OHBM 2026 *KEYNOTE SPEAKER*

Nanthia Suthana, Ph.D.

Professor

Duke University

Nanthia Suthana, Ph.D., is a Professor of Neurosurgery and Biomedical Engineering at Duke University, where she leads an interdisciplinary research program advancing the study of human cognition in naturalistic environments. Her work integrates intracranial recordings from implanted devices with high-density scalp EEG, eye-tracking, wearable sensors, first-person video, and AR and VR-based navigation to investigate the neural dynamics of memory, spatial navigation, and emotion during real-world behavior. Supported by programs such as the McKnight Technological Innovations in Neuroscience Award and the Simons Collaboration on Ecological Neuroscience (SCENE), her lab develops technologies including wireless synchronization of implanted and wearable data streams that are contributing to the next generation of ecological human brain mapping.

Before joining Duke, Dr. Suthana spent more than a decade at UCLA leading NIH-supported efforts to bridge controlled cognitive paradigms with real-world behavioral monitoring. Her contributions have provided insights into how human hippocampal and medial temporal circuits support episodic memory and mental time travel in everyday life. She has mentored a diverse group of trainees who now span academia, medicine, and industry, and has established a state-of-the-art motion-capture and immersive AR and VR facility at Duke to accelerate translational neurotechnologies for memory and psychiatric disorders.