Dr. Nirav Shah, PhD

Postdoctoral Research Associate
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Education:

2010: Bachelors in Pharmacy, Mumbai University, India
2012: MS in Biotechnology, University of Central Florida, USA
2018: PhD in Pharmacology, Ohio State University, USA

Positions:

Since 09/2018: Postdoc, College of Pharmacy, Univ. of Florida, USA

Research: Dr. Shah is creating microscopy (confocal; SEM) and flow cytometry data for β-lactam antibiotics to inform innovative combination therapies which can combat multidrug-resistant bacterial 'superbugs'. 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. Shah serves as lead modeler for the application of such QSP models and is developing population pharmacokinetic / pharmacodynamic models for cystic fibrosis patients based on data from clinical studies.

While completing his Ph.D. in Pharmacology from The Ohio State University, Dr. Shah worked with Dr. Nam Y. Lee as mentor. During his PhD work, Dr. Shah acquired a wide range of experimental skill sets in the areas of drug development, molecular biology, cell culture, microscopy, gene editing / cellular engineering, protein biochemistry and has authored 6 publications in high impact journals; a first author in **Nature communications** and co-authors in **Molecular Cell** and **JBC**. He also received several poster and scientific talk awards.

Founded on his exceptionally strong molecular background and skillsets, Dr. Shah seeks to bridge between molecular and 'omics' studies to latest translational, mathematical modeling. Dr. Shah 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 3/26/19)*	**All since 2012**	**In review**
Peer-reviewed research papers	6	1

PubMed Bibliography:
https://www.ncbi.nlm.nih.gov/pubmed?cmd=historysearch&querykey=8

Google Scholar Citations:
https://scholar.google.com/citations?hl=en&user=KKAp6JgAAAAJ