



RESEARCH REMOTE SEMINAR SERIES

The Center for Dermal Research welcomes

Dr. Joanna (Qiang) Wu,
Associate Director in the Early Research group, Personal Care category
of Colgate Palmolive Company
“Amino Acid Complex (AAComplex) Benefits in Cosmetic Products ”

June 14, 2021 at 5:30pm EST



Dr. Joanna Wu joined Colgate Palmolive Company in 2002. With close to 20 years of experience in the consumer product industry, her research has focused on biological targets/mechanisms of action of actives for skincare benefits and the implementation of predictive non-invasive methods to assess performance of a technology to improve skin health and develop skin care products. For the past 10 years she has led the Biofunctional Active Research Team in Early Research Group developed multiple proprietary technologies and made significant contributions to many new product launches.

Abstract: The skin is the largest organ of the human body. As a physical barrier, the skin keeps vital chemicals and nutrients in the body, while preventing harmful substances such as UV, pollution and microorganisms from getting inside. Skin is exposed to the external environment and under constant challenge from a variety of external aggressors. The COVID-19 pandemic breakout in 2020 brought the need of protection and repair of skin damage to a new level. For example, mask wearing is required in most indoor places and longtime mask wearing can cause skin problems such as irritation, redness, rashes and itchiness even acne and peeling.

Amino acids are major components of skin's natural moisturizing factors and play an important role in regulating skin hydration and skin pH to keep skin healthy. Amino acids have been widely used in cosmetic skin care products, mostly for a skin hydration benefit. As a result of a ten years' research project the current talk demonstrates a proprietary amino acid complex technology (AAComplex) featuring the key amino acids of taurine, arginine and glycine that was designed to help reduce skin irritation and repair skin damage. AAComplex technology was formulated in 3 forms of facial skin care products: toner, serum and lotion and went through vigorous in vitro and clinical studies. The results showed that all three tested skin care products effectively delivered benefits such as reducing skin irritation and redness as well as accelerating the skin repair process.

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