DEPARTMENT OF PHARMACEUTICS

Spring 2023 Seminar Series
Tuesdays 3:00-4:00 PM
Moos 5-125

Email kmjames@umn.edu to request a Zoom link

Jan 17	**HOW MUCH IS ENOUGH? BI-907828: A P53/MDM2 INHIBITOR WITH LIMITED BBB PENETRATION BUT POTENT EFFICACY IN GLIOBLASTOMA** ***Wenjuan Zhang**, PhD Candidate, Elmquist Lab*
Jan 24	**INVESTIGATE THE DUAL FUNCTIONALITY OF POLOXAMER 188: A CRYOPROTECTANT IN FROZEN SYSTEMS AND A BULKING AGENT IN FREEZE-DRIED FORMULATIONS** ***Jinghan Li**, PhD Candidate, Sury Lab*
Jan 31	**ENHANCING IMMUNE PROTECTION AGAINST INFECTIOUS DISEASES WITH AN ALBUMIN HITCHHIKING INTRANASAL VACCINE** ***Brittany Hartwell**, PhD, Assistant Professor, Department of Biomedical Engineering, University of Minnesota-Twin Cities*
Feb 7	**A RHEOLOGICAL APPROACH FOR PREDICTING PHYSICAL STABILITY AGAINST CRYSTALLIZATION OF AMORPHOUS SOLID DISPERSIONS** ***Sichen Song**, PhD Candidate, Siegel Lab*
Feb 14	**THE BLACK HOLE OF BRAIN TUMORS: BENDING LIGHT THIRTY YEARS LATER** ***William Elmquist**, PharmD, PhD, Distinguished Professor, Department of Pharmaceutics, University of Minnesota-Twin Cities*
Feb 21	**POWER IN NUMBERS: ADVANCING NANOMEDICINE THROUGH POOLED SCREENING AND OMICS APPROACHES** ***Natalie Boehnke**, PhD, Assistant Professor, Department of Chemical Engineering and Materials Science, University of Minnesota-Twin Cities*
Feb 28	**DELIVERY OF OLIGONUCLEOTIDES TO THE BLOOD-BRAIN BARRIER THROUGH CATIONIC LIPID NANODISCS** ***Joan Cheng**, PhD Student, Kandimalla Lab*
Mar 7	**NO SEMINAR – Spring Break**
Mar 14	**MOLECULAR MECHANISMS GOVERNING CEREBROVASCULAR INFLAMMATION IN ALZHEIMER'S DISEASE** ***Vrishali Salian**, PhD Candidate, Kandimalla Lab*
Mar 21	**TABLETABILITY FLIP OF DRUGS UPON FORMULATION** ***Zijian Wang**, PhD Student, Sun Lab* **PERICYTE-CONTROLLED GENES AND PATHWAYS IN THE BRAIN ENDOTHELIUM AND IMPLICATIONS FOR ALZHEIMER'S DISEASE** ***Doug Nelson**, PhD Student, Kandimalla Lab*
Mar 28	**THE LANDSCAPE OF MECHANICAL PROPERTIES OF AMORPHOUS DRUGS AND POLYMERS** ***Vikram Joshi**, PhD Student, Sun Lab* **MURINE CNS AND BONE MARROW DISTRIBUTION OF THE AURORA A KINASE INHIBITOR ALISERTIB: PHARMACOKINETICS AND EXPOSURE AT THE SITES OF EFFICACY AND TOXICITY** ***Juhee Oh**, PhD, Post-Doctoral Associate, Elmquist Lab*
Apr 4	**LEVERAGING PEDIATRIC BRAIN TUMOR MOUSE MODELS FOR GENETIC AND PRECLINICAL DISCOVERY** ***Timothy Phoenix**, PhD, Associate Professor, Division of Pharmaceutical Sciences, College of Pharmacy, University of Cincinnati*
Apr 11	**MECHANISTIC EXPLORATION OF THE TUMOR MICROENVIRONMENT AND BLOOD-BRAIN BARRIER FUNCTION USING MICROFLUIDIC CULTURE MODELS** ***Donald Miller**, PhD, Professor, Pharmacology and Therapeutics, Max Rady College of Medicine, University of Manitoba*
Apr 18	**TARGETING ANTI-TUBULIN TOXINS USING ANTIBODY OR APTAMER CARRIERS** ***Lina Le**, PhD Student, Elmquist Lab* **ENHANCING DRUG DELIVERY BY COCRYSTALLIZATION** ***Yunping Zhoujin**, PhD Student, Sun Lab*
Apr 25	**PHAGE DISPLAY AND NEW PEPTIDE SCREENING FOR NEUTROPHIL** ***Yiqin Li**, PhD Student, Pang Lab* **LITERATURE REVIEW ON ROLLER COMPACTION** ***Dhavalkumar Mori**, PhD Student, Sun Lab*