

DEPARTMENT OF PHARMACEUTICS

Spring 2021 Seminar Series Tuesdays, 3:00-4:00 PM Central Time

Email kmjames@umn.edu to request a Zoom link

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| Jan 19 | VALIDATION AND APPLICATIONS OF STRESS TRANSMISSION RATIO: A ROBUST PREDICTOR OF MATERIAL PLASTICITY <i>Gerrit Vreeman, Pharmaceutics Graduate Student, Sun Lab</i> |
| Jan 26 | A RATIONAL APPROACH TO THE CHOICE OF COMBINATION THERAPIES FOR NEWLY DIAGNOSED AND RECURRENT GBM <i>Sneha Rathi, Pharmaceutics Graduate Student, Elmquist Lab</i> |
| Feb 2 | β-CYCLODEXTRIN/PEG HYDROGEL MICROSPHERES AS A HYDROPHOBIC DRUG DELIVERY PLATFORM FOR CHEMOEMBOLIZATION <i>Joel Updyke, Pharmaceutics Graduate Student, Panyam & Siegel Labs</i> |
| Feb 9 | RESEARCH DAY 2021 – NO SEMINAR |
| Feb 16 | FACILITATING INTRACELLULAR THERAPEUTIC DELIVERY IN CANCER CELLS WITH ANTI-HSPG2 MONOCLONAL ANTIBODY <i>Zekun Shao, Pharmaceutics Graduate Student, Panyam Lab</i> |
| Feb 23 | IMPACT OF ALZHEIMER'S DISEASE AMYLOID-B PEPTIDES ON 18FLUORODEOXYGLUCOSE TRANSPORT AT THE BLOOD-BRAIN BARRIER <i>Lushan Wang, Pharmaceutics Graduate Student, Kandimalla Lab</i> ACIDITY OF FROZEN AND FREEZE-DRIED PROTEIN FORMULATIONS <i>Jinghan Li, Pharmaceutics Graduate Student, Sury Lab</i> |
| Mar 2 | GI DEVICE DEVELOPMENT IN A FEW MOVEMENTS <i>Giovanni Traverso, MB, BChir, PhD, Assistant Professor, Department of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts; Assistant Professor of Medicine (part-time), Division of Gastroenterology, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts</i> |
| Mar 9 | CRYSTALLIZATION IN AMORPHOUS SOLID DISPERSIONS: ROLE OF COOLING RATE DURING PREPARATION FROM MELT <i>Rahul Lalge, Pharmaceutics Graduate Student, Sury Lab</i> |
| Mar 16 | ENDOTHELIAL VCAM-1 EXPRESSION AS A MARKER FOR CEREBROVASCULAR INFLAMMATION IN ALZHEIMER'S DISEASE BRAIN <i>Vrishali Salian, Pharmaceutics Graduate Student, Kandimalla Lab</i> TARGETING P53/MDM2 PATHWAY IN THE TREATMENT OF GLIOBLASTOMA <i>Wenjuan Zhang, Pharmaceutics Graduate Student, Elmquist Lab</i> |
| Mar 23 | ENABLING TECHNOLOGIES FOR MANUFACTURING THERMOSTABLE AND COST-EFFECTIVE BIOPHARMACEUTICALS: VALUE CREATION THROUGH INNOVATION <i>Akhilesh Bhambhani, PhD, Senior Principal Scientist, Drug Product Development and New Technology, Merck & Co., West Point, Pennsylvania</i> |
| Mar 30 | DISSECTING THE CONTROL OF BLOOD FLOW THROUGH BRAIN CAPILLARIES <i>Andy Y. Shih, PhD, Associate Professor, Center for Development Biology and Regenerative Medicine, Seattle Children's Research Institute, Seattle, Washington</i> |
| Apr 6 | SPRING BREAK – NO SEMINAR |
| Apr 13 | AGMATINE INFLUENCE ON CELLULAR AND MOLECULAR PAIN SIGNALING <i>Tongzhen Xie, Pharmaceutics Graduate Student, Fairbanks Lab</i> A SEMI-MECHANISTIC PHARMACOKINETIC MODEL TO INVESTIGATE AMYLOID BETA TRAFFICKING AND ACCUMULATION AT THE BBB ENDOTHELIUM <i>Zengtao Wang, Pharmaceutics Graduate Student, Kandimalla Lab</i> |
| Apr 20 | CLINICAL TRIAL SIMULATIONS <i>Michael Donohue, PhD, Associate Professor of Neurology, Keck School of Medicine, University of Southern California, Los Angeles, California</i> |
| Apr 27 | ACHIEVING HIGH DRUG LOADED AMORPHOUS SOLID DISPERSIONS BY THE DE GENNES METHOD <i>Sichen Song, Pharmaceutics Graduate Student, Siegel Lab</i> IMPROVING THE POWDER PROPERTIES OF C10 FOR ORAL PROTEIN DELIVERY <i>Joan Cheng, Pharmaceutics Graduate Student, Sun Lab</i> |