



REMOTE CDR RESEARCH SEMINAR SERIES

The Center for Dermal Research Welcomes

Dr. Jemima Shultz, DSM Nutritional Products

“Natural clay minerals and cosmetic applications, In Vitro and Ex Vivo evaluations on topical delivery and cell viability study”

July 27; 5:30pm (EST) – REMOTE VIA WEBEX LINK BELOW



Dr. Jemima D. Shultz has over 6 years of experience in Research and Development of skin care products, 2 years of experience in chemistry/biochemistry analysis: such as HPLC-UV method development and method validation for skin delivery systems study involving Release, skin permeability and skin retention study. Stability studies of cosmetic formulations, analysis of API and cosmetic actives. She worked for Johnson & Johnson as a tech transfer scientist of manufacturing processes/scale up for new cosmetic products, coordinated stability studies of cosmetic formulations such as facial/body moisturizers, sunscreen with SFP. She also worked as an SMP scientist, supporting marketed products with product reformulation for cost reduction, improvement of manufacturing processes and reformulation for compliance.

Most recently she concluded her PhD in Translational Medicine in partnership with the Federal University of Sao Paulo (Brazil) and Rutgers University (USA). In her PhD she experienced working with design and development of raw clay-based cosmetic formulations containing ascorbyl glucoside, *In Vitro* and *Ex Vivo* evaluations on topical delivery and cell viability study.

Abstract: Raw clays are layered materials with several unusual features, which find many relevant applications in natural products. Raw clays have been increasingly utilized in skin care and major advances have been achieved in the research and innovation related to these materials. This presentation will cover topical applications that includes the development of O/W cosmetic emulsions containing two types of raw clays, kaolinite and sodium smectite associated with ascorbyl glucoside, *in vitro* and *ex vivo* assays such as release, permeability using human skin as well as skin retention study.

WEBEX MEETING LINK:

<https://rutgers.webex.com/rutgers/j.php?MTID=m836f35e304c91166aa1db42d8d201b34>

Meeting number: 120 135 4250

Password: B4PyuKMyR38

Or request a direct link by sending an email to: cdr_frontdesk@dls.rutgers.edu

Join by video system: Dial 1201354250@rutgers.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

To join by phone: +1-650-429-3300 USA Toll Access code: 120 135 4250



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Center for Dermal Research, 145 Bevier Road, Piscataway, NJ 08854

Tel: 848.445.3589 Fax: 732.445.5006 For more information: cdr_frontdesk@dls.rutgers.edu