

CHICAGOLAND PHARMACEUTICAL DISCUSSION GROUP

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PROGRAM: COMPLEX LONG-ACTING PARENTERALS AND IN VITRO-IN VIVO CORRELATION

DATE: THURSDAY, SEPTEMBER 27, 2023 (NEW DATE)

SPEAKER: DR. JIE SHEN, SCHOOL OF PHARMACY AND PHARMACEUTICAL SCIENCES, NORTHEASTERN UNIVERSITY

Complex long-acting parenterals such as microspheres, implants, and in situ forming implants have become increasingly important as a means to deliver therapeutics in a controlled manner over periods of days to months to improve therapeutic effect and patient compliance. To facilitate the product development and regulatory review and approval processes, recent advances have been made toward the development of in vitro-in vivo correlation (IVIVC) for such complex drug products. The presentation will cover the development strategies and characterization of long-acting complex parenteral dosage forms as well as the development and considerations of IVIVC for these.

Dr. Shen is an Associate Professor at the Bouvé College of Health Sciences, Northeastern University. She received her Ph.D. in Pharmaceutical Sciences from the China Pharmaceutical University, Nanjing, China, and was a postdoctoral fellow and an Assistant Research Professor at the University of Connecticut. Before joining the Northeastern University, Dr. Shen was a tenured Associate Professor at the University of Rhode Island. She is the recipient of several prestigious awards, including AAPS Postdoctoral Fellow Award and IPEC-Americas Foundation Emerging Researcher Award. Dr. Shen is currently serving as the Chair of the AAPS In Vitro Release and Dissolution Testing (IVRDT) Community and Chair-elect of the CRS Diversified Products: Delivery Beyond Pharma (C&DP) Division. Dr. Shen has been serving as an Editorial Board member and guest editor of top-tier peer-reviewed journals such as the International Journal of Pharmaceutics and Pharmaceutics. She has published over 50 papers, 3 patents/patent applications, 70 conference abstracts and poster presentations. Dr. Shen's current research interests include formulation development, in vitro performance testing, bioequivalence assessment and IVIVC of complex dosage forms such as targeted nanocarriers, long-acting parenterals, as well as locally-acting dosage forms administered through ophthalmic, rectal and vaginal routes. Dr. Shen's group has also been focusing on 3D printing and bioprinting for pharmaceutical applications.

TIME: 5:30 PM – SOCIAL HOUR

6:00 PM – DINNER

7:00 PM – MEETING

PLACE: JAMESON'S CHARHOUSE

151 E TOWNLINE RD, VERNON HILLS

COST: \$55.00

**REGISTER AT cpdgmeeting@gmail.com
ZELLE PAYMENT AT cpdg2022@gmail.com**

THE DINNER MEAL CHOICES ARE THE FOLLOWING:

1. DE JONGHE CRUSTED COD – FRESH BAKED PACIFIC COD WITH SIGNATURE SAUCE
2. CHICKEN PICANTE – SAUTÉED IN WHITE WINE AND MUSHROOMS & SERVED WITH RICE AND VEGETABLES
3. VEGETABLE KABOBS (GREEN PEPPER, ONION, MUSHROOM AND TOMATO) – SERVED WITH RICE (VEGETARIAN)

WHEN REGISTERING, PLEASE INDICATE YOUR SELECTED DINNER MEAL:

Meal Choice: Fish, Chicken, or Vegetarian	First Name	Sur (Last) Name	Company

**MAIL CONFIRMATION WILL BE SENT
CPDG ACCEPTS CASH, CHECKS (PERSONAL OR COMPANY) OR THROUGH ZELLE
FIRST FIVE STUDENTS ARE FREE
PLEASE MAKE RESERVATIONS EARLY NO-SHOWS WILL BE BILLED ACCORDINGLY
MORE INFORMATION CAN BE FOUND ON THE CPDG WEBPAGE:**

<https://aaps-cpdg.org/>

Firm Registration Deadline of 12:00 p.m., Monday, September 25, 2023

**DIRECTIONS TO THE SEPTEMBER 27 (NEW DATE), CPDG MEETING AT JAMESON'S CHARHOUSE
151 E TOWNLINE RD, VERNON HILLS, IL**

- EXIT I-94 AT TOWN LINE RD. (60)
- HEAD WEST ON TOWN LINE ROAD (60) PAST MILWAUKEE AVE (21)
- RESTURANT WILL BE ON THE LEFT-HAND SIDE OF THE ROAD

