Children's Hospital LOS ANGELES
THE SABAN RESEARCH INSTITUTE

Research Seminar Series

"Early Life Stress: Impact on Neural Circuits Related to Affective State and Drug Reward"

Elena Chartoff, PhD

Associate Professor, Psychiatry & Neuroscience
Harvard Medical School
Director, Neurobiology of Motivated Behavior Laboratory
Director, Education & Training,
Basic Neuroscience Division, McLean Hospital

Wednesday, March 6, 2019

12-1 p.m.
The Saban Research Building Auditorium
4661 Sunset Blvd., Los Angeles, CA 90027

Lunch will be provided to seminar guests, first come, first served.
Help us save plastic! Bring your own water bottles. Water will be available to fill your bottles.

I will discuss two projects related to impacts of early life stress. First, we model prenatal opioid exposure by having pregnant rats self-administer the prescription opioid oxycodone. We show physiological deficits after birth, reduced sensitivity to oxycodone in adulthood, and alterations in dopamine receptor signaling. Second, we model social stress in adolescent rats using social isolation. Isolated rats have higher anxiety-like behavior and a unique, sex-dependent set of microRNA expression in the bed nucleus of the stria terminalis as adults. Our findings demonstrate long-lasting effects of early life stress that could serve as intervention targets for treatments that mitigate psychopathologies.

Hosted by Allison Knoll, PhD
Assistant Professor of Research Pediatrics
Keck School of Medicine
University of Southern California