

# Center for Dermal Research

## Innovations in Dermatological Sciences Conference 2024



### **Dr. Audra Stinchcomb**

University of Maryland School of Pharmacy

Dr. Audra Stinchcomb's research is focused on transdermal, topical, and intranasal drug delivery, microneedle-enhanced delivery, and translational research models for public-private partnerships. She has developed a research program in transdermal drug delivery in the Department of Pharmaceutical Sciences at the University of Maryland School of Pharmacy that revolves around the examination of the mechanisms and optimization of skin permeation and microneedle-enhanced skin permeation. The microneedle research focus has been on formulations for improved permeation rate and micropore lifetime, utilizing animal studies translated to human subject studies.

Dr. Stinchcomb is a translational researcher and serial entrepreneur. Her breadth of research includes pharmaceuticals, drug delivery, pharmacokinetics, complex drug product development, clinical trial optimization, regulatory science, and public-private partnership maximization. She has a B.S. in Pharmacy from University of Colorado, a PhD in pharmaceuticals and drug delivery from The University of Michigan, and did a postdoc at University of California, San Francisco. Dr. Stinchcomb is a fellow of the American Association of Pharmaceutical Scientists and of the American Institute for Medical and Biological Engineering.

Long-term objectives of Dr. Stinchcomb's research include examining prodrugs specifically designed for improved microneedle-enhanced delivery, methods to prolong the lifetime of drug delivery through transdermal device-created micropores, and unique translational research models for efficient drug discovery and development. Dr. Stinchcomb is also part of the venture capital group: <https://stagenext.vc/> a network-driven venture fund investing in high-growth companies led by women with prior business-building experience.

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