

Dr. Dhruvitkumar (Dhruvit) Sutaria, PhD

Postdoctoral Research Associate

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Education:

2008: Bachelors in Pharmacy, Mumbai University, India

2011: MS in Pharmaceutical Sci., Western Univ. of Health Sciences, USA

2017: PhD in Pharmaceutics, Ohio State University, USA

Positions:

Since 01/2017: Postdoc, College of Pharmacy, Univ. of Florida, USA



Research: Dr. Sutaria is creating novel, urgently needed receptor binding data for β -lactam antibiotics to inform innovative combination therapies which can combat multidrug-resistant bacterial 'superbugs'; the first experimental receptor binding paper from his postdoc was accepted within 7 months. Within the NIH-funded research program of Dr. Bulitta's team, he is employing a translational approach which leverages his molecular skills and the generated molecular insights to inform innovative antibiotic combination dosing strategies for latest dynamic *in vitro* and animal infection models. Ultimately, these data uniquely inform translational Quantitative and Systems Pharmacology (QSP) models to rationally optimize patient therapies. Dr. Sutaria serves as lead modeler for the application of such QSP models on an FDA project and is developing population pharmacokinetic / pharmacodynamic models for cystic fibrosis patients based on data from clinical studies.

While completing his Ph.D. in Pharmaceutics from The Ohio State University, Dr. Sutaria worked with Dr. Thomas D. Schmittgen as mentor. Dr. Schmittgen is highly cited for his real-time quantitative PCR method and has joined the Department of Pharmaceutics at UF as Pre-eminent Professor. During his PhD work, Dr. Sutaria acquired a wide range of experimental skill sets in the areas of drug development, molecular biology, gene editing / cellular engineering and has authored 12 publications and received several poster and travel awards; one of which being the highly prestigious Betty Ann Honer award given to the most outstanding graduate student.

Founded on his exceptionally strong molecular background and skillsets, Dr. Sutaria seeks to bridge between molecular and 'omics' studies to latest translational, mathematical modeling. Dr. Sutaria is highly committed and driven to further enhance his skillsets into latest proteomics and QSP modeling techniques for ultimate translation to patients.

After the completion of his postdoctoral training, he seeks to apply his knowledge and training in Pharmacometrics and Clinical Pharmacology for a career in the pharmaceutical / biotechnology industry.

Publications (as of 8/12/18)	Last 5 years	All since 2009	In review
Peer-reviewed research papers	8	11	2
All papers	9	12	2
International conference abstracts	28	35	5

PubMed Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/54683090/?sort=date&direction=descending>

Google Scholar Citations:

<https://scholar.google.com/citations?user=3XLyCykAAAAJ&hl=en>