Therapy** (Brian Buntaine, University of Missouri)

**1 p.m., CDT** — [Session Zoom Link](#)

- 🕒 **DGMS-RAR7 for the Treatment of Pulmonary Arterial Hypertension** (Roberto Machado, Drax Therapeutics — Indiana University)
- 🕒 **Humanized Antibodies for the Treatment of Type 1 Diabetes** (Jan Czyzyk, University of Minnesota)
- 🕒 **Modulator of Dimethylarginine Dimethylaminohydrolase for the Treatment of Kidney Disease** (Jon Northrup, Vasculonics — Indiana U.)
- 🕒 **Engineering MSC CARs with a CAR for enhanced immunosuppression** (Saad Kenderian, Mayo Clinic)

**2 p.m., CDT** — [Session Zoom Link](#)

- 🕒 **Paclitaxel Prodrugs** (John Nagel, WARF)
- 🕒 **MUC16 Antibody for the Treatment of Cancer** (Surinder Batra, University of Nebraska Medical Center)
- 🕒 **TTK Kinase Inhibitors for Hematological Malignancies** (Jerry Hilinski and Celeste Alvarez, Ohio State University)
- 🕒 **Cancer Vaccine Strategy** (John Weston, PhotonPharma — Colorado State University)

**3 p.m., CDT** — [Session Zoom Link](#)

- 🕒 **Therapeutic Cancer Vaccine Platform** (Damian Gerald and Reena Shakya, Ohio State University)
- 🕒 **Vaccine against Enterotoxigenic Escherichia coli** (Aarushi Gupta, Kansas State University)
- 🕒 **Perforin Inhibitor for the Enhancement of Vaccine-elicited Responses** (Stephen Waggoner, Cincinnati Children's Hospital)

*The 2021 MidWest Drug Development Conference was made possible due to the generous support of its primary sponsors.*



*tech transfer for nebraska*

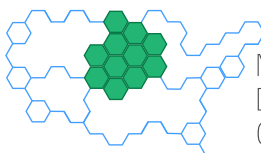


**University of Nebraska<sup>SM</sup>  
Medical Center**

**BREAKTHROUGHS FOR LIFE.<sup>®</sup>**



**UNeTech**  
INSTITUTE



MidWest Drug  
Development  
Conference

**[www.mwdrugdevelopment.com](http://www.mwdrugdevelopment.com)**

*Oct. 4-5, 2021*

*Omaha, Nebraska*

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment.