CHARLES R. DREW UNIVERSITY
OF MEDICINE AND SCIENCE

10th Drug Abuse Research Symposium
http://www.cdrewu.edu/research/DrugAddictionResearch

CDU Diversity-promoting Institutions Drug Abuse Research Development Program
(DIDARP)

Friday, August 7, 2015
8:30 am – 4:30 pm
Charles R. Drew University of Medicine and Science
Keck Lecture Hall
1731 E. 120th Street, Los Angeles, CA  90059
Information: please contact Dr. Friedman at 310-668-5197 or drugabuseresearch@cdrewu.edu

Co-Sponsored by
UCLA Integrated Substance Abuse Programs/ Pacific Southwest Addiction Technology Transfer Center
UCLA CTSI (Catalyst award)
CDU AXIS

Agenda

7:30 - 8:30 am 
REGISTRATION/PRE-CONFERENCE EVALUATION AND BREAKFAST

8:30- 8:45 am
Welcome and background on Diversity-Institutions Drug Abuse Research Program (DIDARP) at CDU
Theodore Friedman, MD, PhD*
DIDARP Program Director
Charles R. Drew University of Medicine and Science
theodorefriedman@cdrewu.edu
Biography  PowerPoint

CE process and evaluations
Maria Castro
UCLA Integrated Substance Abuse Programs
Pacific Southwest Addiction Technology Transfer Center
mcbacca@ucla.edu
CME process and evaluations

**Jeonathan Rodriguez**
Charles R. Drew University of Medicine and Science
JeonathanRodriguez@cdrewu.edu

8:45 - 8:55 am  University Welcome

**Angela L. Minniefield, MPA**
Vice President of Advancement, Strategic Development & External Affairs
Charles R. Drew University of Medicine and Science
AngelaMinniefield@cdrewu.edu

**KEYNOTE SPEAKER**

8:55-9:55 am  Imaging brain chemistry in diseases of addiction, (CME event^)

**Joanna Fowler, PhD**
Senior Chemist, emeritus
Brookhaven National Laboratory
fowler@bnl.gov

**Biography  Video  PowerPoint**

**POLICY RESEARCH SUBSTANCE ABUSE**

9:55-10:05 am  Increasing the Legal Age to Access Tobacco Product to 21: An overview

**Melitta Johnson, MHA+**
Post-baccalaureate student
Charles R. Drew University
melittajohnson@gmail.com

**Biography  Video  PowerPoint**

10:05-10:30 am  Increasing the Legal Age to Access Tobacco Product to 21: A Legislator’s Viewpoint

**Ed Hernandez, O.D.**
California State Senator (SD-22)
clayton.arick@sen.ca.gov

**Biography  Video**

10:30-10:40 am  MORNING BREAK

10:40-11:00 am  Public Health Efforts to Decrease Smoking in California

**Tonya Gorham Gallow, MSW**
Program Director
Tobacco Control and Prevention Program
tgallow@ph.lacounty.gov

**Biography  Video  PowerPoint**

**Cynthia A.K. Song Mayeda, RN, PHN, BSN**
Public Health Nurse
Tobacco Control and Prevention Program
SUBSTANCE ABUSE: CLINICAL STUDIES

11:00-11:20 am  Screening and Brief Intervention and Referral for Treatment: An Evidence-Based Approach to Alcohol Problem Prevention  
Shahrzad Bazargan, PhD  
Professor, Charles R. Drew University  
shahrzadbazargan@cdrewu.edu  
Biography Video PowerPoint

11:20-11:40 am  Losing Your License to Drink: A new approach to reducing problem alcohol use  
Greg Midgette, PhD  
Associate Policy Researcher, RAND  
midgette@rand.org  
Biography Video PowerPoint

11:40-12:00 pm  Genetic and environmental determinants of drug use  
Emily Hartwell+  
Doctoral student, Clinical Psychology, UCLA  
ehartwell@g.ucla.edu  
Biography Video PowerPoint

TOP STUDENT/TRAINEE ORAL PRESENTATIONS

12:00-12:10 pm  Effects of Alcohol on U.S. Adolescent Sleep Patterns: A Systematic Review  
Nancy Carballo MSIV+  
David Geffen School of Medicine at UCLA  
Charles R. Drew University of Medicine & Science  
ncarballo@mednet.ucla.edu  
Biography Video PowerPoint

12:10-12:20 pm  Nicotine stimulates muscle de novo lipogenesis in mice but when combined with a high-fat diet it also causes intramyocellular lipid accumulation and mitochondrial abnormalities  
Desean L. Lee+*  
Division of Endocrinology, Department of Internal Medicine, Charles R. Drew University of Medicine and Science  
deseanlee@gmail.com  
Biography Video PowerPoint

12:20-1:15 pm  LUNCH BREAK AND MEET WITH DRS FOWLER AND FRANCES AND POSTER VIEWING

Exacerbation of coke-induced, sugar coke-induced and diet coke-induced hepatic steatosis and skeletal muscle abnormalities by nicotine in obese mice  
Rasheed Ivey, MS+*  
Charles R. Drew University/DGSOM at UCLA MEP  
M.D. Candidate, MS I
Metabolic Effects of Smoking Cessation: A Literature Review

Kindred Harris+*
DGSOM at UCLA
M.D. Candidate, MS I
KKHarris@mednet.ucla.edu

1:15 - 1:20 pm  
**PRESIDENTIAL WELCOME**

David M. Carlisle, MD, PhD
President and CEO
Charles R. Drew University of Medicine and Science
mosiodom@cdrewu.edu

**TOP STUDENT/TRAINEE ORAL PRESENTATIONS**

1:20-1:30 pm  
Chronic nicotine exposure during adolescence alters the rewarding properties of the cannabinoid agonist CP 55,940 in young adult male rats.

Andrea D Hardin+  
California State University, San Bernardino
hardina@coyote.csusb.edu

1:30-1:40 pm  
Nicotine plus a high-fat diet triggers cardiomyocyte apoptosis in male mice by inhibiting AMP-activated protein kinase independent of fibroblast growth factor 21

Mark Falz*  
Division of Endocrinology, Department of Internal Medicine, Charles R. Drew University of Medicine and Science
Falzmark7@gmail.com

Afternoon Session CLINICAL STUDIES

1:40-1:55 pm  
Prescription Drug Abuse Research – DIDARP at ETSU (via videoconference)

Robert Pack, PhD, MPH
Professor of Community and Behavioral Health
Associate Dean for Academic Affairs,
East Tennessee State University College of Public Health.
PACKR@mail.etsu.edu

1:55 -2:10 pm  
Affect Regulation and Smoking in Women

Raina Pang, Ph.D.
Assistant Professor of Research, Department of Preventive Medicine
University of Southern California Keck School of Medicine
rpang@usc.edu
Afternoon Session BASIC SCIENCE

2:10 - 2:40 pm
Drugs of abuse and brain development
Frances M. Leslie, PhD
Professor, Pharmacology, School of Medicine
Joint Appointment, Anatomy & Neurobiology, School of Medicine
Dean, Graduate Division
University of California, Irvine
fmleslie@uci.edu
Biography Video PowerPoint

2:40 - 2:55 pm
Neuroimmune regulation of the mesolimbic dopamine system during morphine withdrawal
Anna Taylor, BSc, PhD
Postdoctoral Fellow
Semel Institute for Neuroscience and Human Behavior
University of California, Los Angeles
ataylor1@ucla.edu
Biography Video PowerPoint

2:55 - 3:15 pm
The role of alpha2-containing nAChRs in learning, memory and addiction
Shahrdad Lotfipour, PhD
Principal Investigator, David Geffen School of Medicine, UCLA
lotfipour@gmail.com
Biography Requested not to post

3:15 - 3:25 pm AFTERNOON BREAK

3:25 - 3:40 pm
Nicotine and diabetes related genes/signaling molecules
Arbi Nazarian, PhD
Associate Professor
Department of Pharmacology
Western University
anazarian@westernu.edu
Biography Video PowerPoint

3:40 - 3:55 pm
Nicotine Plus Coke, Sugar Coke and Diet coke on body weight, food intake and hepatic and muscle steatosis
Carl Sims+*
Charles R. Drew University of Medicine and Science
carljsims85@gmail.com
Biography Video PowerPoint

3:55 - 4:10 pm
Insight into how opioids affect brain cells
Yulong Chen, PhD
Visiting Assistant Researcher
Hatos Center for Neuropharmacology
Semel Institute for Neuroscience and Human Behavior
UCLA David Geffen School of Medicine
chen0611@comcast.net
Nociceptin receptor (NOP) as a potential target for the development of medications to treat drug addiction

Kabirullah Lutfy, PhD*
Professor, Department of Pharmaceutical Sciences
College of Pharmacy
Western University of Health Sciences
Division of Endocrinology
Charles R. Drew University of Medicine and Science
klutfy@westernu.edu

CLOSING REMARKS

PRESENTATION OF PRIZE FOR TOP TRAINEE PRESENTATION AND POST-CONFERENCE EVALUATIONS
Theodore Friedman, MD, PhD

ADJOURN

*Funded by CDU DIDARP
+Eligible for top trainee award

^ This specific lecture is a 1.0 AMA PRA Category 1 Credit™ certified CME event, affiliated with Drug Abuse Research Day*
(this lecture is the only CME offered within the agenda)

Upon completion Joanna Fowler, Ph.D. session, participants will be able to:
1. Describe PET technology
2. Recognize the brain dopamine system and the response of the dopamine system to drugs of abuse vs natural reinforces like food
3. Identify the pharmacokinetics of cocaine in the human brain and the relationship to the ‘high’.
4. Describe dopamine D2 receptor availability in the human brain in addicted individuals.
5. Identify orbital frontal cortex metabolism in addicted individuals
7. Summarize the effects of addiction on public health

Physician Continuing Medical Education
Accreditation Statement: Charles R. Drew University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Physician Credit Designation: Charles R. Drew University designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™ Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For information about the accreditation of this program, please contact Charles R. Drew University at 323.563.9349 or jeonathanrodriguez@cdrewu.edu.

Instructions to Receive Credit: In order to receive credit for this activity, the participant must submit a completed Evaluation/Request for Credit Form to the CME Office. A Statement of Credit will be issued only upon receipt of a Completed Activity Evaluation/Request for Credit Form. Statements of Credit will be emailed to you on a quarterly basis.

Non-Physician Certificates:
Non-physicians who successfully complete the activity will receive a Certificate of Participation. A Certificate of Participation will be issued only upon receipt of a completed Activity Evaluation/Request for Credit Form. Certificates of Participation will be emailed to you on a quarterly basis.

Fee Information: There is no fee for this educational activity.

Disclosure of Conflicts of Interest: Charles R. Drew University requires instructors, planners, managers and other individuals and their spouses/life partners who are in a position to control the content of this activity to disclose any real or apparent conflict of interest they may have as related to the content of this activity. All identified conflicts of interest are thoroughly vetted by Charles R. Drew University for fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations.

Americans with Disabilities Act: If event staff will be gladly assist you with any special needs. Please contact Jeanathan Rodriguez prior to the live event at 323.563.9349 or jeonathanrodriguez@cdrewu.edu.