

# NEUROTHERAPEUTICS SEMINAR SERIES



TEXAS A&M HEALTH

Institute of Pharmacology  
and Neurotherapeutics

## Targeting TRP channels to counteract chemical threat agents-induced pulmonary and cutaneous injuries

**Monday, June 30, 2025**

**HSC Bryan Campus/MREB 2 Room 1403**

**12:00 - 1:00 PM CT**

**Lunch Provided--- Q&A session and networking opportunity**

**Join via Zoom  Meeting ID: 942 5772 9124 Passcode: 052206**

### **Dr. Satya Achanta, D.V.M., Ph.D.**

*Assistant Professor, Department of Anesthesiology,  
Duke University School of Medicine, Durham, NC.*

Dr. Achanta is an Assistant Professor in the department of anesthesiology at Duke University School of Medicine. Satya received a veterinary degree from NTR College of Veterinary Medicine in 2005 and then worked as a Veterinary Assistant Surgeon for 2 years before moving to the United States. After completing his Ph.D. at the Center for Veterinary Health Sciences, Oklahoma State University, Satya accepted a prestigious postdoctoral fellowship at Yale University School of Medicine in the Department of Pharmacology and then moved to Duke University School of Medicine in 2014. He was promoted to the rank of Assistant Professor in 2018.

His overall research interest is to protect the biological barrier from chemical injuries by targeting transient receptor potential (TRP) ion channels and by activating mediators of the resolution phase of the inflammatory pathway to restore architecture and function. Satya has been actively pursuing research on medical countermeasures for the last 13 years. He is actively funded by the NIH CounterACT program and industry partners.

Apart from active research, he also taught two pharmacology courses at Yale University and Duke University as an Instructor-of-Record. He is a board-certified toxicologist and is currently licensed to practice veterinary medicine in North Carolina. He has been serving in various leadership roles in the Society of Toxicology and the American Thoracic Society.



**Dr. Achanta**

**Host: Dr. Samba Reddy**  
**sambareddy@tamu.edu**

**For more info, contact Dr. Sreevidhya Ramakrishnan at [sreevidh@tamu.edu](mailto:sreevidh@tamu.edu)**

IPN Website:

