

# NEUROTHERAPEUTICS SEMINAR SERIES



TEXAS A&M HEALTH

Institute of Pharmacology  
and Neurotherapeutics

## Novel Mechanism Based Biomarker and Therapeutic Strategies for Parkinson's Disease

**Monday, October 28, 2024**

**HSC Bryan Campus/MREB 1 Room 1157**

**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. Anumantha Kanthasamy, PhD

*Inaugural Johnny Isakson Chair in Parkinson's Research, Professor of Physiology and Pharmacology, Director, Isakson Center for Neurological Disease Research at the College of Veterinary Medicine, University of Georgia.*

Dr. Anumantha Kanthasamy is a Professor and Director of Isakson Center for Neurological Disease Research at the College of Veterinary Medicine, Univ. of Georgia. Dr. Kanthasamy's NIH- and DoD-funded research program pursues three major thrust areas: i) Cellular and molecular signaling underlying neurotoxic stress-induced neurodegenerative mechanisms; ii) Gene-environment interactions in etiopathogenesis, particularly the mechanistic interplay between environmental neurotoxic chemical exposure and genetic susceptibility in PD onset; and iii) Biomarker discovery for early diagnosis and translational strategies targeting novel therapies for PD and ADRD. His lab's translational research discoveries have resulted in several patent applications, including innovative drug delivery platforms for treating neurological diseases. The Isakson Center for Neurological Disease Research houses an interdisciplinary network of researchers studying underlying mechanisms, early diagnostic biomarkers, and novel therapeutic strategies for treating Parkinson's and Alzheimer's-related diseases.

Dr. Kanthasamy is a leading expert in molecular neurotoxicology and neuroscience, with 22 years at Iowa State University (ISU) mentoring over 50 graduate students and post-docs. He founded the Iowa Center for Advanced Neurotoxicology at ISU and held the Distinguished Professor and Eugene & Linda Lloyd Endowed Chair. He chaired the Department of Biomedical Sciences for eight years, significantly expanding faculty and graduate programs. With over 200 peer-reviewed publications and \$75 million in grant funding, he has contributed extensively to the field, serving on NIH review panels and editorial boards.

Dr. Kanthasamy was elected Fellow of the AAAS, ATS, and the National Academy of Inventors. His achievements have earned him several awards, including the 2023 SOT Distinguished Toxicologist Award.



**Dr. Kanthasamy**

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

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

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