

DEPARTMENT OF PHARMACEUTICS

SPRING 2022 SEMINAR SERIES

Tuesdays 3:00-4:00 PM CST | NHH 2-101 or Remote/Online

Email kmjames@umn.edu to request a Zoom link

| | |
|--------|---|
| Jan 18 | INVESTIGATING THE NMDA RECEPTOR NEUROPHARMACOLOGY USING THE CALCIUM IMAGING TECHNIQUE IN MOUSE SPINAL CORD DORSAL HORN <i>Tongzhen Xie, Pharmaceutics Graduate Student, Fairbanks Lab</i> |
| Jan 25 | EVALUATING THE CNS DELIVERY OF P53/MDM2 PATHWAY INHIBITORS FOR THE TREATMENT OF BRAIN TUMORS <i>Wenjuan Zhang, Pharmaceutics Graduate Student, Elmquist Lab</i> |
| Feb 1 | ROLE OF PH AND ARGININE SALTS IN PREVENTING FREEZING-INDUCED PROTEIN AGGREGATION <i>Bhushan Munjal, PhD, Post-Doctoral Associate, Sury Lab</i> |
| Feb 8 | RESEARCH DAY 2022 – NO SEMINAR |
| Feb 15 | ANOMALOUS Aβ TRAFFICKING KINETICS AT THE BBB ENDOTHELIUM TRIGGERS CEREBROVASCULAR DYSFUNCTION IN ALZHEIMER'S DISEASE <i>Zengtao Wang, Pharmaceutics Graduate Student, Kandimalla Lab</i> |
| Feb 22 | THE STABILITY IMPLICATIONS OF DEVELOPING A CARRIER-BASED PLATFORM TECHNOLOGY FOR ORAL PROTEIN DELIVERY <i>Joan Cheng, Pharmaceutics Graduate Student, Sun Lab</i> |
| Mar 1 | CRYSTALLIZATION PROPENSITY OF AMORPHOUS PHARMACEUTICALS: KINETICS AND THERMODYNAMICS <i>NS Krishna Kumar, PhD, Post-Doctoral Associate, Sury Lab</i> |
| Mar 8 | SPRING BREAK – NO SEMINAR |
| Mar 15 | UNDERSTANDING POLYMORPH TRANSITIONS FOR LOW DIMENSIONAL PHARMACEUTICALS AND DYNAMIC ELECTRONICS <i>Ying Diao, PhD, Associate Professor, IC Gunsalus Scholar, Dow Chemical Company Faculty Scholar, Lincoln Excellence for Assistant Professor (LEAP) Scholar, Department of Chemical and Biomolecular Engineering, Department of Materials Science and Engineering (Affiliate), Beckman Institute, Molecular Science and Engineering, Materials Research Laboratory, University of Illinois at Urbana-Champaign</i> |
| Mar 22 | AMYLOID BETA PEPTIDES AND ENDOTHELIAL INSULIN RESISTANCE INHIBIT GLUCOSE TRANSPORT AT THE BLOOD-BRAIN BARRIER IN ALZHEIMER'S DISEASE <i>Lushan Wang, Pharmaceutics Graduate Student, Kandimalla Lab</i> |
| Mar 29 | PEPTIDE-GUIDED DELIVERY IMPROVES THERAPEUTIC EFFICACY AND SAFETY OF GLUCOCORTICOID DRUGS FOR ACUTE LUNG INJURY <i>Hong Guo, PhD, Post-Doctoral Associate, Pang Lab</i> EXTRACELLULAR VESICLES MEDIATE THE INTERCELLULAR EXCHANGE OF NANOPARTICLES <i>Xian Wu, PhD, Post-Doctoral Associate, Pang Lab</i> |
| Apr 5 | ERTUGLIFLOZIN (STEGLATRO™): A DRUG PRODUCT DEVELOPMENT STORY FROM DISCOVERY TO COMMERCIALIZATION <i>Kapil Arora, PhD, Associate Research Fellow, Pfizer</i> |
| Apr 12 | STABILIZATION EFFECT OF SURFACTANTS IN FROZEN AND FREEZE-DRIED PROTEIN FORMULATIONS <i>Jinghan Li, Pharmaceutics Graduate Student, Sury Lab</i> IMPACT OF PREPARATION ROUTES ON API PROPERTIES <i>Zijian Wang, Pharmaceutics Graduate Student, Sun Lab</i> |
| Apr 19 | TNF ALPHA MODULATES THE TRANSPORT OF AMYLOID BETA PROTEIN AT THE BLOOD BRAIN BARRIER AND AGGRAVATES CEREBROVASCULAR INFLAMMATION IN ALZHEIMER'S DISEASE <i>Vrishali Salian, Pharmaceutics Graduate Student, Kandimalla Lab</i> THEORY GUIDED MISCIBILITY DETERMINATION OF AMORPHOUS SOLID DISPERSIONS BY RHEOLOGICAL ANALYSIS <i>Sichen Song, Pharmaceutics Graduate Student, Siegel Lab</i> |
| Apr 26 | DIFFERENTIAL GENE EXPRESSION OF HUMAN BRAIN ENDOTHELIAL CELLS COMPARED TO ENDOTHELIAL CELLS CO-CULTURED WITH BRAIN PERICYTES <i>Doug Nelson, Pharmaceutics Graduate Student, Kandimalla Lab</i> MECHANICAL PROPERTIES OF AMORPHOUS SOLIDS <i>Vikram Chandrashekhhar Joshi, Pharmaceutics Graduate Student, Sun Lab</i> |