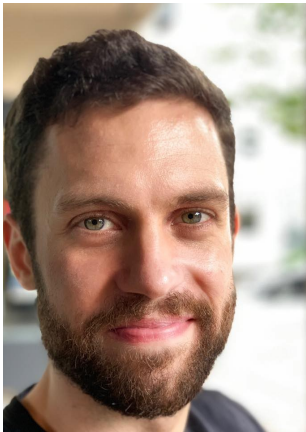




COLLEGE OF MEDICINE PHOENIX
Translational
Neurosciences

SPECIAL GUEST SEMINAR

Endocannabinoids Facilitate Transitory Reward Engagement through Retrograde Gain-control



David J Marcus, PhD

*Postdoctoral Fellow
Laboratory of Michael Bruchas
University of Washington, Dept. of Anesthesiology*

Monday, March 30, 2026

10:00 am - 11:00 am

HSEB - Room B402

Zoom: <https://arizona.zoom.us/j/84771879305>

Dr. Marcus' overall primary research focus is to understand how neuromodulatory signaling systems adjust the gain of limbic circuits to influence motivated behavior. He has principally investigated the endogenous cannabinoid (eCB) signaling system, the most widely expressed neuromodulatory system in the brain. Dr. Marcus' primary postdoctoral work revealed that eCBs exert retrograde gain control at an excitatory thalamo-striatal circuit to facilitate engagement in reward-seeking behaviors. Looking forward, he aims to establish parallel research programs to test my comprehensive theory that endocannabinoids encode permissive states (rather than instructive states) by gating information flow in limbic circuits.

Add to Calendar:



Zoom: 8477 187 9305

Contact: Deborah Benoit (dbenoit@arizona.edu)



THE UNIVERSITY
OF ARIZONA