

AGENDA
Innovations in Dermatological Sciences Conference 2025

September 16:

9:00am-9:30am Welcome: Bozena Michniak-Kohn, Rutgers Center for Dermal Research
Dean Joseph Barone, Rutgers Ernest Mario School of Pharmacy

RETHINKING SKIN DELIVERY - NEXTGEN FORMULATIONS

9:30am-10:15am Plenary Speaker - Ardeshir Bayat, InaDerma™ LLC
*“Cosmetic Futures: Innovation, Integration, and the Fall of Imitation
From Indie Hype to Corporate Reinvention, What Will Shape the Next Era of Dermatological Beauty?”*

10:15am-10:45am Keynote Speaker - Gerald Kasting, University of Cincinnati, James L Winkle School of Pharmacy
“How computational models are guiding both formulation development and regulatory approval of topical products: cosmetic and Rx examples.”

10:45am-11:15am Morning Networking Break – Meet the Vendors, Guided Tours of the Laboratory for Drug Delivery

11:15am-11:45am Jason Carbol, Dow Development
“The Science of Skin: When Rx Meets Cosmetics and Personal Care”

SPOTLIGHT ON SMART DERMATOLOGY TOOLS

11:45am-12:15pm Discover Stratum Biosciences with Ross Pearlman/Buu Duong
Discover Sensill with Ardeshir Bayat

12:15 – 1:15pm LUNCH BREAK

ILLUMINATING THE INVISIBLE – ADVANCES IN SKIN IMAGING & ANALYSIS

1:15pm-2:00pm Keynote Speaker – Conor Evans, Harvard Medical School, Massachusetts General Hospital
“Pharmacokinetic and Pharmacodynamic Topical Product Imaging and Quantification”

2:00pm-2:30pm Sanjeeva Murthy, Rutgers University, Laboratory for Biomaterials Research
“Real-time monitoring of the adsorption of topical applications onto the stratum corneum layer of skin using Quartz crystal microbalance”

2:30pm-3:00pm Afternoon Networking Break – Meet the Vendors, Guided Tours of the Laboratory for Drug Delivery

AI IN TOPICAL FORMULATIONS

3:00pm-3:30pm Connor Bilchak, BASF
*“Hydrophile-Lipophile Difference/Net-Average Curvature (HLD-NAC):
A Novel Algorithm for the in-silico design of topical pharmaceutical emulsions”*

3:30pm-4:15pm Panel Discussion – “AI in Topical Formulations – Friend or Foe?”
Moderator, David Osborne, David W. Osborne PhD Consulting Inc
Jason Carbol, Dow Development
Buu Duong, Stratum Biosciences
Gerald Kasting, University of Cincinnati
Ross Pearlman, Stratum Biosciences

4:15pm-4:45pm Ratan K Chaudhuri, Hallstar (formerly Sytheon) and CuralysMD Dermaceuticals
“Targeting the AMPK Activation Pathway for Cellular Longevity: Opportunities in Topical Applications.”

4:45pm Networking Reception/Poster Session/Awards Ceremony

September 17:

9:00am-9:30am Welcome: Bozena Michniak-Kohn, Rutgers Center for Dermal Research
Michael Zwick – Senior Vice President, Rutgers Office for Research

AGING GRACEFULLY – INNOVATIONS IN SKIN LONGEVITY

9:30am-10:15am Plenary Speaker – Rahul Mehta, Rapalogix
“Cellular Longevity, a New Paradigm in Skin Aging Reversal”

10:15am-10:45am Philip Ludwig, BASF
“The 12 Hallmarks of Aging: Scientific Insights for Skincare and Anti-Aging Ingredients”

10:45am-11:15am Morning Networking Break – Meet the Vendors, Guided Tours of the Laboratory for Drug Delivery

11:15am-11:45am Josh Williams, Kenvue
“Spotlight on Sunscreen Innovation and Sun Care Science”

SPOTLIGHT – RARE DISEASE TO PRECISION SKIN CARE

11:45am-12:15pm Discover Rapalogix with Rahul Mehta
Discover Healios Labs with Lakshmi Raghavan

12:15pm-1:15pm LUNCH BREAK

PROBLEMATIC SKIN - TARGETED SOLUTIONS FOR COMPLEX DISORDERS

1:15pm-2:00pm Keynote Speaker – Neena Tierney, Kenvue
“Problematic skin across ages – targeted OTC solutions for complex disorders”

2:00pm-2:30pm Vince Gruber, Vantage
“Troubled Skin, Inflammation, and the Immune Response: Is targeting C. acnes Enough?”

2:30pm-3:00pm Afternoon Networking Break – Meet the Vendors, Guided Tours of the Laboratory for Drug Delivery

3:00pm-3:30pm Jeff Martini, Palvella
“Unlocking the Potential of Topical Therapy in Rare Skin Diseases: QTORIN™ Platform Innovation and QTORIN™ Rapamycin for mTOR-Driven Disorders”

3:30pm-4:00pm Jon Volmer, MedPharm
“Breaking through the culture time limit boundary for skin”

4:00pm-4:30pm Vinay Bhardwaj, SGS North America, Clinical Research -Cosmetic and Personal Care
“Advancements in clinical dermal research using non-invasive optical biopsy imaging techniques”

4:30pm Wrap up and closing remarks.