

Agenda Items

Thursday, September 11th, 1 PM EST, 2025

Registration Link: <https://us06web.zoom.us/meeting/register/XI8nPtgzS1OgVzhYD8mrtg#/registration>

1:00 - 1:05 PM Warm Welcome Address

Dr. Hardeep Singh Saluja, Department Chair, Professor of Pharmaceutical Sciences,
Southwestern Oklahoma State University

Live Competition Moderator: Sanjay Patel, Sr. Principal Scientist, Merck & Co., Inc.

- 1:05 - 1:15 PM** Investigating Failure Mechanisms of Amorphous Solid Dispersions Using Multi-Modal Imaging Techniques
Presenter: Michelle Cousineau, Purdue University
- 1:15 - 1:20 PM** Q&A Session
- 1:20 - 1:30 PM** Formulation factors affecting coning during dissolution for ibuprofen formulations
Presenter: Roopal Bhat, New Jersey Institute of Technology
- 1:30 - 1:35 PM** Q&A Session
- 1:35 - 1:45 PM** Topical liposomes for the treatment of Fuchs Endothelial Corneal Dystrophy (FECD) obviating the need for surgery
Presenter: Apurva Dusane, University of Iowa
- 1:45 - 1:50 PM** Q&A Session
- 1:50 - 2:00 PM** Beyond Particle Size: Influence of Agglomeration and Preparation Techniques on In Vitro Release of LAI Suspensions
Presenter: Saurabh Bhorkade, University of Connecticut
- 2:00 - 2:05 PM** Q&A Session
- 2:05 - 2:15 PM** Mechanistic Dissolution Modeling of Cannabidiol from Poloxamer-Coated Camel Milk Exosomes: In-Vitro, In-Vivo, and In-Silico
Presenter: Dr. Sandeep Padakanti, Florida A&M University
- 2:15 - 2:20 PM** Q&A Session
- 2:20 - 2:30 PM** Using Hypromellose Acetate Succinate (HPMCAS) Sodium Salts to Investigate the Release Mechanism of HPMCAS-based Amorphous Solid Dispersions
Presenter: Emily Benson, Purdue University
- 2:30 - 2:35 PM** Q&A Session
- 2:35 - 2:55 PM** Career Development Panel Discussion
Panelists: Hardeep S. Saluja, Donna Carroll (Principal Scientist, Merck & Co., Inc.)
Moderator: Dr. Jie Shen
- 2:55 - 3:00 PM** **Announcement of Winner and Closing Remarks**
Dr. Jie Shen, Associate Professor, Northeastern University

Note: Presenters are kindly requested to adhere to the allotted time to ensure a smooth flow of the program.