



**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
[Biography](#) [Video](#)

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

CMayeda@ph.lacounty.gov
[Biography](#) [Video](#) [PowerPoint](#)

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

rivmd83@gmail.com

Metabolic Effects of Smoking Cessation: A Literature Review

Kindred Harris+*

DGSOM at UCLA

M.D. Candidate, MS I

KKHarris@mednet.ucla.edu

[Biography](#)

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

[Biography](#) [Video](#)

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

[Biography](#) [Video](#) [PowerPoint](#)

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

[Biography](#) [Video](#) [PowerPoint](#)

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

[Biography](#) [Video](#) [PowerPoint](#)

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

[Biography](#) [Video](#) [PowerPoint](#)

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

Biography Requested not to Post

4:10-4:25 pm 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

Biography PowerPoint

4:25-4:30 pm **CLOSING REMARKS**

PRESENTATION OF PRIZE FOR TOP TRAINEE PRESENTATION AND POST-CONFERENCE EVALUATIONS

Theodore Friedman, MD, PhD

4:30 pm **ADJOURN**

*Funded by CDU DIDARP

+Eligible for top trainee award

^ This specific lecture is a 1.0 *AMA PRA Category 1 Credit*TM 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
6. Describe non-nicotine effects of tobacco smoke exposure on the human brain.
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*TM 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: ♿ Event staff will be gladly assist you with any special needs. Please contact Jeonathan Rodriguez prior to the live event at 323.563.9349 or jeonathanrodriguez@cdrewu.edu.