

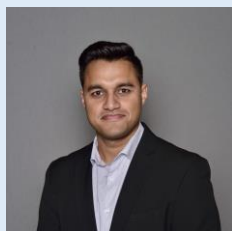
RESEARCH SEMINAR SERIES

The Center for Dermal Research welcomes

Dr. Vinam Puri, Research Scientist in Formulation R&D at Solaris Pharma Corporation

“Traditional and alternative approaches to establish bioequivalence of generic topical drug products”

Monday, May 1; 5:30 EST Remote



Vinam Puri is a Research Scientist in Formulation R&D at Solaris Pharma Corporation working on product development, scale-up and technology transfer activities to support the company's pipeline including complex semi-solid and liquid products. He received his Ph.D. in Pharmaceutical Sciences under Prof. Michniak-Kohn's mentorship from Rutgers University in October 2021 focusing on topical nail drug delivery. His areas of interest include topical, transdermal, and mucosal drug delivery with consideration on optimization of product and process development.

Abstract: One of the most fundamental requirements for developing generic topical products is to establish that the test product is bioequivalent to the reference listed product (RLD), i.e., establishing that there is no significant difference in rate and extent to which the active ingredient becomes available at the site of drug action, when similarly administered. Traditionally, bioequivalence (BE) is established by means of pharmacokinetic or clinical endpoints depending on the site of drug action. However, surrogate methods like in vitro release testing (IVRT) and in vitro permeation testing (IVPT) have been demonstrated to be able to infer the BE of topical products. Moreover, alternative approaches such as dermatopharmacokinetic (DPK), dermal microdialysis (DMK), near-infrared spectrometry (NIR), confocal Raman spectroscopy (CRS) have increasingly been shown to be promising approaches to evaluate BE of topical generic drug products. This presentation aims to provide an overview of available and promising approaches to establish BE of topical generic products and highlight how these approaches have been demonstrated to be useful for this objective.

CONFERENCE LINK:

Meeting link: <https://rutgers.zoom.us/j/97289992339?pwd=YIU2MnE1M3JIUk9WK25Lc2ZNYkhydz09>

Link is also available on our website: <https://sites.rutgers.edu/centerfordermalresearch/>

under the Events menu.

