



COLLEGE OF MEDICINE PHOENIX
**Translational
Neurosciences**

SPECIAL GUEST SEMINAR

Sean Piantadosi, PhD

Post-doctoral Scholar

Department of Anesthesiology & Pain Medicine

University of Washington



Wednesday, November 12, 2025

11:00 am to 12:00 pm

HSEB - Room B402

435 N 5th St., 4th Floor

and Zoom:

<https://arizona.zoom.us/j/87267458459>

**Topic: Harnessing neuromodulation to investigate
amygdala encoding of affect**

Biosketch: Dr. Piantadosi is a translational neuroscientist who seeks to understand how affective information is encoded in the brain and how these processes go awry in mood disorders. His graduate work at the University of Pittsburgh bridged human post-mortem molecular findings with circuit-level mechanisms of compulsive behavior using in vivo calcium imaging. During his post-doctoral fellowship at the University of Washington in the lab of Dr. Michael Bruchas, he sought to augment these correlative imaging approaches with causal manipulations to test mechanistic hypotheses. To accomplish this, he developed multiphoton stimulation approaches and a wireless drug-delivery platform to enable precise manipulation and measurement of neural dynamics during behavior. In his laboratory, he hopes to uncover how subcortical microcircuits process affective information to guide behavior and how neuromodulatory systems regulate these computations in both healthy and disease states.

Add to Calendar:



Zoom: 8726 745 8459

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