

Nano solutions for imaging and treatment of cancer

Dr. Kester will discuss several new initiatives including “repurposing generics” through nanotechnology; delivery of bioactive lipids through nanotechnology; delivery of molecular-based therapies through nanotechnology and delivery of polypeptides and biologics through ORAL nanotechnology, the next revolution.



ABOUT THE SPEAKER

Mark Kester
Professor of Pharmacology
Director of the NanoSTAR Institute
University of Virginia

Mark Kester is a Professor of Pharmacology and the Director of the NanoSTAR Institute of the University of Virginia. He was previously the G. Thomas Passananti Professor of Pharmacology at Penn State Hershey College of Medicine and the inaugural Director of the Penn State Center for NanoMedicine and Materials. Dr. Kester's research interests include the design, characterization and validation of nanotechnologies for targeted drug delivery. His laboratory has evaluated nanoliposomes, nanodendrimers and nanocolloids as effective drug delivery vehicles for pharmacological and molecular agents. Recent work focuses on nontoxic nanoscale systemic delivery systems for hydrophobic pro-apoptotic lipids as well as siRNAs that target mutated tumorigenic proteins. Dr. Kester has consulted with, or founded, several companies that have the license to his nano“Solutions”. In addition, Dr. Kester is a co-author of Integrated Pharmacology, published by Elsevier, Ltd., which was recognized as a “highly commended textbook” by the British Medical Society.

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2:30 pm, 310 Kelly Hall



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