

**A Brief Report on Alumni Interaction series – Lecture II**

(Bridging the gap: Connecting to the World)

Date: 01.07.2022

***Name of the presenter:***

Dr Jwala Renukuntla,  
Associate Professor-Pharmaceutical Sciences  
Fred Wilson School of Pharmacy  
High Point University, High Point  
North Carolina, USA



***Title of the presentation:***

'Formulation strategies for enhancing solubility and permeability of small molecules' &  
'Research and job opportunities for Pharm D graduates in United States'

***Program Organized by:***

Dept. of Pharmacy Practice  
JSS College of Pharmacy, Ooty

& Pharmacy Education Unit  
JSS College of Pharmacy, Ooty

Alumni Interaction Series (AIS) is a new initiative of Dept. of Pharmacy Practice and Pharmacy Education Unit of JSS College of Pharmacy, Ooty to connect the Pharm D students with the alumnus of our department with the quote "Bridging the Gap-Connecting to the World". This interaction series will provide an opportunity to the Pharm D and M Pharm (Pharmacy Practice) students to establish their professional connection with the alumnus of the institution and also understand the various topics dealt by the invitee. Further, this interaction will help the students to better appreciate the various requirement for the academic learning including the pharmacotherapy knowledge, clinical case, etc.

Ms. Jwala Renukuntla graduated from JSS College of Pharmacy, Ooty with B Pharm and also received 'Gold medal' for her academic excellence in 2005. Later Ms. Jwala moved to United States of America to pursue Ph D at the University of Missouri, Kansas City where she specialized in Ocular drug delivery. Upon Graduation Dr Jwala joined as Assistant Professor in Tennessee and Texas, where she was involved in teaching PharmD. Presently Dr Jwala is working as Associate Professor of Pharmaceutical Sciences, Fred Wilson School of Pharmacy, High Point University, High Point, North Carolina. She is involved in teaching Pharm D students about Sterile-Nonsterile compounding and Pharmaceutics and electives drug delivery and advanced compounding. Her area of research includes solid lipid nanoparticles, micelles and gels for topical, transdermal and ocular drug delivery.

Dr Jwala started her discussion about how solubility and permeability affect the bioavailability of drugs. She spoke about how she started her work on poorly soluble drugs and formulation strategies to enhance solubility and permeability. Dr Jwala spoke about few projects she had worked with Pharm D students namely, Clotrimazole loaded ufosomes for enhanced topical delivery, preparation and characterization of folate decorated nanoparticles of lutein using PLGA-PEG-FOLATE polymer for enhanced uptake via folate receptor mediated endocytosis and preparation and characterization of furosemide silver loaded solid lipid nanoparticles for enhanced antibacterial activity.

Dr Jwala interacted with Pharm D students and explained about research opportunities available at various Universities across United States. She even, explained the importance of publications in Academics. She motivated the Pharm D students to involve more in research and enhance their subject knowledge which would help them to pursue higher studies and research at developed countries. Dr Jwala discussed about job opportunities for Pharm D graduates at United States and even discussed about salary perspectives for a fresher and senior Pharmacists at community and hospital settings. Finally, few students from Pharm D clarified their doubts about higher study and research

opportunities at United states. Dr S Ponnusankar invited Dr Jwala Renukuntla and delivered welcome address. Dr K P Arun, Associate Professor, Department of Pharmacy Practice delivered the vote of thanks. About 80 Pharm D students along with few staff from Department of Pharmacy Practice participated in the session. The report was drafted by Mr Vishwas H N.



Dr Jwala Renukuntla interacting with Pharm D students during the Alumni Interaction Series Lecture



Dr Jwala Renukuntla along with few Staff members of Department of Pharmacy Practice, JSSCP, Ooty