

# DEPARTMENT OF PHARMACEUTICS

## Fall 2023 Seminar Series

Tuesdays 3:00-4:00 PM

Moos 5-125

Email [kmjames@umn.edu](mailto:kmjames@umn.edu) to request a Zoom link

Sept 5	<p><b>WELCOME TO THE DEPARTMENT OF PHARMACEUTICS AND INTRODUCTION TO THE SEMINAR SERIES</b>  <i>Ronald Siegel, ScD, Professor &amp; Department Head</i>  <i>Raj Suryanarayanan, PhD, Professor, Peters Endowed Chair &amp; Director of Graduate Studies</i>  <i>Katie M. James, Graduate Program Coordinator</i></p>
Sept 12	<p><b>ANNUAL SAFETY REFRESHER TRAINING (REQUIRED)</b>  <i>Rebecca Cuellar, PhD, STS, College Safety Officer</i>  <i>Jodi Oglvie, PhD, Research Safety Manager &amp; Chemical Hygiene Officer</i>  <i>Nancy Rolstad, MS, CBSP(ABSA), Biosafety Specialist</i></p>
Sept 19	<p><b>RESEARCH ETHICS</b>  <i>Raj Suryanarayanan, PhD, Professor, Peters Endowed Chair &amp; Director of Graduate Studies</i></p>
Sept 26	<p><b>BRAIN-PENETRATING NANOPARTICLES FOR DIAGNOSIS AND TREATMENT OF BRAIN TUMORS AND CNS DISEASES</b>  <i>Shirley X.Y. Wu, PhD, Professor, Department of Pharmaceutical Sciences, Leslie Dan Faculty of Pharmacy, University of Toronto</i></p>
Oct 3	<p><b>ABCG2: FROM DRUG RESISTANCE TO STEM CELLS AND BEYOND</b>  <i>John D. Schuetz, PhD, Member, Vice Chair, Department of Pharmaceutical Sciences, St. Jude Children's Research Hospital</i></p>
Oct 10	<p><b>STABILIZATION OF LIQUID PROTEIN FORMULATIONS: ROLE OF SURFACTANTS</b>  <i>Jinghan Li, PhD Candidate, Sury Lab</i></p>
Oct 17	<p><b>DRUG CRYSTALLIZATION IN AMORPHOUS SOLID DISPERSIONS: THE ROLE OF MOBILITY AND THERMODYNAMICS</b>  <i>N.S. Krishna Kumar, PhD, Researcher 6, Sury Lab</i></p>
Oct 24	<p><b>NO SEMINAR – AAPS Annual Meeting</b></p>
Oct 31	<p><b>CRYSTALLIZATION INHIBITION IN MOLECULAR LIQUIDS BY POLYMERS ABOVE THE OVERLAP CONCENTRATION (C*): DELAY OF THE FIRST NUCLEATION EVENT</b>  <i>Sichen Song, PhD Candidate, Siegel Lab</i></p>
Nov 7	<p><b>DELIVERY OF RNA TO THE BBB ENDOTHELIUM USING CATIONIC BICELLES</b>  <i>Joan Cheng, PhD Candidate, Kandimalla Lab</i></p>
Nov 14	<p><b>ENGINEERING CNS DRUG DELIVERY</b>  <i>Rachael Sirianni, PhD, Professor, Department of Neurological Surgery, University of Massachusetts Chan Medical School</i></p>
Nov 21	<p><b>ELUCIDATING MECHANISMS OF PAIN RELIEF VIA AGMATINE AND CENTRAL SENSITIZATION THROUGH TLQP-62</b>  <i>Tongzhen Xie, PhD Candidate, Fairbanks Lab</i></p>
Nov 28	<p><b>FACILITATING INTRACELLULAR THERAPEUTIC DELIVERY IN CANCER CELLS USING ANTI-HSPG2 ANTIBODY</b>  <i>Zekun Shao, PhD Candidate, Panyam Lab</i></p>
Dec 5	<p><b>A PRODRUG/ENZYME FORMULATION FOR RAPID INTRANASAL RESCUE FROM SEIZURE EMERGENCIES</b>  <i>Ronald Siegel, ScD, Professor &amp; Department Head</i></p>
Dec 12	<p><b>MODEL-BASED META-ANALYSIS OF THE MDS-UPDRS SCORES TO IMPROVE CLINICAL TRIAL EFFICIENCY FOR PARKINSON'S DISEASE</b>  <i>Zengtao Wang, PhD Candidate, Kandimalla Lab</i></p>