



IUPUI

DEPARTMENT OF
PSYCHOLOGY

SCHOOL OF SCIENCE
Indiana University-Purdue University
Indianapolis



The Neuroscience of Addiction: Bridging the Gaps between Evidence and Practice

The 12th Annual Susan Li Conference



July 18 and 19, 2019

Fairbanks Recovery Center
8102A Clearvista Parkway
Indianapolis, IN 46256

Join Fairbanks and other experts in the field of addiction treatment and recovery for this annual two-day conference for professionals and students. The Susan Li Conference is designed to provide insight and education about the most relevant and evidence-based topics to support and educate those providing treatment and recovery services.

The conference honors Susan N. Li, a licensed clinical social worker and mental health therapist with over 35 years of clinical and administrative experience in mental health and substance abuse disorders. Li was recognized for her many contributions to these fields at the 2008 Susan Li Conference luncheon.

The Susan Li Conference is made possible by a donation to Fairbanks in honor of Li's continuing contributions to the field of addiction.

For more information, visit SusanLiConference.com.

Conference Schedule

THURSDAY, JULY 18, 2019

8-8:30 a.m.

Registration and Breakfast

8:30-9 a.m.

Upstairs, Rooms 219/242

Welcome and Overview

Barb Elliott, Fairbanks President and CEO

Robin Parsons, Fairbanks Chief Clinical Officer

9-10:30 a.m.

KEYNOTE

Upstairs, Rooms 219/242 | CE credits: 1.5

Drugs, Brain and Behavior

Stephen Boehm, PhD

Overview of drug effects on the brain, as well as current concepts in drug abuse research.

Participants in this session will:

- Learn the basics of drug effects on brain chemistry and function.
- Learn about some of the current concepts in drug abuse research.
- Gain a new appreciation for the challenges faced by neuroscientists trying to understand the effects of drugs on brain function and subsequent behavior.

10:30-10:45 a.m. - Break

10:45 a.m.-12:15 p.m.

GENERAL SESSION

Upstairs, Rooms 219/242 | CE credits: 1.5

Neurobehavioral Correlates of Addiction and Recovery

Brandon Oberlin, PhD

Dr. Oberlin will discuss the neurochemistry of drug reward, the neurobiology of trigger cues, addiction decision making and brain activation and a novel virtual reality intervention for use post treatment.

Participants in this session will:

- Learn dopamine's role in drug abuse potential, reward and motivated states.
- Understand how drug conditioned stimuli relate to dopamine.
- Discover how decision making is compromised in addictions.
- Learn how to improve decision making to increase focus on the future.

12:15-1 p.m.

Lobby

Lunch Provided

1-2:30 p.m.

GENERAL SESSION

Upstairs, Rooms 219/242 | CE credits: 1.5

The Alternative Peer Group: Guiding Paths to Success at Hope Academy

Rachelle Gardner, MA, LCAC

Rachel Beehler, MS, LSW

An alternative peer groups (APG) is an evidence-based program, having been shown to increase rates of abstinence amongst teens from drugs and alcohol by 200-300 percent, with over 89 percent of those having completed an APG program reporting two-year sobriety rates. Guiding Paths to Success is the first APG program in the midwest, located at Hope Academy, Indiana's only recovery high school and only one of four to be accredited nationwide.

Participants in this session will:

- Learn the clinical application of an alternative peer group.
- Gain knowledge of the effectiveness of recovery high schools.
- Discover the amplifying impact of these two specialized environments.

2:30-2:45 p.m. - Break

2:45-4:15 p.m.

GENERAL SESSION

Upstairs, Rooms 219/242 | CE credits: 1.5

The Intersection of Trauma and Health

Melody Stiles, MSW, LCSW, MAC

A look at how trauma impacts the whole person, including mental health, addiction, autoimmune issues, etc.

Participants in this session will:

- Understand the various ways trauma impacts mental health.
- Understand the various ways trauma impacts addiction.
- Understand the imperative of being a trauma informed provider.
- Understand the various modalities being utilized to treat those impacted by trauma and what the research actually demonstrates.
- How to begin the journey of becoming a trauma informed provider.

FRIDAY, JULY 19, 2019

8-8:30 a.m.

Breakfast and Networking

8:30-9 a.m.

Upstairs, Rooms 219/242

Opening Statement

Brandon George, Executive Director, Indiana Addictions Issues Coalition

9-10:30 a.m.

GENERAL SESSION

Upstairs, Rooms 219/242 | CE credits: 1.5

Neurocognitive Underpinnings of Impulsivity and Substance Use: Implications for Treatment

Melissa A. Cyders, PhD

Dr. Cyders will review the evidence for the neuroscience underlying how impulsivity influences substance use. She will focus on how science can best utilize this information to design, test and improve effective treatments for substance use disorders. She will also discuss how best to present and explain neuroscience evidence to patients and families.

Participants in this session will:

- Learn the different traits of impulsivity.
- Learn how impulsivity is represented in the human brain.
- Think about how to bridge the gap between neuroscience evidence and treatment implications.
- Better understand how to present neuroscience evidence of addiction to patients and families.

10:30-10:45 a.m. - Break

10:45 a.m.-12:15 p.m.

KEYNOTE

Upstairs, Rooms 219/242 | CE credits: 1.5

Understanding Opioid Addiction

Jon E. Grant, MD, JD, MPH

This talk will present what is known about the social and clinical aspect of opiate addiction. The presentation will discuss developmental issues, genetics and cognitive aspects of addiction. In addition, the talk will focus on evidence-based treatments used for people with opiate addiction.

Participants in this session will:

- Learn the clinical aspects of opiate addiction.
- Recognize common comorbidities encountered during treatment.
- Evaluate evidence-based approaches to treating opiate addiction.

12:15-1 p.m.

Lobby

Lunch Provided

1-2:30 p.m.

GENERAL SESSION

Upstairs, Rooms 219/242 | CE credits: 1.5

Neurophysiological Basis of Alcohol Induced Cognitive Dysfunction in Rats

Christopher Lapish, PhD

2:30-2:45 p.m. - Break

2:45-4:15 p.m.

GENERAL SESSION

Upstairs, Rooms 219/242 | CE credits: 1.5

Treating Adolescents with Co-Occurring Substance Use and Mental Health Disorders

Zachary Adams, PhD

Laurie Redelman, LCSW

Ally Dir, PhD

Participants will learn about and observe research backed approaches for treating co-occurring substance use and mental health disorders in teenagers. Presenters will provide a brief overview of the ENCOMPASS treatment model, an evidence-based intervention that integrates assessment, motivational interviewing, cognitive-behavioral therapy, contingency management, family therapy, and medications for treatment of substance use and mental health disorders. Through this interactive presentation, participants will observe how core treatment components such as MI skills and functional analysis are used to engage youth and personalize treatment for each patient.

Participants in this session will:

- Learn about the structure and support for an integrative, evidence based outpatient treatment for adolescent dual diagnosis.
- Observe and participate in interactive role play demonstrations of MI and CBT skills for adolescent substance use disorder.
- Consider how they might implement an integrative treatment for co-occurring substance use and mental health disorders for adolescents in their own agencies.



KEYNOTE SPEAKER

Stephen Boehm, PhD

Drugs, Brain, and Behavior

- Professor of Psychology and Director of the Undergraduate Neuroscience Program at IUPUI
- Received his PhD in behavioral neuroscience from the Oregon Health & Science University in 2002 where he studied the role of brain GABAB receptor systems in alcohol-related behavior in mice.
- His research has focused on understanding how binge alcohol drinking and edible $\Delta 9$ -tetrahydrocannabinol (THC; major psychoactive component of marijuana) intake alters brain and behavior in mice. His lab has been particularly interested in how early-life (childhood and adolescent) exposure to THC and other environmental stressors alters subsequent drug- and alcohol-related behavior.



KEYNOTE SPEAKER

Jon E. Grant, MD, JD, MPH

Understanding Opioid Addiction

- Professor of Psychiatry & Behavioral Neuroscience at the University of Chicago
- Directs a clinic and research lab on addictive, compulsive and impulsive disorders
- Author of over 300 peer-reviewed scientific articles and Editor in Chief of the *Journal of Gambling Studies*

For special needs or accommodations, participants may contact Sara Hastings at 317.572.9350 or shastings@fairbanksd.org.