

# Brain Mapping Center SEMINAR SERIES

Sponsored by the UCLA Brain Mapping Center Faculty

The focus of these talks is on advancing the use of brain mapping methods in neuroscience with an emphasis on contemporary issues of neuroplasticity, neurodevelopment, and biomarker development in neuropsychiatric disease.

Hosted By: Shantanu Joshi, PhD, Neurology, UCLA

## “Altered Sensory Processing in Neurodevelopmental Conditions: From Neuroscience to Intervention”



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[Click for Zoom Registration: http://tinyurl.com/BMCSeminar125](http://tinyurl.com/BMCSeminar125)

Our ability to process and regulate our responses to sensory information in the environment is a core component of brain function that we often take for granted. However, sensory processing atypicalities are common across clinical populations and can make life very challenging. Until recently, very little was known about the underlying biology of atypical sensory processing, making it difficult to establish research-based interventions. In this talk, I will present research on the neural mechanisms underlying atypical sensory reactivity and regulation, with a focus on how they develop across childhood, as well as how they affect higher-order processes such as social functioning and mental health symptoms. I'll also discuss how these neuroimaging findings are providing new directions and insights into potential interventions.

**March 7, 2024 11:00am - 12:00pmPST**  
**Zoom and Neuroscience Research Building (NRB 132)**

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