Plenary Program

8:30 Welcome
CPDD President Sandra Comer

8:40 Report from the National Institute on Drug Abuse,
Nora Volkow, Director

9:10 Report from the National Institute on Alcohol Abuse and Alcoholism, Title of Talk:
The role of stress in addiction: an NIAAA perspective
George Koob, Director

9:40 Presentation of the Stephen G. Holtzman Travel Award for Preclinical Investigators to Jae Kim
Introduction by Martin W. Adler

9:45 Presentation of the CPDD/Media Award to Bess O’Brien
Introduction by Bertha Madras

10:00 Presentation of the J. Michael Morrison Award to Minda Lynch
Introduction by Marilyn Carroll

10:10 Presentation of the Joseph Cochin Young Investigator Award to Jun-Xu Li
Introduction by Charles France

10:20 Presentation of the Mentorship Award to Kenner Rice
Introduction by Thomas Prisinzano

Warren Kurt Bickel, Virginia Tech Carilion Research Institute, Roanoke, VA

10:45 Presentation of the Nathan B. Eddy Award to Warren K. Bickel
Introduction by Stephen Higgins

CPDD Early Career Travel Awards Luncheon
(By Invitation Only)

President’s Symposium

WHERE THERE’S SMOKE: U.S., AUSTRALASIAN, AND EUROPEAN CANNABIS POLICIES AND USE

President: Sandra Comer, Columbia University and NYSPI
Deborah Hasin, Columbia University; New York State Psychiatric Institute
Alison Ritter, University of New South Wales
Marc Auriacombe, University of Bordeaux (France)
Symposium I

DEVELOPING INNOVATIVE BRAIN STIMULATION TREATMENT OPTIONS FOR SUBSTANCE-DEPENDENT INDIVIDUALS: TRANSLATING BASIC SCIENCE KNOWLEDGE OF NEURAL CIRCUITS TO OUR CLINICS

Chairs: Colleen A. Hanlon and Antonello Bonci

3:00 10 Hz TMS as a tool to decrease pain and opioid use among prescription opiatedependent individuals: A single-blind sham controlled MRI & TMS study
   Gregory Sahlem, Medical University of South Carolina, Charleston, SC

3:24 Developing innovative brain stimulation treatment options for substance dependent individuals: Translating basic science knowledge of neural circuits to our clinics
   Colleen A Hanlon, Medical University of South Carolina, Charleston, SC

3:48 Theta burst TMS as a tool to change smoking behavior
   Warren Kurt Bickel, Virginia Tech Carilion Research Institute, Roanoke, VA

4:12 From optogenetics to a potential rTMS treatment against cocaine use disorders
   Antonello Bonci, National Institute of Drug Abuse, Baltimore, MD

4:36 DISCUSSANT: Dr. Hanlon and Dr. Bonci will lead an interactive discussion with the panel members and soliciting questions from the audience
   Colleen A Hanlon, Medical University of South Carolina, Charleston, SC

Symposium II

INFLUENCE OF METABOLIC HORMONES ON REWARD PROCESSING AND ADDICTION

Chairs: Arbi Nazarian and Minda Lynch

3:00 Insulin signaling and diabetes: What do we know about the rewarding effects of nicotine in the diabetic brain?
   Arbi Nazarian, Western University of Health Sciences, Pomona, CA

3:24 Leptin signaling in the ventral tegmental area regulates food intake and brain reward function
   Adriaan Bruijnzeel, University of Florida, Gainesville, FL

3:48 Ghrelin and GLP-1: Seeking the yin and yang in alcoholism
   Lorenzo Leggio, NIAAA and NIDA, Bethesda, MD

4:12 The role of central glucagon-like peptide-1 receptors in cocaine addiction
   Heath Schmidt, University of Pennsylvania, Philadelphia, PA

4:36 DISCUSSANT: What do metabolic hormones in the brain teach us about reward and addiction?
   Minda Lynch, NIDA, Bethesda, MD
3:00  **Effect of a dopamine D3 receptor partial agonist on cocaine-induced locomotion and self-administration**

J. Bonadonna¹, G. Powell¹, A. K. Carlson¹, R. Mendoza¹, R. H. Mach², R. R. Luedtke³,
J. L. Neisewander¹, ¹School of Life Sciences, Arizona State University, Tempe, AZ, ²Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, ³Health Science Center, University of North Texas, Fort Worth, TX

3:15  **CXCR4 antagonist Plerixafor attenuates cue-and cue/drug-induced relapse to cocaine seeking and expression and development of cocaine-induced conditioned place preference**

J. K. Kim¹, S. Rawls¹,², ¹Pharmacology, Lewis Katz School of Medicine at Temple University, Philadelphia, PA, ²Center for Substance Abuse Research, Lewis Katz School of Medicine at Temple University, Philadelphia, PA

3:30  **Kappa opioid receptor agonist 16-ethynyl salvinorin A attenuates the rewarding effects of cocaine in the progressive ratio model in rats with fewer side-effects**

B. M. Kivell¹, D. Young¹, A. Culverhouse¹, T. Prisinzano², ¹School of Biological Sciences, Victoria University of Wellington, Wellington, New Zealand, ²Department of Medicinal Chemistry, University of Kansas, Lawrence, KS

3:45  **Effects of chronic amphetamine on abuse-related behavioral and neurochemical effects of cocaine in rats**

A. Johnson, S. S. Negus, Virginia Commonwealth University, Richmond, VA

4:00  **Long-term blockade of cocaine use and locomotor activation in rats by an adenoviral vector-delivered cocaine hydrolase**

J. R. Smethells², N. Swalve², S. Brimijoin¹, R. Parks⁴, M. E. Carroll², ¹Molecular Pharmacology, Mayo Clinic, Rochester, MN, ²University of Minnesota, St. Paul, MN, ⁴Ottawa Hospital Research Institute, Ottawa, ON, Canada

4:15  **Exercise during early, but not late, abstinence attenuates subsequent relapse vulnerability in a rat model**

W. J. Lynch, R. M. Beiter, A. B. Peterson, J. Abel, Psychiatry and Neurobehavioral Sciences, University of Virginia, Charlottesville, VA

4:30  **New generation tamoxifen analogs as potential treatments for amphetamine abuse**

C. A. Carpenter¹, R. Altshuler¹, A. Zestos², R. Sorenson³, E. M. Jutkiewicz¹, R. Kennedy², H. Showalter³, M. Gnegy¹, ¹Pharmacology, University of Michigan, Ann Arbor, MI, ²Chemistry, University of Michigan, Ann Arbor, MI, ³Vahlteich Medicinal Chemistry Core, University of Michigan, Ann Arbor, MI

4:45  **Enantiomers of (±)GZ-888 potently and selectively inhibit vesicular monoamine transporter-2 function and methamphetamine-stimulated locomotor activity**

N. Lee¹, G. Zheng³, S. M. Mayfield², E. D. Denehy², J. R. Nickell¹, Z. Cao¹, P. A. Crooks³, M. T. Bardo², L. P. Dwoskin¹, ¹Pharmaceutical Sciences, University of Kentucky, Lexington, KY, ²Psychology, University of Kentucky, Lexington, KY, ³Pharmaceutical Sciences, University of Arkansas for Medical Sciences, Fayetteville, AR
DAZED AND CONFUSED: POLYDRUG ABUSE

Chairs: Kimberly C. Kirby and J. Aaron A. Johnson

3:00  
Gender and age bias in drug and alcohol screening
J. A. Johnson\textsuperscript{2}, R. Howell\textsuperscript{2}, P. Seale\textsuperscript{1}, \textsuperscript{1}Navicent Health, Macon, GA, \textsuperscript{2}Augusta University, Augusta, GA

3:15  
Addressing unmet addiction need in an urban hospital
K. Ahamad\textsuperscript{2}, S. Nolan\textsuperscript{3}, E. Wood\textsuperscript{1}, \textsuperscript{1}Urban Health Research Initiative, BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada, \textsuperscript{2}University of British Columbia, Vancouver, BC, Canada, \textsuperscript{3}Department of Medicine, University of British Columbia, Vancouver, BC, Canada

3:30  
Longitudinal health service patterns of patients with alcohol, cannabis, and opioid use disorders
A. L. Bahorik\textsuperscript{2}, D. Satre\textsuperscript{2,1}, A. H. Kline-Simon\textsuperscript{1}, K. C. Young-Wolff\textsuperscript{2,1}, C. Weisner\textsuperscript{2,1}, C. Campbell\textsuperscript{1,2}, \textsuperscript{1}Division of Research, Kaiser Permanente Northern California, Oakland, CA, \textsuperscript{2}Psychiatry, University of California, San Francisco, San Francisco, CA

3:45  
Expanded brief intervention for substance use in primary care
A. C. Brooks\textsuperscript{1}, C. M. Carpenedo\textsuperscript{1}, J. Lauby\textsuperscript{2}, D. Metzger\textsuperscript{1,5}, E. Byrne\textsuperscript{1}, K. Favor\textsuperscript{3}, K. C. Kirby\textsuperscript{1,4}, \textsuperscript{1}Treatment Research Institute, Philadelphia, PA, \textsuperscript{2}Public Health Management Corporation, Philadelphia, PA, \textsuperscript{3}Lincoln University, Lincoln University, PA, \textsuperscript{4}Rowan University, Glassboro, NJ, \textsuperscript{5}University of Pennsylvania, Philadelphia, PA

4:00  
The computer-based drug and alcohol training assessment in Kenya
V. Clair\textsuperscript{1,2}, V. Mutiso\textsuperscript{3}, A. Musau\textsuperscript{3}, E. Frank\textsuperscript{1}, D. Ndetei\textsuperscript{3}, \textsuperscript{1}University of British Columbia, Vancouver, BC, Canada, \textsuperscript{2}Urban Health Research Initiative, British Columbia Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada, \textsuperscript{3}Africa Mental Health Foundation, Nairobi, Kenya

4:15  
Who says yes?: Sample representativeness in a clinical trial of SBIRT
S. S. Kelpin\textsuperscript{2}, S. J. Ondersma\textsuperscript{3}, D. Svikis\textsuperscript{1}, \textsuperscript{1}Virginia Commonwealth Univ., Richmond, VA, \textsuperscript{2}Psychology, Virginia Commonwealth University, Richmond, VA, \textsuperscript{3}Wayne State University, Detroit, MI

4:30  
Mortality rates among substance use disorder participants in clinical trials: Pooled analysis of 22 NIDA CTN studies
P. VanVeldhuisen\textsuperscript{1}, L. Hu\textsuperscript{1}, R. Lindblad\textsuperscript{1}, N. Oden\textsuperscript{1}, P. Wakim\textsuperscript{2}, C. Rosa\textsuperscript{1}, \textsuperscript{1}Emmes, Rockville, MD, \textsuperscript{2}NIH, Bethesda, MD, \textsuperscript{3}NIDA, Rockville, MD

4:45  
A brief substance use screening and assessment for general medical settings: Validation of the tobacco, alcohol, prescription medication, and other substance use tool
J. McNeely\textsuperscript{1}, L. T. Wu\textsuperscript{2}, G. Subramaniam\textsuperscript{3}, G. Sharma\textsuperscript{4}, R. P. Schwartz\textsuperscript{5}, \textsuperscript{1}NYU School of Med, NYC, NY, \textsuperscript{2}Duke U School of Med, Durham, NC, \textsuperscript{3}NIADA, Bethesda, MD, \textsuperscript{4}Emmes Corp, Rockville, MD, \textsuperscript{5}Friends Research Inst, Baltimore, MD
Sunday, June 12, 2016

**Primm-Singleton Awardees Reception**

The Studios
5:00 - 6:00 PM

**Workshop I**

**NAVIGATING KEY STAGES OF A CAREER IN ADDICTION SCIENCE: GRADUATE SCHOOL, POST-DOC AND EARLY-CAREER**

Chairs: Teresa Franklin and Denise C. Vidot

*Navigating the Post doctoral stage: I made it! Now what?*
Teresa Franklin, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA

*Navigating the Pre-doctoral stage: Achieving the impossible!*
Qiana Brown, Columbia University Mailman School of Public Health, New York, NY

*Navigating the early career stage: How do I obtain NIH funding?*
Cristina B Bares, The University of Michigan School of Social Work, Ann Arbor, MI

**Workshop II**

**THE LANDMARK ADOLESCENT BRAIN COGNITIVE DEVELOPMENT STUDY (ABCD): A DETAILED DISCUSSION OF THE STUDY GOALS, METHODOLOGIES, AND PROJECT START-UP**

Chairs: Susan Weiss and Margaret Murray

*The NIH Vision for ABCD*
Gaya Dowling, National Institute on Drug Abuse, Rockville, MD

*Design, sampling strategy, and organization of ABCD*
Sandra A Brown, University of California, San Diego, La Jolla, CA

*Assessment domains and technologies applied in ABCD*
Susan Tapert, University of California, San Diego, La Jolla, CA

*ABCD neuroimaging and data sharing*
Anders Dale, University of California, San Diego, La Jolla, CA

*Current status of the study*
Terry Jernigan, University of California, San Diego, La Jolla, CA

**Workshop III**

**EMERGING TECHNOLOGY FOR HUMAN SUBJECTS RESEARCH**

Chairs: Jonathan J. Stoltman and Edward V. Nunes

*Using Amazon’s Mechanical Turk (mTurk) to sample substance using populations*
Justin C Strickland, Department of Psychology, University of Kentucky, Lexington, KY
HIPAA, quasi-anonymity, and other ethical issues with electronic screening and brief intervention in health care settings
Steven J. Ondersma, Department of Psychiatry & Behavioral Neurosciences, Wayne State University, Detroit, MI

Using Facebook to recruit young adult tobacco users
Danielle Ramo, Department of Psychiatry, University of California, San Francisco, San Francisco, CA

The remote monitoring of smoking among adolescents and emerging adults: Attitudes, acceptability, and feasibility
Erin A McClure, Department of Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, SC

Crossing the bridge between the laboratory and the natural environment in addictions research
Jin H. Yoon, University of Texas Health Science Center at Houston, Houston, TX

DISCUSSANT:
Edward V Nunes, NYS Psychiatric Institute, New York, NY

Workshop IV
Fiesta 4
7:00 - 9:00 PM

INTERNATIONAL EMERGENCE AND ABUSE OF NEW PSYCHOTROPIC SUBSTANCES (NPS), THEIR TOXICITY AND THE CURRENT REGULATORY RESPONSE

Chairs: Patrick Beardsley and Jane C. Maxwell

Introduction to the NPS issues and the status of the International Regulatory Response
Patrick Beardsley, Virginia Commonwealth University, Richmond, VA

Detection, identification, exposure assessment and pharmacological evaluation of new psychotropic substances of abuse
B. F. Thomas, Research Triangle Institute, Research Triangle Park, NC

NPS situation in Europe
Paul Griffiths, European Monitoring Centre for Drugs and Drug Addiction, Lisbon, Portugal

NPS situation in Australasia
Raimondo Bruno, University of Tasmania, Hobart Tasmania, TAS, Australia

NPS situation in North America
Jane C. Maxwell, University of Texas Addiction Research Institute, Austin, TX

General Discussion:
Co-Chairs, Null, Philadelphia, PA

Workshop V
Fiesta 10/14
8:00 - 10:00 PM

EPIDEMIOLOGY AND PUBLIC HEALTH RESEARCH METHODS

Chairs: James C. Anthony and Jan Copeland

Introduction to the Workshop
Jan Copeland, National Cannabis Prevention Medicine, University of NSW, New South Wales, NSW, Australia
Introduction to the Workshop
James C. Anthony, Michigan State University, East Lansing, MI

Overview of NIDA Epidemiology and DESPR Program Announcements and NIDA-supported resources for research
Marsha Lopez, National Institute on Drug Abuse, Bethesda, MD

Estimating causal effects with observational data when there is more than one treatment
Rajeev Ramchand, Rand Corporation, Arlington, VA

Please be advised that no photographing of presentations or data is permitted. Badges must be worn at all times and are required for admission into all events and sessions.
Monday, June 13, 2016

**Town Hall**

**FROM DISCOVERY TO TRANSLATION: NAVIGATING THE ENTREPRENEURSHIP JUNGLE**

Chairs: Beatriz Rocha and Marco Pravetoni

- **Start-ups from an academic view**
  Andrew Coop, University of Maryland School of Pharmacy, Baltimore, MD

- **How to spin off small pharmaceutical business**
  Elena Koustova, National Institute on Drug Abuse, Bethesda, MD

- **Starting your own spin-off focusing on med development for drug addiction**
  Paul Kenny, Department of Pharmacology & Systems Therapeutics, Icahn School of Medicine at Mount Sinai, New York, NY

**Media Forum**

**WHAT’S HOT: PIVOTAL RESEARCH REPORTED AT CPDD 2016**

Chairs: Bertha Madras and Anna R. Childress

- **Introduction to media: How to shape an effective and short presentation**
  Bertha Madras, Harvard Medical School, Belmont, MD

- **Introduction to each speaker**
  Anna Rose Childress, University of Pennsylvania, Philadelphia, PA

**Symposium III**

**IDENTIFYING SYSTEM-LEVEL BIOMARKERS OF SUBSTANCE ABUSE USING FUNCTIONAL CONNECTIVITY OF THE BRAIN**

Chairs: Yihong Yang and Elliot Stein

10:15 *Imbalanced striatal-frontal functional connectivity predicts compulsive and impulsive behaviors in cocaine addiction*
  Yihong Yang, National Institute on Drug Abuse, Intramural Research Program, Baltimore, MD

10:39 *Graph-theoretical modeling of brain connectivity in long-term, heavy cannabis users*
  Francesca Filbey, University of Texas at Dallas, Dallas, TX

11:03 *Alcohol and brain connectivity: Neuroimaging of humans and animal models*
  Adolf Pfefferbaum, Center for Health Sciences, SRI International, Menlo Park, CA

11:27 *Towards a biomarker of nicotine dependence*
  Elliot Stein, National Institute on Drug Abuse, Intramural Research Program, Baltimore, MD

11:51 **DISCUSSANT: Addiction: Unbalanced neurocircuitry**
  Nora Volkow, National Institute on Drug Abuse, Rockville, MD
Symposium IV
COGNITIVE FUNCTION AS A NOVEL TREATMENT TARGET FOR DRUG ADDICTION
Chairs: Mehmet Sofuoglu and Kathleen Carroll

10:15 Psychostimulants as cognitive enhancers in cocaine addiction
Muhammad A. Parvaz, Icahn School of Medicine at Mount Sinai, New York, NY

10:39 Use of compensatory strategies in technological enhancement treatment for substance abusers
Efrat Aharonovich, Columbia University, New York, NY

11:03 Smart phones for smoking cessation: Cognitive bias modification for addiction
Andrew Waters, Uniformed Services University of the Health Sciences, Bethesda, MD

11:27 A placebo controlled trial of galantamine and CBT4CBT as a cognitive enhancement strategy
Kathleen Carroll, Yale University, West Haven, CT

11:51 DISCUSSANT: The promise of cognitive enhancement as a treatment for addictions
Mehmet Sofuoglu, Yale University School of Medicine, West Haven, CT

Oral Communications 3
THE MAN WITH THE GOLDEN ARM: OPIOID TX
Chairs: Charles Gorodetzky and Kelly E. Dunn

10:15 Pain severity and subsequent opioid use during buprenorphine-naloxone treatment of prescription opioid-dependent patients with chronic pain
R. Weiss¹, M. L. Griffin³, K. McDermott², K. McHugh⁴, S. L. Karakula², G. Fitzmaurice⁴, ¹Harvard Medical School, Belmont, MA, ²Alcohol and Drug Abuse Clinical Research Program, McLean Hospital, Brookline, MA, ³McLean Hospital/HMS, Belmont, MA, ⁴McLean Hospital/Harvard Medical School, Belmont, MA

10:30 The role of genetic polymorphisms on patient response to opioid use disorder therapy with naltrexone and guanfacine
E. Blokhina¹, E. Krupitsky¹, A. Kibitov³, E. Verbetskaya¹, T. Kosten², D. A. Nielsen², E. Zvartau¹, ¹First Pavlov State Medical University, St. Petersburg, Russian Federation, ²Baylor College of Medicine, Houston, TX, ³Serbsky Federal Medical Research Centre of Psychiatry and Narcology, Moscow, Russian Federation, ⁴Bekhterev Research Psychoneurological Institute, St. Petersburg, Russian Federation

10:45 Optimal minimum length of treatment in opioid-dependence with buprenorphine
V. Zah¹, N. Matveev¹, C. Chen², J. Ruby³, ¹Health Economics, ZRx Outcomes Research Inc., Mississauga, ON, Canada, ²College of Pharmacy, University of New Mexico, Albuquerque, NM, ³Medical Affairs / HEOR, Indivior, Inc., Richmond, VA

11:00 Optimal prevention of relapse among opioid users: A 12-week randomized controlled trial of extended-release naltrexone injections versus daily buprenorphine-naloxone
L. H. Tanum¹,², A. Opheim², K. Solli³, K. Sharma-Haase³, Z. Latif³, N. Kunoe³, ¹R&D mental health, Akershus University Hospital, Lorenskog (Oslo), Norway, ²Department of addiction medicine, Haukeland University Hospital, Bergen, Norway, ³University of Oslo, Norwegian Centre for Addiction Research, Oslo, Norway
11:15 Randomized controlled evaluation of tramadol for opioid detoxification
K. E. Dunn, D. A. Tompkins, G. Bigelow, E. C. Strain, Johns Hopkins University, Baltimore, MD

11:30 A phase III, randomized, double-blind, placebo-controlled study of the safety and efficacy of lofexidine for relief of symptoms in adults undergoing inpatient opioid detoxification
C. Gorodetzky¹, S. L. Walsh², K. Gullo³, ¹USWM (Cons.), Kansas City, MO, ²Univ. KY, Lexington, KY, ³USWM, Louisville, KY

11:45 Interim buprenorphine treatment for reducing illicit opioid use during treatment delays
S. C. Sigmon¹, T. A. Ochalek², B. Hruska¹, S. H. Heil¹, S. Higgins¹, G. Rose¹, B. A. Moore³, ¹Psychiatry, The University of Vermont, Burlington, VT, ²Psychology, University of Vermont, Burlington, VT, ³Psychiatry, Yale University School of Medicine, New Haven, CT

12:00 Unobserved home induction onto buprenorphine: Outcomes at year 7
J. D. Lee², E. Patterson Bhatraju², B. Tofighi², M. Flannery², A. Kermack², M. Gourevitch², A. Garment³, K. Goldfeld², J. McNeely¹, E. Grossman³, ¹Population Health, NYU School of Medicine, New York, NY, ²Population Health, New York University, New York, NY, ³Medicine, New York University, New York, NY

Oral Communications 4

MRS. DOUBTFIRE: SEX/GENDER

Chair: Eduardo Butelman

10:15 Oxytocin reduced motivation to take cocaine in female rats and reduced reinstated drug seeking in male and females
K. Leong, A. Hand, S. M. Ghee, C. M. Reichel, Neuroscience, Medical University of South Carolina, Charleston, SC

10:30 Methamphetamine addiction vulnerability, the marked sex differences in the propensity to select methamphetamine over food reinforcement
M. Purpura, P. Viera, Psychological and Brain Sciences, University of California Santa Barbara, Santa Barbara, CA

10:45 Sex differences in a mood-based impulsivity model as a predictor for amphetamine CPP in rats
D. B. Vazquez Sanroman², M. T. Bardo¹,², ¹Psychology, University of Kentucky, Lexington, KY, ²Psychology, Center for Drug Abuse Research Translation, Lexington, KY

11:00 Taurine’s effects on cocaine-induced behavioral sensitization in male and female rats
K. Y. Salas-Ramirez, M. Muritala, S. Singh, S. Ayo, R. Liang, T. Adebowale, K. Chauhan, A. Elzanie, CUNY School of Medicine, New York, NY

11:15 Examining frontal-striatal circuit integrity in male and female cocaine users with TMS
L. T. Dowdle, W. DeVries, M. Canterberry, C. A. Hanlon, Medical University of South Carolina, Charleston, SC

11:30 Gender differences in cannabis use disorder treatment: Change readiness and taking steps predict worse outcomes for women
B. J. Sherman¹, N. Baker², A. McRae-Clark¹, ¹Psychiatry, Medical University of South Carolina, Charleston, SC, ²Medical University of South Carolina, Charleston, SC
11:45  Sex differences in smoking withdrawal, urge, and cessation after stroke-induced insular cortex damage
A. Abdolahi¹, ², G. Williams², C. Benesch², H. Wang², E. Spitzer³, B. Scott³, R. Block², E. van Wijngaarden², ¹Acute Care Solutions, Philips Research, Cambridge, MA, ²University of Rochester, Rochester, NY, ³Rochester General Hospital, Rochester, NY

12:00  Addictive diseases and depression comorbidity: Age trajectory and gender comparison
E. Butelman¹, S. Bacciardi², A. G. Maremmani², M. Darst-Campbell¹, B. M. Ray¹, E. Ducat¹, M. Kreek¹, ¹Laboratory on the Biology of Addictive Diseases, The Rockefeller University, New York, NY, ²“VP Dole” Dual Diagnosis Unit, Santa Chiara University Hospital of Pisa, Pisa, Italy

Poster Session I
(Lunch) 12:15 - 2:15 PM
Odd-numbered posters manned first hour;
Even-numbered, second hour

Set-up time begins Sunday, 1 PM
Must be removed by Monday 2:30 PM

Immune/HIV

1 Preliminary findings: HIV/STD risk among crack cocaine-dependent patients in treatment in Brazil’s ‘Crackland’
S. McPherson², C. S. Madruga¹, A. Q. Miguel¹, M. G. McDonell², A. Ribeiro¹, ¹Psychiatry, UNIFESP, Sao Paulo, Brazil, ²Washington State University, Spokane, WA

2 Rates and correlates of syphilis reinfection among men who have sex with men in San Francisco
J. P. Jain¹, G. Santos², S. Scheer³, S. Gibson⁴, P. Crouch⁴, R. Kohn³, W. Chang¹, A. Carrico¹, ¹CHS, UCSF, San Francisco, CA, ²Community Health Systems, University of California San Francisco, San Francisco, CA, ³SFDPH, San Francisco, CA, ⁴SFAF, San Francisco, CA

3 HIV, overdose mortality and the impact of anti-retroviral therapy adherence
A. Caudarella², H. Dong¹, K. Hayashi¹, T. Kerr¹, E. Wood¹, M. Milloy¹, ¹Urban Health Research Initiative, BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada, ²University of British Columbia, Toronto, ON, Canada

4 Food insecurity and HIV progression among Russians with heavy alcohol consumption
B. Idrisov², K. Lunze², D. M. Cheng², E. Blokhina¹, N. Gnatienko², G. Pattis², C. Briddon², C. Chaisson², S. D. Weiser⁴, E. Krupitsky¹, J. H. Samet², ¹First St. Petersburg Pavlov State Medical University, St. Petersburg, Russian Federation, ²Boston University, Boston, MA, ³University of Northern Colorado, Greeley, CO, ⁴Brown University, Providence, RI

5 Predictors of skin infections among hospitalized injection drug users in Boston
K. T. Phillips², B. J. Anderson³, ², J. M. Liebschutz¹, M. Stein³, ¹Medicine, Boston University School of Medicine, Boston, MA, ²University of Northern Colorado, Greeley, CO, ³General Internal Medicine, Butler Hospital, Providence, RI, ⁴Brown University, Providence, RI

6 CD8+ lymphocytes and CD14high CD16low monocytes in chronic marijuana-using HIV patients
J. Panee, L. Chang, University of Hawaii, Honolulu, HI
Marijuana use frequency is associated with viral load suppression and biobehavioral outcomes in HIV+ patients
L. H. Lundahl¹, C. L. Arfken¹, J. A. Cohn², M. Greenwald¹, ¹Psychiatry and Behavioral Neuroscience, Wayne State University School of Medicine, Detroit, MI, ²Internal Med, Wayne State University, Detroit, MI

Effects of HIV infection and cocaine dependence on laboratory-based decision making task performance
S. L. Towe, A. L. Hobkirk, C. S. Meade, Psychiatry & Behavioral Sciences, Duke University, Durham, NC

The interaction between cocaine dependence and HIV infection on risky decision making and its neural substrates
M. Addicott, A. L. Hobkirk, D. Cordero, C. S. Meade, Psychiatry & Behavioral Sciences, Duke University, Durham, NC

Is TAAR1 a potential therapeutic target for immune dysregulation in drug addiction?
L. M. Fleischer, N. Tamashunas, G. M. Miller, Pharmaceutical Sciences, Northeastern University, Boston, MA

Development of a combination heroin-HIV vaccine
G. R. Matyas¹, O. Torres², R. Jalah², J. Antolino³, K. K. Peachman², M. Rao¹, A. Jacobson³, C. Alving¹, K. Rice³, ¹US Military HIV Research Program, Walter Reed Army Institute of Research, Silver Spring, MD, ²US Military HIV Research Program, Henry M. Jackson Foundation, Silver Spring, MD, ³NIDA, NIH, Bethesda, MD, ⁴NIAAA, NIH, Bethesda, MD

HIV-1 Tat-protein elevates forebrain glutathione levels and increases morphine drug-seeking and depression-like behaviors in mice
J. P. McLaughlin², S. Eans², J. Medina², K. Hymel², A. Rock³, D. Mintzopoulos³, M. J. Kaufman¹, ¹Brain Imaging Center, McLean Hospital, Belmont, MA, ²Pharmacodynamics, University of Florida, Gainesville, FL, ³McLean Imaging Center, McLean Hospital, Belmont, MA

Search for novel TLR4 antagonists for the treatment of neuropathic pain and drug abuse
M. Wang, A. E. Jacobson, Molecular Targets and Medications Discovery Branch, National Institute of Drug Abuse and National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Bethesda, MD

Morphine-induced analgesia in the sensory and affective components of inflammatory pain
A. Armendariz, A. Nazarian, Pharmaceutical Sciences, Western University of Health Sciences, Pomona, CA

Partial kappa opioid receptor agonist effects in vivo in mice: Biased versus unbiased
C. Guariglia, A. Dunn, K. Windisch, E. Butelman, B. Reed, M. Kreek, The Rockefeller University, New York, NY

Abuse-related effects of the biased mu opioid receptor agonist TRV130 on intracranial self-stimulation in rats
A. Altarifi¹, B. Blough³, S. S. Negus², ¹Pharmacology, Jordan University of Science & Technology, Irbid, Jordan, ²Virginia Commonwealth University, Richmond, VA, ³Research Triangle Institute, Research Triangle Park, NC
17 Chronic administration of nandrolone increases the liability to morphine dependence with no correlation with LVV-hemorphin 7 in rats
E. Huang¹, Y. Chen¹, T. Huang¹, L. Chow¹, Pharmacology, National Defense Medical Center, Taiwan, Taipei, Taiwan, ²Anesthesiology Department, Taipei Veterans General Hospital, Taipei, Taiwan, ³Department of Neurological Surgery, Tri-Service General Hospital, Taipei, Taiwan

18 Anxiolytic-like and discriminative stimulus effects of benzodiazepine+neuroactive steroid combinations in rats
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19 Novel environment response as a predictor of midazolam self-administration in rats
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20 Emerging role of microRNAs in regulation of nicotine dependence: A Caenorhabditis elegans model
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21 The role of the α7 and α4β2 nicotinic receptors in nicotine sensitization and neural plasticity of adolescent rats neonatally treated with quinpirole: Effects on mTOR and nicotinic receptor density
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22 Silencing giant cholinergic interneurons in the nucleus accumbens with DREADDs reduces nicotine self-administration in rats
E. A. Williams, C. A. Bradley, M. I. Palmatier, Psychology, East Tennessee State University, Johnson City, TN

23 Role of accumbens nicotinic acetylcholine receptors in cue-induced nicotine seeking and synaptic plasticity
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24 Vulnerability to glutamate excitotoxicity is sexually dimorphic in rats exposed to chronic social defeat stress: Relevance to astrocytic glutamate-glutamine cycle
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25 Expression of the cannabinoid CB1 receptor in Chinese hamster ovary cells: A specific cellular model to investigate the acute and chronic effects of synthetic cannabinoids
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26 In vivo and in vitro cannabinoid effects of three synthetic compounds
M. J. Forster, M. B. Gatch, Center for Neuroscience Discovery, UNT Health Science Center, Fort Worth, TX
27 Physiological and pharmacokinetic effects of e-cigarette-type exposure to delta9-tetrahydrocannabinol in rats
   J. D. Nguyen1, S. M. Aarde1, S. Vandewater1, Y. Grant1, D. G. Stouffer1, M. Cole2,
   L. Parsons1, M. A. Taffe1, 1CNAD, The Scripps Research Institute, San Diego, CA, 2La Jolla
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28 Real-time, continuous electrochemical monitoring of drugs in vivo
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IMAGING

29 Fractional anisotropy increase in long-term anabolic-androgenic steroid users
   M. J. Kaufman2, J. Seitz1, A. E. Lyall1, G. Kanayama2, N. Makris1,2, J. I. Hudson2,
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30 Alexithymia and addiction: A review and preliminary data suggesting neurobiological links to
   reward/loss processing
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31 A brain imaging study of dopamine receptor D2 availability in cannabis-dependent users
   after recovery from cannabis-induced psychosis using [123I] IBZM in Single Photon Emission
   Tomography
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32 Psilocybin in long-term meditators: Effects on default mode network functional connectivity and
   retrospective ratings of qualitative experience
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33 Altered resting state fMRI response in young adult marijuana users and heavy drinkers
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34 Striatal responses to d-amphetamine differentiates young adults at “high-risk” of drug abuse
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35 Psychological intervention with working memory training increases basal ganglia volume:
   A VBM study of inpatient treatment for methamphetamine dependence
   S. J. Brooks, D. J. Stein, L. Van Nunen, Psychiatry and Mental Health, University of Cape
   Town, Cape Town, South Africa
36 Methamphetamine dependence linked to interoceptive processing deficits during aversive breathing load
A. C. May1, J. L. Stewart4, P. Davenport2, S. Tapert1, M. P. Paulus3, 1UC San Diego, San Diego, CA, 2Physiological Sciences, University of Florida, Gainesville, FL, 3Laureate Institute for Brain Research, Tulsa, OK, 4Queens College, City University of New York, Flushing, NY

37 The effects of naltrexone on neural responses to methamphetamine cues
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38 Structural analysis of the limbic system in substance dependence

39 Effective connectivity of attentional bias in cocaine dependence
F. Moeller7,8,3, L. Ma7,9, J. Steinberg7,3, J. Bjork7,3, S. D. Lane2, P. A. Narayana10, T. Kosten1, A. Bechara11, J. Schmitz4, A. E. Price6, K. A. Cunningham5, 1Psychiatry, Baylor, Houston, TX, 2Psychiatry & Behavioral Sciences, UT Health Science Center, Houston, TX, 3Psychiatry and Pharmacology, VCU, Richmond, VA, 4UT, Houston, TX, 5Center for Addiction Research, UT Medical Branch, Galveston, TX, 6Neuroscience Graduate Program, UT Medical Branch, League City, TX, 7Institute for Drug and Alcohol Studies, VCU, Richmond, VA, 8Center for Clinical and Translational Research, Richmond, VA, 9Radiology, VCU, Richmond, VA, 10Radiology, UT Houston Medical School, Houston, TX, 11Psychology, USC Brain and Creativity Institute, Los Angeles, CA

40 When bigger isn’t better: Widespread brain activation during attempted inhibition of the response to 6-sec cocaine video cues predicts poor drug use outcome

41 Transition to problem stimulant use marked by amplified insular responding to pleasant interoceptive stimuli

42 Resting state functional connectivity among cocaine users
A. L. Hobkirk1, R. P. Bell2, A. V. Utevsky3, C. S. Meade1, 1Psychiatry & Behavioral Sciences, Duke University, Durham, NC, 2Psychology, University of North Carolina, Chapel Hill, NC, 3Psychology and Neuroscience, Duke University, Durham, NC

43 Hemispheric associations of behavioral inhibition and approach in substance dependence
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Neural effects of treatment in a trial of behavioral therapies and disulfiram for cocaine dependence
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Poorer working memory performance among cocaine users accounted for by increased activation in the middle frontal gyrus
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Distress tolerance among substance users associated with connectivity between the MFG and vmPFC/sgACC during a distress tolerance task
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The “little brain” steps up: Cerebellar activity during successful inhibition predicts treatment outcome in cocaine patients

Switching gears: Shifts in reward function associated with age of onset of MJ use
N. Hager1, K. Jagannathan1, R. Wetherill1, P. Regier1, Y. Mashhoon2, H. Pater3, C. P. O’Brien1, A. R. Childress1, T. Franklin1, 1Psychiatry, University of Pennsylvania, Philadelphia, PA, 2Psychiatry, Harvard, Belmont, MA

Losing balance: Time course of smoking cue-elicited neural activity

Right inferior frontal gyrus structure and function predict smoking (re)lapse in real-world and laboratory contexts
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Insula reactivity to negative stimuli is associated with daily cigarette use: A preliminary investigation using the human connectome database
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Impact of smoking reduced nicotine content cigarettes on sensitivity to cigarette price: Results from a multi-site clinical trial
E. Donny1, T. T. Smith1, R. Cassidy2, J. W. Tidey2, X. Luo3, C. Le3, D. Hatsukami4, 1Psychology, University of Pittsburgh, Pittsburgh, PA, 2Brown University, Providence, RI, 3University of Minnesota, Minneapolis, MN, 4University of Minnesota Medical School, Minneapolis, MN
53 Interactions between alcohol and mephedrone in humans
M. Farré1,2,3, E. Papaseit2,1,3, C. Pérez-Manaña2,3, E. de Souza Fernandes4, J. F. Mateus2, E. Olesti2,6, K. Kyipers4, E. Theunisen4, F. Fonseca5,3, M. Torrens5,3, J. Ramaekers4, R. F. de la Torre2,6, 1Clinical Pharmacology, Hospital Universitari Germans Trias i Pujol-IGTP, Badalona, Spain, 2Pharmacology, Hospital del Mar Medical Research Institute-IMIM, Barcelona, Spain, 3Universitat Autonoma de Barcelona-UAB, Barcelona, Spain, 4Faculty of Psychology and Neuroscience, Maastricht University, Maastricht, Netherlands, 5Institut de Neuropsiquiatria i Addiccions, Hospital del Mar-IMIM-PSMAR, Barcelona, Spain, 6Universitat Pompeu Fabra, Barcelona, Spain

54 Select characteristics of recreational opioid users undergoing a human abuse potential study
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55 Abuse liability of buprenorphine vs. buprenorphine/naloxone: Importance of absolute amount
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56 Monitoring Internet postings for mentions of an extended-release hydrocodone formulation with abuse-deterrent properties
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57 Correlating viscosity and in vitro dissolution to in vivo pharmacokinetic profiles of proprietary injected-molded tablet formulations with abuse-deterrent characteristics
T. Elhauge, N. Skak, M. J. Øvergård, K. Lindhardt, Egalet Corporation, Værløse, Denmark

58 Moderate TBI increases susceptibility to rewarding effects of a subthreshold dose of cocaine in mice
L. Cannella1, S. Merkel1,2, R. Razmpour1, C. S. Tallarida2,3, S. Rawls2,3, S. Ramirez1,2,4, 1Pathology, TUSM, Philadelphia, PA, 2CSAR, TUSM, Philadelphia, PA, 3Pharmacology, TUSM, Philadelphia, PA, 4Shriners’, Philadelphia, PA

59 Evaluation of human abuse liability of JZP-110
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ETHIC DIFFERENCES/HEALTH DISPARITIES

60 A mixed methods assessment of familism’s (Familismo) influence on the initiation, cessation, and treatment of injection heroin use
D. V. Flores1, L. Torres1, J. Burnett3, R. Xia3, P. Bordonick1, 1University of Houston, Houston, TX, 3University of Texas Medical School, Houston, TX

61 A multi-component brief intervention for risky drug use among Latino patients of a federally qualified health center in East Los Angeles: A randomized controlled trial of the QUIT Using Drugs Intervention Trial (QUIT) brief intervention
L. Gelberg1, R. Andersen1, M. Vahidi1, M. Rico1, S. Baumeister2, B. Leake1, 1UCLA, Los Angeles, CA, 2University of Regensburg, Regensburg, Germany
Subjective happiness moderates the effects of nicotine dependence on acute tobacco withdrawal in African-American smokers
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Smoking and trauma in Syrian refugees
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Sport involvement and marijuana use during adolescence: The significance of level of contact and race/ethnicity
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Perceived racial discrimination and motivations for illicit substance use among Black college student drug users
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The gap in marijuana prevalence between Black and White adolescents has disappeared since 2011: The role of perceived risk of marijuana use
R. Miech¹, P. O'Malley¹, L. A. Johnston¹, J. Wallace⁴, University of Michigan, Ann Arbor, MI, ⁴University of Pittsburgh, Pittsburgh, PA

US trends in past-year marijuana use and perceived risk of regular use, 2002-2013, by race/ethnicity

The interactive effects of race, community support, and neighborhood environment in predicting adolescent marijuana use trajectories
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Racial discrimination and risk taking propensity among African American young adults
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Interpersonal predictors of short-term treatment outcomes among African-American women in MMT
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Does perceived racial discrimination and degree of ethnic identity predict changes in substance use over time? An examination of Black emerging adults
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EPIDEMIOLOGY

Perceived harmfulness of marijuana and risk for adolescent use: Individual and collective beliefs
A. L. Sarvet¹, M. Wall¹, K. Keyes¹, M. Cerda², J. Schulenberg³, D. Hasin¹, Columbia University, New York, NY, ²University of California, Davis, CA, ³University of Michigan, Ann Arbor, MI
73 Age differences in adult past-year marijuana use and risk perceptions in the U.S., 2002-2013
   P. M. Mauro, D. Shmulewitz, D. Hasin, A. L. Sarvet, R. Rahim-Juwel, Q. Brown, H. Carliner,
   M. Wall, S. S. Martins, Columbia University, New York, NY

74 Male-female differences in cannabis use onset among U.S. adolescents and young adults in the
   21st century
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75 Toward a patient registry for cannabis use: An exploratory study
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   Science University, Portland, OR, 3INCAAS, Lima, Peru, 4Family Medicine, Oregon Health &
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76 Characterizing therapeutic users of cannabis in Ontario, Canada
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77 Is cannabis use associated with an increased risk of onset and persistence of alcohol use
   disorders? A three-year prospective study among adults in the United States
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   Flushing, NY, 2Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, NY,
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78 Using MyChart® to assess patient attitudes toward cannabis use
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79 Monetary payment for research participation: What do marijuana users think?
   K. Vaddiparti, C. W. Striley, E. Kwiatkowski, L. Cottler, Epidemiology, University of Florida,
   Gainesville, FL

80 Cannabis use data collected via social media: A methodological comparison
   J. Borodovsky, D. C. Lee, B. S. Crosier, A. J. Budney, Geisel School of Medicine at
   Dartmouth, Lebanon, NH

81 Physical activity and marijuana use among United States adults: Results from the national
   health and nutrition examination surveys 2007-2012
   D. C. Vidot1, W. Hlaing1, G. Prado1, A. Acheampong2, S. Messiah1, 1University of Miami,
   Miami, FL, 2University of Florida, Gainesville, FL

82 Hypertension medication use among past 30-day marijuana users in a community sample from
   Northeast Florida
   H. R. Crooke, L. Cottler, E. Kwiatkowski, C. W. Striley, Epidemiology, University of Florida,
   Gainesville, FL

83 DSM-5 cannabis use disorders in the United States, 2012-2013
   D. S. Hasin1,2, B. F. Grant1, 1Columbia University, New York, NY, 2New York State
   Psychiatric Institute, New York, NY, 3National Institute on Alcohol Abuse and Alcoholism,
   Rockville, MD
Marijuana use problems predict post-college employment outcomes
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Is risk of cannabis dependence lower for ‘cannabis only’ users?
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Elevated cotinine levels in recently active cannabis users absent recent cigarette or other tobacco exposure: Unmeasured blunt or environmental sources?
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Perceived nicotine content and its association with perceived disease risks of Spectrum research cigarettes
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Has nicotine dependence increased among smokers in the United States? A new test of the hardening hypothesis
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Some context for understanding the place of the GED in the relationship between educational attainment and smoking prevalence
A. N. Kurti2,1, E. Klemperer1,2,3, I. A. Zvorsky1,2,3, R. Redner1,2, J. Priest5,2, S. Higgins1,2,3, 1Vermont Center on Behavior and Health, Burlington, VT, 2Psychiatry, University of Vermont, South Burlington, VT, 3Psychological Science, University of Vermont, Burlington, VT, 5Biostatistics, University of Vermont, Burlington, VT

Energy drink use trajectories predict substance use outcomes
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The transition to recovery: Key predictors and how they relate to aging
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Life chaos among drug users and non-drug users
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Executive functioning and DSM-5 criteria for substance use disorder among addicted inpatients
D. R. Lima, P. D. Goncalves, M. Ometto, A. Malbergier, R. Amaral, S. Nicastrri, A. Andrade, P. J. Cunha, Interdisciplinary Group of Studies on Alcohol and Drugs, Institute of Psychiatry, São Paulo, Brazil

Does perceived availability of marijuana explain changes in marijuana use after medical marijuana law implementation among U.S. adults?
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Medical marijuana dispensaries in Los Angeles: Access and service among young adults
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Attitudes and practices of cannabis dispensary staff
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Nonmedical use of prescription opioids and medical marijuana laws in the U.S. from 2004-2013

Smoking cessation assistance pre- and post-implementation of stage 1 meaningful use
S. R. Bailey2, M. J. Hoopes3, J. Puro3, J. E. DeVoe3, T. Burdick4, D. J. Cohen1, J. Heintzman2, M. Marino2, J. Irvine3, D. McCarty1, S. P. Fortmann5, 1CB 669 PHPM, Oregon Health & Science Univ, Portland, OR, 2Family Medicine, Oregon Health & Science University, Portland, OR, 3Research, OCHIN, Portland, OR, 4Family Medicine, OHSU, Portland, OR, 5Center for Health Research, Kaiser Permanente Northwest, Portland, OR

Impact of recovery interventions on opioid users. A simulation study
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Benzodiazepine dependence among young adults in the club scene: Data from a second cohort
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Potential opioid misuse in the social security healthcare system of Peru
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Impact of the opioid safety initiative on opioid prescribing practices in the Veterans Healthcare Administration
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Naloxone access laws and implementation of overdose prevention programs at Veteran Affairs hospitals
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104 State-level opioid antagonist access laws: The emergence of three distinct strategies, 2001–2015

105 Naloxone uptake and use among people who inject drugs in the Seattle area, 2009-2015
S. N. Glick1, J. Tsui1, M. Hanrahan2, C. J. Banta-Green1, H. Thiede2, 1University of Washington, Seattle, WA, 2Public Health-Seattle & King County, Seattle, WA

106 Change in abuse diagnoses in patients prescribed oxycontin after its reformulation with abuse-deterrent properties
A. Kadakia2, P. Coplan1, R. Singh2, A. DeVebaugh-Geiss1, 1Risk Management and Epidemiology, Purdue Pharma, Stamford, CT, 2Purdue, Stamford, CT

107 Diversion of controlled substances at the pharmacy level: Findings from RxPATROL since introduction of opioids with abuse-deterrent properties
J. G. Erensen, J. D. Haddox, L. N. Bauza, Purdue Pharma L.P., Stamford, CT

108 Drug users’ advice on enrollment and retention in health research
A. Zulich, A. Elliott, C. W. Striley, L. Cottler, Epidemiology, University of Florida, Gainesville, FL

109 Drug users and non-drug users both favor uncommon informed consent practices
A. Elliott, A. Zulich, L. Cottler, C. W. Striley, Epidemiology, University of Florida, Gainesville, FL

110 Increased drug use and the timing of social assistance receipt among people who use illicit drugs

111 Meta-analysis as a form of evidence: An examination of the Cochrane reviews for behavioral health
S. Magura, M. J. Lee, S. Means, Western Michigan University, Kalamazoo, MI

112 A summary of addiction services in a Canadian city: Preliminary results from an Internet-based scoping study
E. Knight, St. Paul’s Hospital Goldcorp Addiction Medicine Fellowship, BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada

113 Using residential in-patient detoxification units to facilitate effectiveness of therapeutic community rehabilitation: A comparative follow-up pilot study
S. Rabinovitz, School of Criminology, University of Haifa, Haifa, Israel
Marian W. Fischman Memorial Award Lecture  

Presentation of the Marian W. Fishman Award to Marilyn Huestis

Introduction by Jack Hemmingfield

Lecture: The Great US Cannabis Experiment: Research & Education  
To Enable Informed Public Decisions
Marilyn Huestis

Symposium V

INTRACELLULAR SIGNALING MOLECULES AS TARGETS FOR STIMULANT ABUSE TREATMENT

Chairs: Margaret Gnegy and John Traynor

3:30  *A tonic-phasic model explains the effect of deltaFosB on addiction-related behaviors*
  Thomas Green, University of Texas Medical Branch, Galveston, TX
3:54  *RG S2 signaling and implication for drug addiction*
  Rong Chen, Wake Forest School of Medicine, Winston Salem, SC
4:18  *Trace amine-associated receptor 1 as a target for stimulant abuse treatment*
  Jun-Xu Li, University at Buffalo, New York, NY
4:42  *PKC beta as a target for amphetamine abuse*
  Margaret Gnegy, University of Michigan School of Medicine, Ann Arbor, MI
5:06  **DISCUSSANT:**
  John Traynor, University of Michigan Medical School, Ann Arbor, MI

Symposium VI

IS TWO BETTER THAN ONE? NEW INSIGHTS ON POLYSUBSTANCE USE FROM EPIDEMIOLOGICAL, CLINICAL, AND BASIC RESEARCH

Chairs: Heather Kimmel and Paul W. Czoty

3:30  *Epidemiology of polysubstance use in the United States: Findings from national cross-sectional and longitudinal studies*
  Sean McCabe, University of Michigan, Ann Arbor, MI
3:54  *Early adolescent polysubstance use and young adult substance use disorders*
  Howard Moss, University of California at Riverside School of Medicine, La Jolla, CA
4:18  *Polysubstance users versus alcohol users: Do different cognitive and neurobiological deficits ask for different treatment?*
  Dieter Meyerhoff, School of Medicine UCSF, San Francisco, CA
4:42  *The toxic effects of serial exposure to alcohol and methamphetamine*
  Bryan K Yamamoto, Indiana University School of Medicine, Indianapolis, IN
5:06  **DISCUSSANT:**  
  Paul W. Czoty, Wake Forest School of Medicine, Winston-Salem, NC
Oral Communications 5  

STUDIO 54: CLUB DRUGS  

Chairs: Leonard Howell and Matthew W. Johnson

3:30  **Ketamine-induced changes in resting state functional connectivity in conscious nonhuman primates: Implications for drug abuse**  
E. A. Maltbie¹, K. Gopinath², L. Howell¹, ¹Yerkes National Primate Research Center, Emory University, Atlanta, GA, ²Department of Radiology and Imaging Sciences, Emory University, Atlanta, GA

3:45  **Juvenile ketamine exposure alters sensitivity to reward-related stimuli in adulthood**  
S. D. Iniguez¹,², L. M. Riggs³, A. R. Zavala¹, ¹Psychology, University of Texas at El Paso, El Paso, TX, ³Psychology, California State University, San Bernardino, San Bernardino, CA

4:00  **Alterations in brain neurotransmitter levels after single and repeated inhalation of toluene in rats**  
A. A. Elkoussi, Pharmacology, Assiut College of Medicine, Assiut, Egypt

4:15  **MDMA increases affiliative behaviors and vocalizations in nonhuman primates in a 5-HT₂A receptor-dependent manner**  
E. G. Pitts, A. R. Minerva, E. B. Oliver, L. Howell, Yerkes National Primate Research Center, Emory University, Atlanta, GA

4:30  **S-Mephedrone: Preclinical investigation against behavioral effects of the synthetic cathinone MDPV**  
H. Philogene¹, S. Rawls¹, A. Reitz², ¹Center for Substance Abuse Research, Lewis Katz School of Medicine at Temple University, Philadelphia, PA, ²Fox Chase Chemical Diversity Center, Doylestown, PA

4:45  **3,4-Methylenedioxyn-N-ethylcathinone and its analogs differentially affect dopamine and 5-HT systems in rat brain**  
H. M. Walters¹, O. Dillon-Carter¹, J. S. Partilla¹, F. Saklooth², R. A. Glennon², C. W. Schindler³, M. H. Baumann¹, ¹Designer Drug Research Unit, IRP, NIDA, NIH, Baltimore, MD, ²Department of Medicinal Chemistry, VCU School of Pharmacy, Richmond, VA, ³Preclinical Pharmacology Section, IRP, NIDA, NIH, Baltimore, MD

5:00  **Pharmacological mechanisms underlying cardiovascular effects of 3,4-methylenedioxyxpyrovalerone**  
C. W. Schindler¹, E. Thorndike¹, M. Suzuki¹, K. Rice⁴, M. Baumann⁵, ¹Preclinical Pharmacology Section, NIH/NIDA Intramural Research, Baltimore, MD, ⁴Drug Design and Synthesis Section, NIH/NIDA Intramural Reserach, Baltimore, MD, ⁵Designer Drug Unit, NIH/NIDA Intramural Reserach, Baltimore, MD

5:15  **Commuting distance to Miami’s club scene and binge substance use and related problems among young adults**  
M. E. Buttram¹, M. Pagano², S. P. Kurtz¹, ¹Center for Applied Research on Substance Use and Health Disparities, Nova Southeastern University, Miami, FL, ²Department of Psychiatry, Division of Child Psychiatry, Case Western Reserve University, Cleveland, OH
Oral Communications 6

A STREET CAR NAMED DESIRE: REWARD/REINFORCEMENT

Chairs: Adam Leventhal and Sally L. Huskinson

3:30 Caffeine self-administration in rats
C. A. Bradley, E. M. Sanders, E. A. Williams, M. I. Palmatier, Psychology, East Tennessee State University, Johnson City, TN

3:45 Variable availability as a determinant of cocaine choice in rhesus monkeys
S. L. Huskinson¹, K. Freeman¹, N. Petry², J. K. Rowlett¹,³, ¹University of Mississippi Medical Center, Jackson, MS, ²University of Connecticut School of Medicine, Farmington, CT, ³Tulane National Primate Research Center, Covington, LA

4:00 Increasing nicotine cost and decreasing nicotine dose are not equivalent manipulations: A behavioral economics analysis
T. T. Smith², L. E. Rupprecht¹, A. F. Sved¹,², E. Donny², ¹Center for Neuroscience, University of Pittsburgh, Pittsburgh, PA, ²Psychology, University of Pittsburgh, Pittsburgh, PA

4:15 Influence of cocaine cues on monetary choice in cocaine users
J. C. Strickland¹, C. R. Rush¹,²,³, W. W. Stoop¹,²,³, ¹Psychology, University of Kentucky, Lexington, KY, ²Behavioral Science, University of Kentucky, Lexington, KY, ³Psychiatry, University of Kentucky, Lexington, KY

4:30 Physical activity enjoyment predicts sensitivity to the acute subjective effects of amphetamine in healthy volunteers
M. Pester, M. Kirkpatrick, A. Leventhal, Preventive Medicine, University of Southern California, Los Angeles, CA

4:45 Neural responses to risk and reward predict transition to problem stimulant use
J. L. Stewart²,³, A. C. May¹, M. Reske⁴, S. Tapert¹,⁵, M. P. Paulus⁶,¹, ¹Psychiatry, UC San Diego, La Jolla, CA, ²Psychology, CUNY Graduate Center, New York, NY, ³Psychology, CUNY Queens College, Flushing, NY, ⁴Institute of Neuroscience and Medicine-4, Medical Imaging Physics, Forschungszentrum Jülich GmbH, Jülich, Germany, ⁵Psychiatry Service, Veterans Affairs San Diego Healthcare System, San Diego, CA, ⁶Laureate Institute of Brain Research, Tulsa, OK

5:00 Activity based reward processing among opiate users: Validation of the behavioral incentive delay task
R. P. Bell, J. Y. Yi, Y. Chen, A. Petruzzella, I. Jiang, K. A. Johnson, E. D. Reese, S. B. Daughters, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill, Chapel Hill, NC

5:15 Differences in delay discounting between heroin and prescription opioid users
S. L. Karakula¹, M. L. Griffin², R. Weiss², K. McHugh², ¹McLean Hospital, Belmont, MA, ²McLean Hospital/Harvard Medical School, Belmont, MA
Monday, June 13, 2016

Pre- and Post Doctoral Trainees Networking Event

Workshop VI

22ND ANNUAL CONTINGENCY MANAGEMENT WORKING GROUP

Chairs: Diann Gaalema and Kelly E. Dunn

Workshop VII

INTRODUCING THE NATIONAL DRUG EARLY WARNING SYSTEM (NDEWS)

Chairs: Eric Wish and Moira O’Brien

Building a national drug early warning system: Introducing the NDEWS model and new drug use trends and patterns from 12 sentinel community sites
Erin Artigiani, University of Maryland, Center for Substance Abuse Research (CESAR), College Park, MD

Emerging patterns and trends in the use of heroin, prescription opioids, and other drugs in San Francisco
Phillip Coffin, San Francisco Department of Public Health, San Francisco, CA

Screening and reporting synthetic cannabinoid use in an urban emergency department
J Richardson, University of Maryland, African-American Studies Department, College Park, MD

Analyzing drug trends on social media
Jennifer Golbeck, University of Maryland, College of Information Studies, College Park, MD

Discussant: NIDA’s new epidemiology
Linda Cottler, University of Florida, Department of Epidemiology, Gainesville, FL

Workshop VIII

A GENDER LENS TO ADDRESSING ADOLESCENT SUBSTANCE USE DISORDERS AND TRAUMA WITH SYSTEMS LEVEL APPROACH / SASATE BUSINESS MEETING

Chairs: Michael L. Dennis and Sally Stevens

Substance use disorders and trauma symptoms in national data from adolescents entering substance abuse treatment by sex and sexual identity
Michael L Dennis, Chestnut Health Systems, Normal, IL

The impact of a system of care approach in treating substance use disorders among adolescent girls
Sally Stevens, University of Arizona – Southwest Institute for Research on Women, Tucson, AZ
Outcomes of a trauma responsive system of care for LGBT youth
Claudia Powell, University of Arizona – Southwest Institute for Research on Women, Tucson, AZ

Empowering female adolescent drug users in Cape Town: A government response
Felicia Browne, RTI International, Durham, NC

Workshop IX
Fiesta 6/8
7:00 - 9:00 PM

MARIJUANA LAWS: THE CHANGING LEGAL LANDSCAPE AND ITS CONSEQUENCES

Chairs: Marsha Lopez and Wilson Compton

Do patterns of medical marijuana use correspond to overall health levels?
Bridget Freisthler, Luskin School of Public Affairs, University of California, Los Angeles, CA

Tracking emerging cannabis use trends with social media
Raminta Daniulaityte, Boonshoft School of Medicine, Wright State University, Kettering, OH

Adolescent marijuana-related attitudes and behaviors in the context of non-medical marijuana legalization in Washington State: Implications for prevention
Walter Mason, Boys Town National Research Institute for Child and Family Studies, Boys Town, NE

Public health effects of medical marijuana legalization in Colorado
Karen F Corsi, Univ. of Colorado School of Medicine, Denver, CO

DISCUSSANT:
Andrew Freedman, Governor’s Office of Marijuana Coordination, Denver, CO
2016 NIDA International Forum Abstracts

Basic Science

100  The impact of lifestyle on mental health in the Gilgel Gibe Field Research Center, Ethiopia: Khat abuse as a risk factor for the development of psychotic symptoms
K. Adorjan¹, M. Tesfaye², M. Widmann³, F. Tessema⁴, M. Odenwald³, S. Toennes⁵, S. Papiol¹, E. Susser⁶, M. Soboka², Z. Mekonnen⁷, M. Rietschel⁸, S. Suleman⁷, T.G. Schulze¹.
¹Institute of Psychiatric Phenomics and Genomics, Germany; ²Department of Psychiatry, Jimma University, Ethiopia; ³Department of Psychology, University of Konstanz, Germany; ⁴Department of Epidemiology, Jimma University, Ethiopia; ⁵Toxicology, University of Frankfurt, Germany; ⁶Department of Epidemiology, Columbia University, United States; ⁷Drug Laboratory, Jimma University, Ethiopia; ⁸Department of Genetic Epidemiology in Psychiatry, Germany

101  Haemodynamic responses to tobacco smoke inhalation in male adolescents in Lusaka, Zambia
T. Chikopela¹, F.M. Goma². ¹Lusaka Apex Medical University, Zambia; ²School of Medicine, The University of Zambia, Zambia

102  Alterations in brain neurotransmitter levels after single and repeated inhalation of toluene in rats
A. Elkoussi, Department of Pharmacology, College of Medicine, University of Assiut, Egypt

103  Cognitive dysfunction and altered cerebral functional connectivity in chronic ketamine users
C. Hung¹,²,³, C-S.R. Li⁴,⁵, S. Zhang⁴, S. Hu⁴, J.R. Duann⁶, T. S-H. Lee⁷. ¹Bali Psychiatric Center, Ministry of Health and Welfare, Taiwan; ²Institute of Brain Science, National Yang-Ming University, Taiwan; ³Brain Connectivity Laboratory, Institute of Neuroscience, National Yang-Ming University, Taiwan; ⁴Department of Psychiatry, Yale School of Medicine, United States; ⁵Department of Neuroscience, Yale School of Medicine, United States; ⁶Biomedical Engineering Research and Development Center, China Medical University, China; ⁷Department of Health Promotion and Education, National Taiwan Normal University, Taiwan

104  Attenuation of morphine withdrawal by kappa agonist nalbuphine: Involvement of adenosine 3':5'-cyclic monophosphate system
R. Jain¹, R. Raghav¹, T.S. Roy², A. Dhawan¹, P. Kumar¹. ¹Department of Psychiatry, National Drug Dependence Treatment Centre, India; ²Department of Anatomy, All India Institute of Medical Sciences, India

105  The effects of recreational marijuana and ecstasy use on brain activation during visual-motor associative learning
A. Kustubayeva¹,², B. Lewis¹, M. Smith¹, M. Smith¹, J. Eliassen¹. ¹University of Cincinnati, United States; ²Kazakh National University, Kazakhstan

106  Effects of short periods of maternal separation on social behavior and drug reward on the adolescent rat
A. Magalhães¹,², M. Nogueira³, J. Bravo¹, C.J. Alves¹, A. Mesquita³, T. Summavielle¹, L. De Sousa². ¹Instituto de Investigação e Inovação em Saúde, Portugal; ²Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto, Portugal; ³Centro de investigação em Psicologia, Universidade do Minho, Portugal
Survival meta-analysis of age at onset of cannabis use based on the International Cannabis Consortium sample of 24,222 individuals
C.C. Minica¹, K.J.H. Verweij¹, P. van der Moost², H. Mbarek¹, International Cannabis Consortium, D.I. Boomsma¹, J.M. Vink³, N.A. Gillespie⁴, E.M. Derks⁵. ¹Department of Biological Psychology, Vrije Universiteit Amsterdam, The Netherlands; ²Department of Epidemiology, University of Groningen, University Medical Center, The Netherlands; ³Behavioural Science Institute, Radboud University, The Netherlands; ⁴Department of Psychiatry, Virginia Institute for Psychiatric and Behavior Genetics, Virginia Commonwealth University, United States; ⁵Department of Psychiatry, Academic Medical Centre, The Netherlands

Reduced insula and prefrontal cortex volumes in chronic methamphetamine users with psychosis
C. Qi, Y.H. Liao, Q.X. Wu, T.Q. Liu, W. Hao. Mental Health Institute, The Second Xiangya Hospital, Central South University, China

Effect of nalbuphine on opiate withdrawal and changes in dopaminergic and serotoninergic expressions in rat brain
R. Raghav¹, R. Jain¹, T.S. Roy², A. Dhawan¹, P. Kumar². ¹National Drug Dependence Treatment Centre, All India Institute of Medical Sciences, India; ²Department of Anatomy, All India Institute of Medical Sciences, India

Abused drugs regulate dopamine release in the striatum throughout presynaptic nicotinic receptors
F.R. Rizzo, M. Federici, N.B. Mercuri. IRCCS Fondazione Santa Lucia and Università Tor Vergata, Italy

No association between crack cocaine addiction and COMT Val/Met polymorphism
T. Roman¹,², A.R. Stolf¹, J.B. Schuch¹,², D. Müller¹,², G.C. Akutagava-Martins¹,², C.M. Szobot³,⁴, F. Pechansky¹, F.H.P. Kessler³. ¹Post Graduate Program in Genetics and Molecular Biology, Federal University of Rio Grande do Sul (UFRGS), Brazil; ²Department of Genetics, UFRGS, Brazil; ³Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre (HCPA), UFRGS, Brazil; ⁴Child and Adolescent Psychiatric Service, HCPA, UFRGS, Brazil

Accumbens volumes are reduced among crack cocaine users
S.B. Schuch-Goi¹, P.D. Goi², R. Massuda², M. Bermudez¹, L.S. Fara¹, F.P. Kessler¹, L. von Diemen¹, C.S. Gama², F. Pechansky¹. ¹Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre (HCPA), Universidade Federal do Rio Grande do Sul (UFRGS); ²Laboratory of Molecular Psychiatry, HCPA, UFRGS, Brazil

Role of the dopaminergic system on crack cocaine addiction: DRD2 and DRD4 genes, individual and interaction effects
A.R. Stolf¹, J.B. Schuch²,³, D. Müller²,³, G.C. Akutagava-Martins²,³, C.M. Szobot⁴, F. Pechansky¹, F.H.P. Kessler¹, T. Roman²,³. ¹Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre (HCPA), Federal University of Rio Grande do Sul (UFRGS), Brazil; ²Post Graduate Program in Genetics and Molecular Biology, UFRGS, Brazil; ³Department of Genetics, UFRGS, Brazil; ⁴Child and Adolescent Psychiatric Service, HCPA, UFRGS, Brazil
114 **TAAR1 modulates context-dependent Pavlovian conditioning to amphetamine**
I.M. Sukhanov1,2, L. Caffino3, E.V. Efimova4,5, S. Espinoza2, T.D. Sotnikova2,5, L. Cervo6, F. Fumagalli3, R.R. Gainetdinov2,4,5, E.E. Zvartau1. 1First Pavlov State Medical University, Russia; 2Department of Neuroscience and Brain Technologies, Istituto Italiano di Tecnologia, Italy; 3Dipartimento di Scienze Farmacologiche e Biomolecolari, Università degli Studi di Milano, Italy; 4Skolkovo Institute of Science and Technology, Russia; 5Institute of Translational Biomedicine, Faculty of Biology, St. Petersburg State University, Russia; 6IRCCS–Istituto di Ricerche Farmacologiche Mario Negri, Experimental Psychopharmacology, Italy.

115 **TBARS and BDNF changes in newborns exposed to crack cocaine during pregnancy—a comparative study**
C. Szobot1,2,3, L.A. Rohde1,2,4,5, K.M. Mendes Ceresér2,6, C. de Moura Gubert6, E. Galvão da Silva6, F. Xavier7, R. Porcianello2, L.M. Röhsig8, F. Pechansky2,3,8, V. Mardini1. 1Child and Adolescent Psychiatry Service, Hospital de Clínicas de Porto Alegre (HCPA), Universidade Federal do Rio Grande do Sul (UFRGS), Brazil; 2Graduate Program in Medicine–Psychiatry, UFRGS, Brazil; 3Center for Drug and Alcohol Research, HCPA, UFRGS, Brazil; 4Instituto Nacional de Psiquiatria do Desenvolvimento, Brazil; 5Department of Psychiatry, UFRGS, Brazil; 6Laboratory of Molecular Psychiatry and Instituto Nacional de Ciência e Tecnologia Translacional em Medicina, HCPA, UFRGS, Brazil; 7Undergraduate Program in Bimedical Sciences, Centro Universitário Metodista–IPA, Brazil; 8Cord Blood Bank and Cryobiology Unit, HCPA, UFRGS, Brazil.

116 **Case control association β-arrestin 2 gene (ARRB2) with opioid and cocaine dependence**
M. Vaswani1,2, L. Ambrose1, T. Clarke1, W. Berrettini1. 1University of Pennsylvania, United States; 2All India Institute of Medical Sciences, India

117 **Evaluation of oxidative stress markers among adolescent inhalant users seeking treatment at a tertiary care center in North India**
A. Verma1, R. Jain1, A. Dhawan1, R. Lakshmy2. 1National Drug Dependence Treatment Centre, All India Institute of Medical Sciences, India; 2Department of Cardiac Biochemistry, All India Institute of Medical Sciences, India

118 **Pharmacological characterization of the opioid inactive isomers (+)-naltrexone and (+)-naloxone as toll-like receptor 4 antagonists**
X. Wang. Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China

**Epidemiology**

200 **Nonproblematic and problematic Internet use among undergraduate students of medical colleges in Zagazig, Egypt**
M. Abdelghani1,2, G.S. El-Deen1. 1Department of Psychiatry, Zagazig University, Egypt; 2Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States

201 **Cannabis use among road transport workers: The roles of life orientation and resilience**
G.E. Abikoye1,2, E.B. Edet1. 1Department of Psychology, University of Uyo, Nigeria; 2Center for Research and Information on Substance Abuse, Nigeria

202 **Reasons for the change in drug use patterns toward psychoactive drugs in Gaza Strip and the level of satisfaction**
M. AlAfifi1, M. Sakka2, R. Affifi1. 1Substance Abuse Research Center, Palestine; 2Al-Azhar University, Palestine
203 Perceived community-level violence and prevalence of sexually transmitted infections among Mexican female sex workers who inject drugs
N.A. Alamillo, S.M. Kiene, G. Rangel, G. Martinez, A. Vera, S. Manian, S.A. Strathdee. 1Joint Doctoral Program in Public Health, San Diego State University/University of California, San Diego, United States; 2Division of Epidemiology and Biostatistics, Graduate School of Public Health, San Diego State University, United States; 3El Colegio de la Frontera del Norte, Mexico; 4Community Health and Development of Ciudad Juarez and the Mexican Federation of Private Associations, Mexico; 5Division of Global Health, University of California, San Diego (UCSD), United States; 6Department of Economics, UCSD, United States

204 Introducing a new research method for evaluating alcohol and other drug use among fatally injured victims in Latin America
G. Andreuccetti, V. Leyton, I.D. Miziara, N.P. Lemos, D.R. Munoz, C.J. Cherpitel, H.B. Carvalho. 1University of São Paulo Medical School, Brazil; 2Alcohol Research Group, United States; 3Technical-Scientific Police Superintendency of the State of São Paulo, Brazil; 4Office of Chief Medical Examiner-San Francisco, United States

205 Examining the impact of the government’s attempt to regulate the novel psychoactive substance market
M. Beltgens. Department of Criminology, University of Leicester, United Kingdom

206 Understanding the increase in prescription opioids in Peru: Protocol for an exploration of practitioner knowledge
J. Beltran, K. Hoffman, J. Ponce-Terashima, F. Fiestas, D. McCarty, V. Dongo. 1Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States; 2International Center for Advanced Research and Applied Science, Peru; 3Oregon Health & Science University, United States; 4George Washington University, United States; 5Peruvian Social Security System, Peru

207 Composition of party drugs in Belgium: Not what you might expect
P. Blanckaert, K. Maudens, E. Deconinck, P. Calle. 1Belgian Early Warning System Drugs, Scientific Institute of Public Health, Belgium; 2Toxicological Centre, University of Antwerp, Belgium; 3Section of Medicines, Scientific Institute of Public Health, Belgium; 4Department of Internal Medicine, Ghent University, Belgium

208 Challenges and limitations in the implementation of research findings: The case of the “largest open drug scene” in Israel
H. Bonny-Noach, S. Toys. 1Department of Criminology, Ariel University and Beit Berl College, Israel; 2Prevention and Education Division, Israel Anti-Drug Authority, Israel; 3Israeli Society of Addiction Medicine, Israel

209 Incarceration patterns and risk of HIV infection among people who inject drugs in Tijuana, Mexico
A. Borquez, D. Abramovitz, G. Rangel, L. Beletsky, N. Martin, S. Strathdee. 1Division of Global Public Health, University of California, San Diego, United States; 2Comisión de Salud Fronteriza, Mexican Ministry of Health, Mexico

210 The prevalence of adult attention deficit/hyperactivity disorder among treatment-seeking problem gamblers
L. Brandt, G. Fischer. 1Center for Public Health, Medical University of Vienna, Austria; 2Department of Psychiatry and Psychotherapy, Medical University of Vienna, Austria
211 Drug consumption, knowledge of the consequences of consumption, and the relationship with academic performance among undergraduate students in St. Joseph, Trinidad
N. Brathwaite. Department of Research and Graduate Studies, University of the Southern Caribbean, Trinidad and Tobago

212 Development and validation of a scale for amotivational syndrome in chronic cannabis users
G.A. Cañita Pérez1, E. Becoña Iglesias2, S.M. Restrepo Escobar3, O.S. Diaz-Granados4, L.A. Rojas-Bernal1. 1Mental Health Research Group, CES University, Colombia; 2University of Santiago de Compostela, Spain; 3FUNLAM University, Colombia; 4Drug Abuse Project, the Ministry of Health and Social Protection, Colombia

213 HIV, overdose mortality, and the impact of antiretroviral therapy
A. Caudarella1, K. Hayashi1, H. Dong1, M.J. Milloy1,2, T. Kerr1,2, E. Wood1,2. 1British Columbia Centre for Excellence in HIV/AIDS, St. Paul’s Hospital, Canada; 2Department of Medicine, University of British Columbia, Canada

214 Gender and the role of alcohol on HIV risk behavior among drug users in Costa Rica
M. Chacón-Ortiz1, R. Achi1, M. Comerford2, K. Barrantes1, C. McCoy2. 1Instituto de Investigaciones en Salud, Universidad de Costa Rica, Costa Rica; 2Comprehensive Drug Research Center, University of Miami, United States

215 Chronic pain not associated with occupational status among a predominantly dextropropoxyphene-abusing population: Cross-sectional study from Sikkim, North East India
A. Chakrabarti1, D. Datta2, S. Pandey2, Y. Verma3, S. Dutta4. 1Regional Occupational Health Centre-Eastern, National Institute of Occupational Health, Indian Council of Medical Research, India; 2Department of Pharmacology, Sikkim Manipal Institute of Medical Sciences (SMIMS), India; 3Department of Pathology, SMIMS, India; 4Department of Psychiatry, SMIMS, India

216 High prevalence of major depression among treatment-seeking ketamine-dependent patients
L.-Y. Chen1, X. Ke2, C.-K. Chen3, M.-C. Huang1,4. 1Department of Psychiatry, Taipei City Hospital and Psychiatric Center, Taiwan; 2Department of Psychiatry, Yale School of Medicine, United States; 3Department of Psychiatry, Chang Gung Memorial Hospital, Taiwan; 4Department of Psychiatry, School of Medicine, Taipei Medical University, Taiwan

217 Substance abuse and HIV risks among the youth of urban Nepal
M.B.P. Chhetri. Nepal Center for Disaster Management, Nepal

218 Patients in mental health crisis admitted to hospital and use of combined drugs
J. Da Silvaj, E. Ferreira2. 1Anna Nery School of Nursing, Federal University of Rio de Janeiro, Brazil; 2Institute of Psychiatry, Federal University of Rio de Janeiro, Brazil

219 Drug use in relation to tobacco and alcohol use in Iraqi men
R.M. Dabbagh1, N.J. Al-Hemiary2, J.J. Al-Diwan3, A.L. Hasson4, R.R. Rawson4. 1Department of Epidemiology, Fielding School of Public Health, University of California, Los Angeles (UCLA), United States; 2Unit of Psychiatry, Department of Medicine, College of Medicine, Baghdad University, Iraq; 3Unit of Mental Health, Department of Community Medicine, College of Medicine, Baghdad University, Iraq; 4Integrated Substance Abuse Programs, Semel Institute for Neuroscience and Human Behavior, UCLA, United States
220 Attitudes toward people with problematic drug use in the city of Loja, Ecuador
1National Council for Control of Narcotic and Psychotropic Substances, Ecuador; 2Center for
Addiction and Mental Health, University of Toronto, Canada; 3Office of Research and
Surveillance, Controlled Substance and Tobacco Directorate, Health Canada, Canada; 4Inter-
American Drug Abuse Control Commission, Organization of American States, United States

221 Impact of harm reduction and medically assisted treatment on HIV incidence among people
who inject drugs in Ukraine: Results of a prospective cohort study
K. Dumchev1, M. Samko2, J. Barska2. 1Ukrainian Institute on Public Health Policy, Ukraine;
2Alliance for Public Health, Ukraine

222 Is khat use disorder a valid diagnostic entity?
S. Duresso, A. Matthews, S. Ferguson, R. Bruno. School of Medicine, University of
Tasmania, Australia

223 A national survey of U.S. primary care physicians’ knowledge and practices regarding e-
cigarettes
O. El-Shahawy1, J.E. Lafata2, S. Sherman1. 1Section on Tobacco, Alcohol, and Drug Use,
Department of Population Health, School of Medicine, New York University, United States;
2Department of Health Behavior and Policy, School of Medicine, Virginia Commonwealth
University, United States

224 Family-related factors and concurrent heroin use in methadone maintenance treatment: Report
from China
N. Feng1, C. Lin1, K. Rou2, L. Li1. 1Semel Institute for Neuroscience and Human Behavior,
University of California, Los Angeles, United States; 2National Center for AIDS/STD
Control and Prevention, Chinese Center for Disease Control and Prevention, China

225 Patterns of prescription drug use and misuse in Spain: The European Opioid Treatment Patient
Survey
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S. Nielsen\(^1\,^2\), N. Menon\(^1\), S. Larney\(^1\), M. Farrell\(^1\), L. Degenhardt\(^1\). \(^1\)National Drug and Alcohol Research Centre, University of New South Wales, Australia; \(^2\)South Eastern Sydney Local Health District Drug and Alcohol Services, Australia

430  **Policing, massive street drug testing, and polysubstance use chaos in Georgia: A policy case study**  
D. Otiashvili\(^1\), M. Tabatadze\(^1,^2\), N. Balanchivadze\(^3\), I. Kirtadze\(^1,^2\). \(^1\)Addiction Research Centre–Alternative Georgia, Georgia; \(^2\)Business School, Ilia State University, Georgia; \(^3\)National Centre for Commercial Law, Free University, Georgia

431  **Personality profile of adolescents with substance use disorders**  
R. Racheva. Department of Psychology, Bulgarian Academy of Sciences, Bulgaria

432  **Risk and protective factors for recreational and hard drug use among adolescents and emerging adults in Malaysia**  
M. Razali\(^1\), W. Kliwer\(^2\). \(^1\)Sultan Idris Education University, Malaysia; \(^2\)Virginia Commonwealth University, United States

433  **Quit Using Drugs Intervention Trial: A brief intervention for risky drug use among federally qualified health centers in East Los Angeles**  
M. Rico\(^1\), L. Gelberg\(^1\), R.M. Andersen\(^1\), M. Vahidi\(^1\), S. Baumeister\(^2\), B. Leake\(^1\). \(^1\)Department of Family Medicine, University of California, Los Angeles, United States; \(^2\)University of Regensburg, Germany

434  **Evaluation of CHOICE-8 effect on girls and boys, who took part in the substance abuse prevention program**  
V. Ryabukha. Prevention Center “Choice,” Ukraine

435  **Family members affected by a relative’s substance misuse looking for social support: Who are they?**  
H.M.T. Sakiyama\(^1,^2\), M. de Fatima Rato Padin\(^1,^2\), M. Canfield\(^3\), R. Laranjeira\(^1,^2\), S.S. Mitsuhiro\(^1,^2\). \(^1\)National Institute of Public Policy for Alcohol and Other Drugs, Brazil; \(^2\)Federal University of São Paulo, Brazil; \(^3\)University of Roehampton, United Kingdom

436  **Substance use among female sex workers in two U.S.–Mexico border cities: Associations with age of entry**  
M. Salazar, K. Brouwer, S. Boyce, J. Silverman. Division of Global Public Health, University of California, San Diego, United States

437  **HIV trends among people who inject drugs in the biggest cities of Ukraine**  
I. Sazonova, Y. Novak, T. Saluiik. ICF Alliance for Public Health, Ukraine

438  **Motherhood, substance abuse, and HIV risk among sex workers in the U.S.–Mexico border region: Implications for interventions**  
A.E. Servin-Aguirre\(^1,^2\), E. Reed\(^2\), J.G. Silverman\(^2\), C. Magis-Rodriguez\(^3\), S. Boyce\(^2\), S.A. Strathdee\(^2\), K.C. Brouwer\(^2\). \(^1\)School of Medicine, Universidad Xochicalco, Campus Tijuana, Mexico; \(^2\)Division of Global Public Health, School of Medicine, University of California, San Diego, United States; \(^3\)Centro Nacional para la Prevención y el Control del VIH/SIDA, Mexico
A critical analysis of the falling age of initiation among adolescent injecting drug users and the programmatic response in Manipur, India
K. Shimray¹, P. Batsen². ¹National Health Mission, India; ²Royal Tropical Institute (KIT), The Netherlands

Cigarette gifting between Chinese smokers and nonsmokers
J. Tang¹,², Y. Liao¹,². ¹Mental Health Institute, the Second Xiangya Hospital of Central South University, China; ²Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, United States

Use of marijuana among former opioid substitution treatment clients in Nepal
S.L. Acharya¹, J. Howard²,³, R. Shrestha⁴, K. Lama⁴, S. Paudel⁵. ¹Master’s Program, Tribhuvan University, Nepal; ²National Cannabis Prevention and Information Centre, University of New South Wales (UNSW), Australia; ³National Drugs and Alcohol Research Centre, UNSW, Australia; ⁴Saarathi Nepal Non-Governmental Organization, Nepal; ⁵HIV and Human Rights Consultant, Nepal

Improvements in general health and methamphetamine use treatment: A study of the efficacy of cognitive-behavioral therapy
Z. Alam-Mehrjerdi¹, P. Clare², N. Ezard³, K. Dolan¹. ¹Program of International Research and Training, Faculty of Public Health and Community Medicine, National Drug and Alcohol Research Centre (NDARC), University of New South Wales (UNSW), Australia; ²Faculty of Public Health and Community Medicine, NDARC, UNSW, Australia; ³Alcohol and Drug Service, St. Vincent’s Hospital, Australia

The creation of a female-friendly women’s drug treatment and rehabilitation center in Pakistan
A. Ashraf. Sunny Trust International, Addiction Treatment and Rehabilitation Center, Pakistan; Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States

Accessibility of harm reduction services at drop-in centers in Burma (Myanmar)

Addiction medicine course for medical residents at the National Institute of Neurology and Neurosurgery in Mexico City
M. Azcarraga. National Institute of Neurology and Neurosurgery, Mexico; Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States

Emerging substance use patterns among children in India
S. Bhattacharjee¹, R. Kumar¹, A. Agrawal², K.E. O’Grady³, H.E. Jones⁴. ¹Society for Promotion of Youth and Masses, India; ²National Drug Dependency Treatment Centre, All India Institute of Medical Sciences, India; ³University of Maryland-College Park, United States; ⁴University of North Carolina, United States

Feasibility and acceptability of a Short Message Service (SMS) smoking cessation program for young adults in Lima: Pilot study results
D. Blitchtein-Winicki¹, K. Zevallos¹, R. Samolski, D. Requena¹, Ch. Velarde¹, M. Ybarra³, J.C. Anthony². ¹Universidad Peruana Cayetano Heredia, Peru; ²Department of Epidemiology, Michigan State University, United States; ³Center for Innovative Public Health Research, United States
The role of genetic polymorphisms on patient response to opioid use disorder therapy with naltrexone and guanfacine
E. Blokhina, E. Krupitsky, A. Kibitov, E. Verbitskaya, V. Brodyansky, V. Palatkin, T. Kosten, D. Nielsen, E. Zvartau. 1First Pavlov State Medical University of St. Petersburg, Russia; 2Bekhterev Research Psychoneurological Institute, Russia; 3Serbsky Federal Medical Research Centre of Psychiatry and Narcology, Russia; 4Baylor College of Medicine, United States

In-house outreach: Strategies to promote and advertise a smoking cessation program in a Mexican university hospital
O. Campollo, O.P. Torres. 1Center of Alcoholism and Addictions, University of Guadalajara, Mexico; 2Molecular Biology Department, Hospital Civil de Guadalajara “Fray Antonio Alcalde,” Mexico

Effects of eye movement desensitization and reprocessing on reducing craving and anxiety: A randomized trial
J. Chen, L. Yang, D. Yan, S. Teng, J. Cao, Y. Zhao, Z. Wang. 1Department of Epidemiology and Health Statistics, School of Public Health, Tongji Medical College, Huazhong University of Science and Technology, China; 2Mental Health Center, Tongji Medical College, Huazhong University of Science and Technology, China

Screening, brief intervention, and referral to treatment implementation in primary care centers in Brazil: Successful initiative beyond drug issues
F. de Conto, R. de Cerqueira Campos. Florianopolis Department of Mental Health and Primary Care, Brazil

Treatment retention and adherence in an integrated treatment program for opiate addiction and HIV in Ho Chi Minh City, Vietnam
C. Denis, D. Metzger, L. Huang, V. Trias, M. Auriacombe, A. Voisin, T. Doan, H. Tran, L. Nguyen, G. Ragun, S. Mai Thi Hoai, G. Le Truong, J-P. Daulouède, C. O’Brien. 1Center for Studies of Addiction, University of Pennsylvania, United States; 2Expertise France, France; 3CNRS USR 3413 SANPsy, University of Bordeaux, France; 4Bizia Addiction Clinic, France; 5HCMC AIDS Committee, Vietnam

Addiction treatment human resources and training needs during Vietnam’s rapid scale-up of methadone treatment
N.B. Diep, N.T. Trang, N.T.M. Tam, P.Q. Loc, S. Larkins, L.M. Giang. 1Hanoi Medical University, Vietnam; 2Vietnam Administration of HIV/AIDS Control, Vietnam; 3University of Los Angeles, California, United States

Time variant dynamic top-down regulation in fronto-amygdalar network during drug cue exposure in heroin dependents
H. Ekhtiari, A.Z. Sadeghi, A. Shahbabaei, M.A. Oghabian. 1Iranian National Center for Addiction Studies, Tehran University of Medical Sciences, Iran; 2Neuroimaging and Analysis Group, Research Center for Molecular and Cellular Imaging, Tehran University of Medical Sciences, Iran; 3Translational Neuroscience Program, Institute for Cognitive Science Studies, Iran
Methylphenidate substitution for methamphetamine addiction and implications for future randomized clinical trials: A case series

R. Gabrhelík\textsuperscript{1}, J. Minařík\textsuperscript{1}, R. Malcolm\textsuperscript{2}, A. Pavlovska\textsuperscript{1}, P. Miller\textsuperscript{2}. \textsuperscript{1}Department of Addictology, First Faculty of Medicine, Charles University in Prague and General University Hospital in Prague, Czech Republic; \textsuperscript{2}Department of Psychiatry and Behavioral Sciences, Addiction Sciences Division, Medical University of South Carolina, United States

Histopathological alterations in liver structures of cocaine-addicted rats fed a nutritionally supplemented rat diet

N. Gardner\textsuperscript{1}, A. Wheatley\textsuperscript{1}, B. Hanchard\textsuperscript{2}, T. Gibson\textsuperscript{2}, W. De La Haye\textsuperscript{3}, K. Luke\textsuperscript{4}, P. Bahadosingh\textsuperscript{5}, L. Dilworth\textsuperscript{2}, A. Salako\textsuperscript{5}, H. Lowe\textsuperscript{6}, H. Asemota\textsuperscript{1,4}. \textsuperscript{1}Biotechnology Centre, University of the West Indies-Mona Campus, Jamaica; \textsuperscript{2}Department of Pathology, University of the West Indies-Mona Campus, Jamaica; \textsuperscript{3}Department of Community Health and Psychiatry, University of the West Indies-Mona Campus, Jamaica; \textsuperscript{4}Department of Basic Medical Sciences, University of the West Indies-Mona Campus, Jamaica; \textsuperscript{5}Awele Foundation International, United States; \textsuperscript{6}Environmental Health Foundation, Jamaica

Informing drug treatment development through science: International standards on the treatment of drug use disorders

G. Gerra\textsuperscript{1}, V. Poznyak\textsuperscript{2}, E. Sáenz\textsuperscript{1}, A. Busse\textsuperscript{1}, N. Clark\textsuperscript{2}. \textsuperscript{1}United Nations Office on Drugs and Crime, Italy; \textsuperscript{2}World Health Organization, Switzerland

Executive functioning and outpatient treatment adherence after intensive inpatient care for cocaine dependence: A 6-month follow-up study

P.D. Gonçalves\textsuperscript{1,2}, M. Ometto\textsuperscript{1}, A. Malbergier\textsuperscript{1}, P.A. Martins\textsuperscript{1}, L. Beraldo\textsuperscript{1}, B. dos Santos\textsuperscript{1}, S. Nicastrì\textsuperscript{1}, A.G. Andrade\textsuperscript{1}, P.J. Cunha\textsuperscript{1}. \textsuperscript{1}Institute of Psychiatry, School of Medicine, University of São Paulo, Brazil; \textsuperscript{2}University of California, San Diego, United States

Assessment of cognitive functions in tramadol-dependent patients: A case control study

S. Hassaan, A. Darwish, H. Khalifa, S. Mostafa. Department of Psychiatry, Assiut University, Egypt

A summary of addiction services in a Canadian city: Results from an Internet-based scoping study

E. Knight. St. Paul’s Hospital Goldcorp Addiction Medicine Fellowship, BC Centre for Excellence in HIV/AIDS, Canada

Pregabalin for opioid detoxification: Interim results

E.M. Krupitsky\textsuperscript{1}, R.D. Ilyuk\textsuperscript{1}, A.D. Mikhailov\textsuperscript{1}, K.A. Kazankov\textsuperscript{2}, K.V. Rybakova\textsuperscript{1}, O.G. Grishina\textsuperscript{1}, I.A. Zaplatkin\textsuperscript{1}, D.D. Langleben\textsuperscript{3}, G. Woody\textsuperscript{3}. \textsuperscript{1}St. Petersburg Bekhterev Psychoneurological Institute, Russia; \textsuperscript{2}Murmansk Regional Addiction Hospital, Russia; \textsuperscript{3}School of Medicine, University of Pennsylvania, United States

Extended-release Naltrexone for discontinuation of opioid maintenance treatment: A randomized prospective study

N. Kunøe\textsuperscript{1}, K.K. Solli\textsuperscript{1,2}, A. Opheim\textsuperscript{3}, L. Tanum\textsuperscript{1,2}. \textsuperscript{1}Norwegian Centre for Addiction Research, University of Oslo, Norway; \textsuperscript{2}Vestfold Hospital Trust, Norway; \textsuperscript{3}Haukeland University Hospital, Norway; \textsuperscript{3}Akershus University Hospital, Norway

Relationship between anger and psychoactive substance use: A systematic review

H.V. Laitano, F.H.P. Kessler, T.C. Hartmann, P.T. Souza Filho, A. Ely. Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre, Universidade Federal do Rio Grande do Sul, Brazil
523 Adherence to methadone maintenance treatment protocol among service providers in China
C-W. Lan, C. Lin, X. Cao, L. Li. Semel Institute for Neuroscience and Human Behavior, University of California, Los Angeles, United States; National Center for AIDS/STD Control and Prevention, Chinese Centers for Disease Control and Prevention, China

524 Comparing psychiatric symptoms in subjects with chronic ketamine use and methamphetamine use
Y. Liao, J. Tang, C. Qi, Q. Wu. Mental Health Institute, the Second Xiangya Hospital of Central South University, China; Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, United States

525 How synthetic cannabinoid users differ from intravenous drug users in their attitudes toward Narcotics Anonymous in Russia
B. Lobodov, L. Rod, E. Chernyckii, P. Strogono. Medical Center “Semya,” Russia; Voronezh State Regional Narcological Dispensary, Russia

526 Impulsivity, sensation seeking, and substance use among adolescents: A longitudinal research study

527 Child protection experts’ initiatives in Tehran for treatment of street children with substance use disorder
M. Maarefvand, R. Daneshmand, S. Shariati-Rad, A. Noroozi, O. Massah, E. Salari, H. Bahari, N. Habibi, N. Dodangi, M. Sadeghi, M. Firoozhoohi, R. Radfar, L. Lundgren. Substance Abuse and Dependence Research Center, University of Social Welfare and Rehabilitation Sciences, Iran; Students Research Center of International Campus, Tehran University of Medical Sciences, Iran; Center for Addictions Research and Services, School of Social Work, Boston University, United States

528 Correlates of lifetime addiction treatment experience among people who inject drugs in four Ukrainian cities
A. Mazhnaya, S.D. Phillips, O. Filippova, R. Aleksanyan, T. Zub, P. Alpatova, J. Owczarzak. ICF Alliance for Public Health, Ukraine; Department of Anthropology, Indiana University, United States; Department of Sociology, V.N. Karazin Kharkiv National University, Ukraine; Center for AIDS Intervention Research, Medical College of Wisconsin, United States; Department of Health, Behavior, and Society, School of Public Health, Johns Hopkins University, United States

X. Mei, W. Zhou, X. Tan, P. Liu, L. Luo, C. Liu, M. Chawarski. School of Public Health, Wuhan University, China; Wuhan Centers for Disease Prevention and Control, China; Yale School of Medicine, United States

530 Demographic, temporal, and geographical features of suspected opiate overdoses attended by the London Ambulance Service, 2005–2007
I. Miftari. Insight Advantage Inc., Canada
Improving the lives of children who use drugs in Afghanistan
A.S. Momand1, E. Mattfeld2, G. Gerra2, B. Moralis3, T. Brown3, K. O'Grady4, H.E. Jones5.
1United Nations Office on Drugs and Crime (UNODC), Afghanistan; 2UNODC, Austria;
3Bureau of International Narcotics and Law Enforcement, U.S. Department of State, United
States; 4Department of Psychology, University of Maryland-College Park, United States;
5University of North Carolina (UNC) Horizons, Department of Obstetrics and Gynecology,
UNC at Chapel Hill, United States

Nicotine dependence as a mediator of Project EX’s effects to reduce tobacco use in high-risk
youth
A. Morales, M.T. Gonzálvez, M. Orgilés, J.P. Espada. Miguel Hernández University, Spain

“Not on the agenda”: A qualitative study of health services’ use among poor young women who
use drugs in Cape Town, South Africa
B. Myers1, T. Carney1, W.M. Wechsberg2. 1Alcohol, Tobacco and Other Research Unit,
South African Medical Research Council, South Africa; 2RTI International, United States

Retraumatization: Sexual abuse, post-traumatic stress disorder, and sexual risk behavior
among club drug users
J.C.M. Narvaez1, L. Remy1, J. Scherer1, F. Ornell1, R. Silvestrin1, H. Surratt2, S. Kurtz2, F.
Pechansky1. 1Collaborating Center on Alcohol and Drugs, Center for Drug and Alcohol
Research, Hospital de Clínicas de Porto Alegre, Federal University of Rio Grande do Sul,
Brazil; 2Center for Drug and Alcohol Research, Nova Southeastern University, United States

A stepped-wedge cluster randomized trial of behavioral interventions targeting amphetamine-
type stimulant use and sexual risk among female entertainment and sex workers in Cambodia:
Design of implementation science protocol
K. Page1, E.S. Stein2, A.W. Carrico3, J.L. Evans2, M. Sokunny4, E. Nil4, S. Ngak4, C.
Sophal5, C. McCulloch2, L. Maher6. 1Division of Epidemiology, Biostatistics and Preventive
Medicine, Department of Internal Medicine, University of New Mexico Health Sciences
Center, United States; 2Department of Epidemiology and Biostatistics, University of
California, San Francisco, United States; 3Department of Community Health Systems,
School of Nursing, University of California, San Francisco, United States; 4FHI360
Cambodia, Cambodia; 5Department of Mental Health and Substance Abuse, Ministry of
Health, Cambodia; 6The Kirby Institute for Infection and Immunity, University of New
South Wales, Australia

Codeine misuse/dependence: Best practice and future innovations in addressing risk, harm, and
successful treatment
C.D.H. Parry1, M.C. van Hout2, I. Norman3. 1Alcohol, Tobacco, and Other Drug Research
Unit, Medical Research Council, South Africa; 2School of Health Sciences, Waterford
Institute of Technology, Ireland; 3Florence Nightingale Faculty of Nursing and Midwifery,
Kings College London, United Kingdom

Validation of a purchase task for assessing the relative reinforcing efficacy of e-cigarettes
I. Pericot-Valverde, S. Fernández-Artamendi, A. González-Roz, C. López-Núñez, S.
Weidberg, R. Secades-Villa. University of Oviedo, Spain

What does addiction mean? A qualitative study to assess patients’ understanding about
addiction and its treatment
S. Prakash, R. Rao, P. Ramshankar, V. Krishnan, A. Ambekar, A. Dhawan. National Drug
Dependence Treatment Centre, All India Institute of Medical Sciences, India
Retention and drop out of opioid substitution therapy program due to drug diversion in Ukraine  
T. Prokhorova, V.P. Kolomiets. ICF Alliance for Public Health, Ukraine

Detoxification unit within a residential substance abuse treatment facility: A gateway to better outcomes?  
S. Rabinovitz. School of Criminology, Unit for Excellence in Research & Study of Addiction, University of Haifa, Israel

Quality of life in patients attending substance abuse treatment: A study in Songkhla Province, Thailand  
P. Rattanakornpreeda, S. Paileeklee. Khon Kaen University, Thailand

Detoxification unit within a residential substance abuse treatment facility: A gateway to better outcomes?  
S. Rabinovitz. School of Criminology, Unit for Excellence in Research & Study of Addiction, University of Haifa, Israel

Preliminary findings: Suicidal ideation among crack cocaine-dependent patients receiving treatment in São Paulo, Brazil’s “Crackland” and its association with HIV/STD  
A. Ribeiro1,2, C. Madruga2,3, A. Miguel2,3, S. McPherson4, M. Ribeiro1,2. 1Reference Centre of Drug Addiction Treatment, Brazil; 2Federal University of São Paulo, Brazil; 3National Institute of Alcohol and Drug Policies, Brazil; 4Washington State University, United States

Substance use: Recruitment and control tools for forced entry into sex work in two U.S.–Mexico border cities  

Linking infectious and narcology care: A strengths-based case management intervention to link HIV-infected people who inject drugs in Russia to HIV care: Randomized controlled trial results  
J.H. Samet1,2, E. Blokhina3, D.M. Cheng1, A.Y. Walley1,2, D. Lioznov3, C.E. Chaisson1, C. Bridden2, E. Quinn1, N. Gnatienko2, O. Tousova3, A. Gifford1, E. Krupitsky3, A. Raj4. 1Boston University, United States; 2Boston Medical Center, United States; 3First St. Petersburg Pavlov State Medical University, Russia; 4University of California, San Diego, United States

A retrospective chart review of treatment completers versus noncompleters among those seeking in-patient treatment at a tertiary care drug dependence treatment center  
S. Sarkar, Y.P.S. Balhara, N. Gautam, J. Singh. Department of Psychiatry, National Drug Dependence Treatment Centre, All India Institute of Medical Sciences, India

Improvement in the treatment of substance use disorders through adopting evidence-based practices in Pakistan  
U. Shamim. Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States

Gender differences among Russian addicts in their attitude toward long-term nonmedical treatment  
E. Smirnova1, B. Lobodov1, L. Rood2. 1Medical Center “Semya,” Russia; 2Voronezh State Regional Narcological Dispensary, Russia

The percentage of patients on high methadone doses in Ho Chi Minh City and related factors  

Acute tryptophan depletion response in cocaine-dependent subjects with comorbid depression  
M. Torrens1,2,3, J.I. Mestre-Pintó1, C. Pérez-Mañá1,3, E. Papaseit1,3, F. Fonseca1,2,3, M. Farré1,3,4. 1Institut Hospital del Mar d’Investigacions Mèdiques, Spain; 2Institut de Neuropsiquiatria i Addiccions, Spain; 3Universidad Autónoma de Barcelona, Spain; 4Hospital Universitari Germans Trias i Pujol-IGTP, Spain
550  Antiretroviral therapy initiation and adherence in people who inject drugs: Community-based approach  
   A. Tyshkevych, O. Denisiuk, P. Smyrnov. ICF Alliance for Public Health, Ukraine

551  Initial results of integrated antiretroviral and methadone treatment in District Preventive Medicine Centers in Ho Chi Minh City, 2013–2015  

552  Fatal overdose in recently detoxified HIV-infected individuals who inject drugs in St. Petersburg, Russia: Role of Naltrexone  
   T. Yaroslavtseva¹, E. Blokhina¹, E. Krupitsky¹,², D.M. Cheng³, N. Gnatienko⁴, A.Y. Walley³, E. Verbitskaya¹, E. Zvartau¹, S. Poole⁵, R. Gross⁵, G. Woody⁵, J.H. Samet³,⁴. ¹First Pavlov State Medical University of St. Petersburg, Russia; ²Bekhterev Research Psychoneurological Institute, Russia; ³Boston University, United States; ⁴Boston Medical Center, United States; ⁵University of Pennsylvania, United States
Policy Forum

8:00 Friends of NIDA
William L. Dewey, Department of Pharmacology and Toxicology, Virginia Commonwealth University Medical Center, Richmond, VA

8:10 Update from Capitol Hill: Implications for NIH/NIDA funding
Ed Long, Van Scoyoc Associates, Washington, DC

8:40 Integrated care: Is 42 CFR Part 2 a barrier or a necessity?
Westley Clark, Santa Clara University Public Health Program, Santa Clara, CA

9:06 Integrated care: Is 42 CFR Part 2 a barrier or a necessity?
Gavin Bart, Division of Addiction Medicine Hennepin County Medical Center, Minneapolis, MN

9:32 Integrated care: Is 42 CFR Part 2 a barrier or a necessity?
Dennis McCarty, OHSU/PSU School of Public Health, Oregon Health & Science University, Portland, OR

Symposium VII

5HT2A AND 5HT2C LIGANDS AS POTENTIAL THERAPEUTICS FOR SUBSTANCE USE DISORDERS

10:15 Behavioral effects of lorcaserin in rhesus monkeys: Interactions with stimulant drugs
C. P. France, Dept. of Pharmacology, University of Texas Health Science Center, San Antonio, TX

10:39 Effects of pimavanserin and lorcaserin on drug vs. food choice in rhesus monkeys
Matt Banks, Dept. of Pharmacology and Toxicology, Virginia Commonwealth University, Richmond, VA

11:03 Effects of 5-HT2C receptor agonist lorcaserin on THC self-administration and reinstatement of THC-seeking in squirrel monkeys
Zuzana Justinova, Preclinical Pharmacology Section, National Institute on Drug Abuse, IRP, NIH, Baltimore, MD

11:27 Modification of the abuse-related effects of cocaine by serotonergic ligands
Jack Bergman, McLean Hospital, Harvard Medical School, Belmont, MA

11:51 DISCUSSANT: Targeted 5HT2A/C pharmacotherapy for drug addiction
Leonard Howell, Yerkes National Primate Research Center, Emory University, Atlanta, GA
Symposium VIII

NEONATAL ABSTINENCE SYNDROME: CONTEXT AND CONSEQUENCES IN 2016

Chairs: Karol Kaltenbach and Hendree E. Jones

10:15 Neonatal abstinence syndrome: How it has been used to drive policies against women using substances during pregnancy
Hendree E Jones, University of North Carolina School of Medicine, Chapel Hill, NC

10:45 Understanding factors that exacerbate or mitigate severity and duration of neonatal abstinence syndrome
Karol Kaltenbach, Emeritus Professor of Pediatrics, Sidney Kimmel Medical College at Thomas Jefferson University, Moorestown, NJ

11:15 The assessment and treatment of neonatal abstinence syndrome: What do we know?
Sarah Hughes Heil, University of Vermont, Burlington, VT

11:45 DISCUSSANT: Neonatal abstinence syndrome in context: Science, family, and society
Mishka Terplan, Behavioral Health System, Baltimore, MD

Oral Communications 7

GATTACA: GENOTYPE/PHENOTYPE

Chairs: Mehdi Farokhnia and Mark Greenwald

10:15 Extinction and reinstatement of cocaine-reinforced behavior in rat lines selected for low and high levels of intravenous drug self-administration
K. Grasing, H. Xu, Kansas City VA Medical Center, Kansas City, MO

10:30 Adrenoceptor variants moderate treatment response of doxazosin for cocaine use disorder
D. A. Nielsen², D. Shorter³, C. Domingo², M. H. Harding², E. M. Nielsen², T. Kosten¹,
¹Psychiatry, Baylor, Houston, TX, ²Psychiatry and Behavioral Science, Baylor College of Medicine, Houston, TX

10:45 Composition of the N-methyl-D-aspartate receptor protein complex in the medial prefrontal cortex associates with individual differences in motor impulsivity
C. A. Krebs, N. C. Anastasio, UTMB Galveston, Galveston, TX

11:00 Recent cocaine use behavior differs by GLT1 genotype: A pilot study
M. Greenwald¹, E. A. Woodcock¹, L. H. Lundahl¹, M. Burmeister³, ¹Psychiatry and Behavioral Neurosciences, Wayne State University School of Medicine, Detroit, MI, ³Psychiatry and Human Genetics, University of Michigan, Ann Arbor, MI

11:15 Targeted over-expression of brain-derived neurotrophic factor in the nucleus accumbens increases goal tracking and nicotine locomotor sensitization, but reduces nicotine self-administration in rats
R. W. Brown², L. A. Beuttel¹, S. A. Dean¹, C. A. Bradley¹, J. Wherry², S. Kirby¹,
¹Psychology, East Tennessee State University, Johnson City, TN, ²Biomedical Sciences, East Tennessee State University, Johnson City, TN
11:30  *GABBR2* gene variants affect cigarette smoking pattern in alcohol-dependent individuals: A genetic association study  
M. Farokhnia¹, M. Schwandt², C. Hodgkinson³, L. Leggio¹, ¹Section on Clinical Psychoneuroendocrinology and Neuropsychopharmacology, NIAAA and NIDA, NIH, Bethesda, MD, ²Laboratory of Clinical and Translational Studies, NIAAA, NIH, Bethesda, MD, ³Laboratory of Neurogenetics, NIAAA, NIH, Rockville, MD

11:45  Characterization of the behavioral phenotypes underlying the reinforcing effects of cannabinoid receptor agonists in rhesus monkeys  
W. S. John, M. Nader, Wake Forest School of Medicine, Winston-Salem, NC

12:00  Cannabinoid receptor gene polymorphism (rs2023239) associated with demand for marijuana  
E. R. Aston¹, V. Knopik³,⁴, J. McGearv²,³,⁴, J. MacKillop⁵,¹, J. Metrik²,¹, ¹Center for Alcohol and Addiction Studies, Brown University School of Public Health, Providence, RI, ²Providence Veterans Affairs Medical Center, Providence, RI, ³Division of Behavioral Genetics, Department of Psychiatry, Rhode Island Hospital, Providence, RI, ⁴Department of Psychiatry and Human Behavior, Alpert Medical School, Brown University, Providence, RI, ⁵Peter Boris Centre for Addictions Research, McMaster University, Hamilton, ON, Canada

**Oral Communications 8**

**ALTERED STATES: ABUSE LIABILITY**

Chairs: Ziva D. Cooper and Michelle Baladi

10:15  The experimental tobacco marketplace II: Substitutability in dual e-cigarette and cigarette users  
A. Quisenberry, M. N. Koffarnus, A. Bianco, E. Perry, W. K. Bickel, Addiction Recovery Research Center, Virginia Tech Carilion Research Institute, Roanoke, VA

10:30  Validity of the modified cigarette evaluation questionnaire in predicting the reinforcing effects of cigarettes that vary in nicotine content under double-blind conditions  
C. A. Arger⁴, S. H. Heil⁴, S. C. Sigmun⁴, J. W. Tidey⁵, M. Sitzer⁴, D. Gaalema¹, M. Desarno¹, H. Durand⁴, E. Ruggieri⁴, S. T. Higgins⁴, ¹University of Vermont, Burlington, VT, ³Psychiatry, Brown, Providence, RI, ⁴Psychiatry, University of Vermont, Burlington, VT

10:45  3,4-Methylenedioxypyrovalerone maintains differential patterns of responding in male Sprague-Dawley rats  
G. T. Collins¹,², B. M. Gannon¹, K. Rice³, ¹Pharmacology, University of Texas Health Science Center at San Antonio, San Antonio, TX, ²South Texas Veterans Health Care System, San Antonio, TX, ³Chemical Biology Research Branch, NIDA/NIAAA, Bethesda, MD

11:00  Evaluation of the effects of JZP-110 in nonclinical models of abuse liability  
M. Baladi², L. P. Carter²,³, J. Black², J. Bergman¹, ¹McLean Hospital/Harvard Medical School, Belmont, MA, ²Jazz Pharmaceuticals, Palo Alto, CA, ³University of Arkansas for Medical Sciences, Little Rock, AR

11:15  Assessment of the abuse potential of ABT-126, an α7-selective nicotinic agonist  
T. J. Hudzik, Preclinical Safety, AbbVie, North Chicago, IL

11:30  Opioid modulation of cannabis-induced analgesia and subjective effects in cannabis smokers  
Z. D. Cooper, S. D. Comer, M. Haney, Psychiatry, Columbia University and NYSPI, New York, NY
11:45 *Analgesia and abuse liability of high-dose intravenous opioids in patients on methadone or buprenorphine*
D. A. Tompkins¹, M. T. Smith¹, R. R. Edwards², G. Bigelow¹, E. C. Strain¹, ¹Johns Hopkins University, Baltimore, MD, ²Harvard Medical School, Boston, MA

12:00 *No evidence of increased abuse potential of CL-108, a bilayered tablet containing hydrocodone/acetaminophen/promethazine, in recreational opioid users*
N. Levy-Cooperman¹, M. Shram¹, L. R. Webster², ¹Altreos Research Partners, Toronto, ON, Canada, ²PRA, Salt Lake City, UT

**Poster Session II**
*(Lunch)* 12:15 - 2:15 PM

Odd-numbered posters manned first hour;
Even-numbered, second hour

Set-up time begins Monday, 3 PM
Must be removed by Tuesday 2:30 PM

**Marijuana & Cannabinoids: Human Studies**

1. *Timing of sexual abuse, sexual risk behaviors and substance use among U.S. women*
   M. Cook, Integrated Substance Abuse Programs, University of California, Los Angeles, CA

2. *Ethical issues in using text message assessments for sensitive behaviors: A prospective study of young adults’ drug use and risky sexual behaviors*
   E. E. Bonar³, G. P. Koocher¹, R. Cunningham², R. L. Collins⁵, J. A. Cranford³, M. Walton², ³University of Michigan, Ann Arbor, MI, ⁴Psychiatry, University of Michigan, Ann Arbor, MI, ⁵DePaul University, Chicago, IL, ¹University at Buffalo, State University of New York, Buffalo, NY

3. *Examining problematic marijuana use among marijuana-using young adults*
   C. F. Wong¹, E. Iverson¹, S. E. Lankenau², ¹Children’s Hospital Los Angeles/USC, Los Angeles, CA, ²Community Health and Prevention, Drexel University, Philadelphia, PA

4. *Properties of the marijuana motives questionnaire among medical cannabis patients*
   K. Bohnert²,¹, M. Ilgen²,¹, ¹Psychiatry, University of Michigan, Ann Arbor, MI, ²VA Center for Clinical Management Research, Ann Arbor, MI

5. *Linking animal models to human self-administration practices among medical cannabis patients: A daily diary study*
   S. P. Novak, N. Peiper, J. Wiley, Behavioral Epidemiology, RTI International, Research Triangle Park, NC

6. *High impulsivity correlates with cannabis cue-induced craving in a non-treatment seeking cohort of heavy cannabis users*
   G. Sahlem¹, N. Baker³, R. J. Malcolm², A. McRae-Clark¹, ¹Psychiatry, Medical University of South Carolina, Charleston, SC, ²Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, SC, ³Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC

7. *Craving and anxiety responses to laboratory stress for individuals seeking treatment for cannabis use disorder: A pilot study*
   M. Olonoff², M. Pavlicova³, S. Evans², J. J. Mariani², J. Choi³, D. J. Brooks¹, A. Mahony³, F. R. Levin², ¹Substance Abuse, NYSPI, New York, NY, ²Columbia University, New York State Psychiatric Institute, New York, NY, ³Columbia University, New York, NY
8 Responses to social stress in regular cannabis smokers
   J. Xia, D. N. Patel, G. Bedi, Psychiatry, Columbia University and NYSPI, New York, NY

9 Single administration of oxytocin attenuates craving to smoke cannabis
   K. J. Hartwell1,2, N. Baker1, J. R. Walker1, A. McRae-Clark1, 1MUSC, Charleston, SC,
   2Ralph H Johnson VAMC, Charleston, SC

10 A dynamic causal modeling study of the reward system in marijuana users
   L. Ma1,2, J. Steinberg1,3, J. Bjork1,3, L. Keyser-Marcus1,3, J. Vassileva1,3, S. Ferré4, F. Moeller1,3,
   1Institute for Drug and Alcohol Studies, Virginia Commonwealth University, Richmond, VA,
   2Department of Radiology, Virginia Commonwealth University, Richmond, VA, 3Department
   of Psychiatry, Virginia Commonwealth University, Richmond, VA, 4Integrative Neurobiology
   Section, National Institute on Drug Abuse, Intramural Research Program, National Institutes
   of Health, Baltimore, MD

11 Chronic cannabis use is associated with impaired discrimination of threat and safety cues in
   Pavlovian conditioning
   S. Papini4, L. Ruglass2, T. Lopez-Castro2, J. Smits4, A. Campbell3, D. Hien1, 1Psychology,
   Adelphi University, NY, NY, 2Psychology, The City College of New York, New York, NY,
   3Psychiatry, Columbia University Medical Center, New York, NY, 4Psychology,
   The University of Texas at Austin, Austin, TX

12 Efforts to diversity research populations can pay dividends
   C. W. Striley, E. Kwiatkowski, L. Cottler, Epidemiology, University of Florida,
   Gainesville, FL

SEX/GENDER DIFFERENCES

13 Sex differences on cortical brain morphometry and behaviors in adolescent marijuana users
   V. Douet, L. Chang, B. Stoytcheva, T. Ernst, T. PING Consortium, Department of Medicine,
   University of Hawaii, John A. Burns School of Medicine, Honolulu, HI

14 Are gender differences in the prevalence of past-year marijuana use and risk perception in the
   U.S. narrowing from 2002-2013?
   P. M. Mauro, D. Hasin, Columbia University, New York, NY

15 Gender differences in the effect of childhood adversity on alcohol, drug, and poly-substance use
   disorders
   E. Evans1,2, D. Upchurch1, C. E. Grella2, 1Fielding School of Public Health, UCLA,
   Los Angeles, CA, 2UCLA Integrated Substance Abuse Programs, University of California,
   Los Angeles, CA

16 Gender differences in the effects of concurrent drug use on the risk of heroin relapse
   A. L. Moskowitz1,2, C. E. Grella2, 1Psychology, UCLA, Los Angeles, CA, 2Integrated
   Substance Abuse Programs, UCLA, Los Angeles, CA

17 Gender differences in remission from alcohol and marijuana dependence in college students
   B. A. Bugbee1, K. M. Caldeira1, K. E. O’Grady2, K. B. Vincent1, A. M. Arria1, 1University of
   Maryland School of Public Health, College Park, MD, 2Psychology, University of Maryland,
   College Park, MD

18 Heavy episodic drinking and weight control behavior among college students: Does gender
   matter?
   R. L. Peralta1, P. B. Barr2, 1Department of Sociology, The University of Akron, Akron, OH,
   2Department of Psychology and African American Studies, Virginia Commonwealth
   University, Richmond, VA
19 Barriers to long-acting reversible contraceptive use among opioid-maintained women  
A. K. Matusiewicz, H. S. Melbostad, S. H. Heil, Department of Psychiatry, University of Vermont, Burlington, VT

20 Health characteristics and sexual risk behaviors among young adult prescription opioid misusers in the club scene: Examining the role of gender  
M. A. Levi Minzi, M. E. Buttram, S. P. Kurtz, ARSH: Center for Research on Substance Use and Health Disparities, Nova Southeastern University, Miami, FL

21 What’s in Your medicine cabinet?: Gender differences  
L. Cottler, E. Kwiatkowski, C. W. Striley, Epidemiology, University of Florida, Gainesville, FL

22 Male-female differences in making a rapid transition from first heroin use to onset of heroin dependence: United States, 2005-2013  
O. J. Santiago Rivera, J. C. Anthony, Epidemiology and Biostatistics, Michigan State University, East Lansing, MI

23 Gender differences among PWID with regard to HIV transmission risk in St. Petersburg, Russia  
N. Gnatenko5, J. Tsui2, J. A. Wagman3, D. M. Cheng4, A. Raj5, E. Blokhina1, O. Tousova1, L. Forman4, D. Lioznov1, J. H. Samet5, 1First Pavlov State Medical University of St. Petersburg, St. Petersburg, Russian Federation, 2University of Washington, Seattle, WA, 3University of California, San Diego, CA, 4Boston University, Boston, MA, 5Boston Medical Center, Boston, MA

24 Working memory is impaired for both male and female HIV+ substance users  
E. Martin2, R. Gonzalez1, J. Vassileva4, P. Maki3, L. Rubin3, D. Hardy4, 1Psychology, Florida International University, Miami, FL, 2Psychiatry, Rush University Medical Center, Chicago, IL, 3Psychiatry, University of Illinois, Chicago, IL, 4Psychiatry, Virginia Commonwealth University, Richmond, VA, 5Psychology, Loyola Marymount University, Los Angeles, CA

25 Sexual violence among patients with substance use disorders in FQHCs  
C. W. Bone2, R. Andersen3, M. Vahidi1, L. Gelberg1,3, 1Family Medicine, UCLA, Woodland Hills, CA, 2Internal Medicine, Yale, New Haven, CT, 3UCLA School of Public Health, Los Angeles, CA

26 Predictors of Internet-delivered drug treatment outcomes and acceptability among women  
T. Saraiya1, A. Campbell2, M. Hu2, 1Adelphi University, New York, NY, 2Dept of Psychiatry, Columbia University, New York, NY

27 Gender and racial/ethnic differences in referral sources for SUD treatment among adolescents and young adults in California (2009-2014)  
J. Lim, D. Urada, UCLA Integrated Substance Abuse Programs, Los Angeles, CA

28 Sex-differences in grey matter concentration in cocaine use disorder: A voxel-based morphometry study  
R. N. Preston-Campbell, G. Gan, S. Moeller, A. Zilverstand, M. A. Parvaz, N. Alia-Klein, R. Goldstein, Icahn School of Medicine at Mount Sinai, New York, NY

29 “Sex and the new Kandel-Kandel nicotine gateway evidence”: Initial stepping-stones  
F. A. Wagner1,3, K. C. Alcover1, O. A. Vsevolozhskaya2, J. C. Anthony3, 1PSRC, Morgan State University, Baltimore, MD, 2Biostatistics, University of Kentucky, Lexington, KY, 3Department of Epidemiology and Biostatistics, Michigan State University, East Lansing, MI
Mentholated cigarette use among African American women and men: What’s blunt smoking got to do with it?
L. Montgomery, Counseling/Substance Abuse Counseling, University of Cincinnati, Cincinnati, OH

Gender discrimination, educational attainment, and illicit drug use among U.S. women
H. Carliner¹, A. Sarvet², A. R. Gordon³, D. S. Hasin¹, ¹Epidemiology, Columbia University, New York, NY, ²New York State Psychiatric Institute, New York, NY, ³Pediatrics, Harvard Medical School, Boston, MA

Social ties and substance use among reserve soldiers in single and dual military households
E. M. Anderson Goodell¹, S. Cercone Heavey², D. Homish³, G. G. Homish², ¹Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, ²Community Health and Health Behavior, State University of New York at Buffalo, Buffalo, NY

HIV/HCV

Borderline personality disorder and brief intervention for drug use in HIV primary care
J. Derri², A. Le², D. S. Hasin¹, ¹Psychiatry, Columbia University Medical Center, New York, NY, ²New York State Psychiatric Institute, New York, NY

Modeling a theory-based approach to examine the influence of neurocognitive impairment on HIV risk reduction behaviors among drug users in treatment
R. Shrestha¹,², T. B. Huedo-Medina²,³, M. Copenhaver²,³, ¹Department of Community Medicine & Health Care, University of Connecticut Health Center, Farmington, CT, ²Center for Health, Intervention, and Prevention, University of Connecticut, Storrs, CT, ³Department of Allied Health Sciences, University of Connecticut, Storrs, CT

Feasibility, acceptability, tolerability of targeted naltrexone for non-dependent methamphetamine-using and binge-drinking men who have sex with men
G. Santos¹,¹, P. Coffin¹, D. Santos¹, S. Huffaker¹, T. Matheson¹, J. Euren¹, A. DeMartini¹, C. Rowe¹, J. Hahn³, D. Vlahov³, E. Vittinghoff³, S. L. Batki¹, ¹Community Health Systems, University of California San Francisco, San Francisco, CA, ³University of California San Francisco, San Francisco, CA

Health knowledge and sociodemographic predictors of risky behaviors
B. Peteet¹, M. Staton-Tindall², ¹Psychology, University of Cincinnati, Cincinnati, OH, ²Social Work, University of Kentucky, Lexington, KY

Gender disparities in HIV prevalence and risk behaviors among people who inject drugs in Tajikistan
W. Zule¹, D. Otiaishvili², A. Latypov³, S. Bangel¹, W. Wechsberg¹, ¹RTI International, Durham, NC, ²Addiction Research Center, Alternative Georgia, Tbilisi, Georgia, ³Management Sciences for Health, Leadership, Management and Governance, Kiev, Ukraine

Condom barriers among African American substance users: Age and gender differences
C. L. McCuistian, K. Burlew, Psychology, University of Cincinnati, Cincinnati, OH

Current drug users and women have higher rates of risky sexual behaviors

Racial and ethnic differences in substance use diagnoses, comorbid psychiatric disorders and treatment initiation among HIV-positive and HIV-negative women
E. D. Storholm¹,³, M. Silverberg², D. Satre²,³, ¹Rand Corporation, Santa Monica, CA, ²Kaiser Permanente, Oakland, CA, ³Psychiatry, UCSF, San Francisco, CA
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<td>41</td>
<td>Latent classes of polydrug use and associations with HIV risk behaviors and overdose among people who inject drugs in Tijuana, Mexico</td>
<td>M. C. Meacham(^{1,2,3}), S. Roesch(^{2}), S. Strathdee(^{1}), P. Gonzalez-Zuniga(^{1}), T. Gaines(^{1}), (^{1})University of California San Diego, La Jolla, CA, (^{2})San Diego State University, San Diego, CA, (^{3})University of California San Francisco, San Francisco, CA</td>
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<td>Used syringes analysis: A new approach to better-know what is injected</td>
<td>T. Nefau(^{2,1}), S. Karolak(^{2}), Y. Levi(^{2}), V. Thibault(^{1}), C. Duplessy-Garcon(^{1}), J. Bara(^{1}), (^{1})SAFE association, Paris, France, (^{2})Univ Paris Sud, Châtenay-Malabry, France</td>
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<td>43</td>
<td>Syringe-sharing among a prospective cohort of street-involved youth In Vancouver, Canada: Implications for structural interventions</td>
<td>N. Bozino(^{1}), E. Wood(^{1,2}), L. Richardson(^{1,3}), H. Dong(^{1}), T. Kerr(^{1,3}), K. DeBeck(^{1,4}), (^{1})BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada, (^{2})Department of Medicine, University of British Columbia, Vancouver, BC, Canada, (^{3})Department of Sociology, University of British Columbia, Vancouver, BC, Canada, (^{4})School of Public Policy, Simon Fraser University, Vancouver, BC, Canada</td>
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<td>44</td>
<td>Access to and retention in harm reduction services among persons who inject drugs in Washington, DC</td>
<td>S. T. Allen(^{1}), M. Ruiz(^{2}), S. Sherman(^{1}), (^{1})Epidemiology, Johns Hopkins University, Baltimore, MD, (^{2})Prevention and Community Health, George Washington University, Washington, DC</td>
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<td>Provider perspectives on care coordination for people living with HIV who use drugs</td>
<td>K. Claborn(^{1,2}), (^{1})Psychiatry &amp; Human Behavior, Warren Alpert Medical School of Brown University, Providence, RI, (^{2})Medicine, Rhode Island Hospital, Providence, RI</td>
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<td>46</td>
<td>Domestic prevalence of substance use disorders in HIV care settings</td>
<td>B. Hartzler(^{1}), D. Donovan(^{1}), B. Beadnell(^{6}), H. M. Crane(^{4}), J. J. Eron(^{2}), E. H. Geng(^{3}), W. C. Matthews(^{5}), K. H. Mayer(^{4}), R. D. Moore(^{6}), M. Mugavero(^{7}), S. Napravnik(^{2}), B. Rodriguez(^{8}), J. C. Dombrowski(^{1}), (^{1})University of Washington, Seattle, WA, (^{2})University of North Carolina-Chapel Hill, Chapel Hill, NC, (^{3})University of California-San Francisco, San Francisco, CA, (^{4})Harvard University, Boston, MA, (^{5})University of California-San Diego, San Diego, CA, (^{6})Johns Hopkins University, Baltimore, MD, (^{7})University of Alabama-Birmingham, Birmingham, AL, (^{8})Case Western Reserve University, Cleveland, OH, (^{9})Prevention Research Institute, Louisville, KY</td>
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<td>48</td>
<td>Sexual risk and substance use behaviors among partnered and non-partnered HIV-infected adults with substance dependence</td>
<td>A. R. Bazzi(^{3}), M. Sullivan(^{6}), M. Drainoni(^{4}), A. S. Ventura(^{2}), G. J. Patts(^{2}), A. Y. Walley(^{1}), R. Saitz(^{5}), (^{1})General Internal Medicine, Boston Univ, Boston, MA, (^{2})Boston University, Boston, MA, (^{3})Community Health Sciences, Boston University School of Public Health, Boston, MA, (^{4})Health Policy and Management, Boston University School of Public Health, Boston, MA, (^{5})Community Health Sciences, Boston University and Boston Medical Center, Boston, MA, (^{6})Boston Medical Center, Boston, MA</td>
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49 **LINC - A strengths-based case management intervention to link HIV-infected PWID in Russia to HIV care – RCT Results**

J. H. Samet¹, E. Blokhina², D. M. Cheng¹, A. Y. Walley¹, D. Lioznov², C. Chaisson¹, C. Bridden¹, E. Quinn¹, N. Gnatienko², O. Toussova², A. Giffor¹, E. Krupitsky², A. Raj⁴, ¹Boston University, Boston, MA, ²First Pavlov State Medical University, St. Petersburg, Russian Federation, ³Boston Medical Center, Boston, MA, ⁴University of California, San Diego, CA

50 **Daily alcohol use as an independent risk factor for HIV seroconversion among people who inject drugs**

S. Young¹, E. Wood¹,², H. Dong², T. Kerr¹,², K. Hayashi², ¹Department of Medicine, University of British Columbia, Vancouver, BC, Canada, ²Urban Health Research Initiative, BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada

51 **Extended-release naltrexone feasibility in HIV clinics: A pilot study**

T. Korthuis³, P. J. Lum³, P. Vergara-Rodriguez³, K. Ahamad³, E. Wood³, R. Lindblad¹, R. Mandler², J. Sorensen³, D. Ha³, N. Oden¹, L. Kunkel³, D. McCarty³, ¹EMMES, Rockville, MD, ²NIDA, Bethesda, MD, ³OHSU, Portland, OR, ⁴UBC, Vancouver, BC, Canada, ⁵UCSF, San Francisco, CA, ⁶CORE Center, Chicago, IL

52 **Technology-based intervention preferences to enhance self-management of substance use disorders, HIV, and hepatitis C among patients in inpatient detoxification**

B. Tofighi², F. Grazioleti¹, A. Thomas¹, A. Desai³, A. Coelho Pinguello², P. Greco², J. D. Lee², ¹School of Social Work, New York University, New York, NY, ²Population Health, New York University School of Medicine, New York City, NY, ³Psychiatry, New York University, New York, NY

53 **Sexual and drug use risk behaviors and HIV- and Hepatitis-C transmission knowledge among non-treatment-seeking individuals with opioid use disorders in NYC**

V. Metz¹,², M. Sullivan¹,²,³, J. D. Jones¹,², E. Evans¹,², R. Luba¹,², J. Vogelman¹,², S. Comer¹,², ¹New York State Psychiatric Institute, New York, NY, ²Columbia University Medical Center, New York, NY, ³Alkermes, Inc, Waltham, MA

54 **HCV incidence and treatment in aging Latino injectors**

M. R. Klawans, Y. Villarreal, T. Northrup, A. Stotts, McGovern Medical School, University of Texas Health Science Center at Houston, Houston, TX

55 **Hepatitis C virus core antigen reliably diagnoses HCV infection in injection and non-injection drug users**

M. Zeremski², Y. Chen³, R. Zavala⁴, Y. de Jong², C. Sylvester¹, G. Cloherty⁶, A. Talal⁵, ¹Research & Evaluation, START: Treatment & Recovery Centers, Brooklyn, NY, ²Weill Cornell Medical College, New York, NY, ³Biostatistics, University at Buffalo (SUNY), Buffalo, NY, ⁴START: Treatment & Recovery Centers, Brooklyn, NY, ⁵Medicine, University at Buffalo (SUNY), Buffalo, NY, ⁶Abbott Diagnostics, Des Plaines, IL

**ADOLESCENT DRUG ABUSE**

56 **Alcohol use during an N-acetylcysteine cannabis cessation trial in adolescents**

L. M. Squeglia, N. Baker, E. A. McClure, K. M. Gray, Medical University of South Carolina, Charleston, SC

57 **Adolescent cannabis use disorder: Adaptive treatment for poor responders to initial treatment**

Y. Kaminer, Psychiatry, University of CT School of Medicine, Farmington, CT
58 Male-female differences of antecedent cannabis use among newly incident young alcohol drinkers: Does age matter?
   H. G. Cheng1, C. Lopez-Quintero1, J. C. Anthony2, 1Epidemiology and Biostatistics, Michigan State University, East Lansing, MI, 2Michigan State University, East Lansing, MI

59 A longitudinal examination of the impact of childhood emotional abuse on cannabis use trajectories among community youth
   A. N. Banducci1,2, J. W. Felton2, M. O. Bonn-Miller1, C. W. Lejuez2, L. MacPherson2, 1VA Palo Alto Health Care System, The National Center for PTSD, Palo Alto, CA, 2University Of Maryland, College Park, College Park, MD

60 The romantic relationship context of adolescent marijuana use
   P. A. Matson2, N. Ialongo1, S. Chung2, G. Bobashev3, J. M. Ellen4, 1Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, 2Johns Hopkins School of Medicine, Baltimore, MD, 3RTI International, Durham, NC, 4All Children’s Hospital Johns Hopkins Medicine, St. Petersburg, FL

61 Psychometric assessment of the marijuana adolescent problem inventory
   S. F. Babbin, C. Stanger, A. J. Budney, Department of Psychiatry, Geisel School of Medicine at Dartmouth, Lebanon, NH

62 Predictors of cannabis uptake in an adolescent cohort: Associations with tobacco use, drinking, and child, peer, and familial factors
   R. P. Mattick1, P. Clare1, A. Aiken1, M. Wadolowski1,4, R. Bruno2, K. Kypri4, J. Najman4, D. Hutchinson1, N. McBride4, 1National Drug and Alcohol Research Centre, University of New South Wales, Sydney, NSW, Australia, 2School of Medicine, University of Tasmania, Hobart, TAS, Australia, 4School of Medicine and Public Health, University of New Castle, New Lambton Heights, NSW, Australia, 3School of Public Health, University of Queensland, Brisbane, QLD, Australia

63 Attitudes towards tobacco use among parents of adolescents
   S. E. Gomez Luna1, D. A. Cavallo2, S. Krishnan-Sarin3, 1School of Medicine, RAMS/YALE, Stamford, CT, 2Psychiatry, Yale University, New Haven, CT, 3Psychiatry, Yale School of Medicine, New Haven, CT

64 Cigarillo use patterns among adolescents
   G. Kong1, D. A. Cavallo4, D. R. Camenga3, M. E. Morean4, P. Simon2, K. M. Gutierrez4, S. Krishnan-Sarin4, 1Yale School of Medicine, New Haven, CT, 2Department of Psychiatry, Division of Prevention and Community Research, Yale School of Medicine, New Haven, CT, 3Emergency Medicine, Yale School of Medicine, New Haven, CT, 4Department of Psychiatry, Yale University, School of Medicine, New Haven, CT

65 Greater curiosity about smoking cigarettes among 6th and 12th grade students using alternative tobacco-smoking products
   L. E. Segura1, A. Maldonado1, J. Santaella1, C. Storr2, S. S. Martins1, 1Epidemiology, Columbia University, New York, NY, 2University of Maryland School of Nursing, Baltimore, MD

66 Longitudinal patterns of e-cigarette and cigarette dual use in adolescents
   D. R. Camenga, K. Bold, G. Kong, D. A. Cavallo, K. M. Gutierrez, P. Simon, S. Krishnan-Sarin, Yale School of Medicine, New Haven, CT

67 Low socioeconomic status is associated with e-cigarette and tobacco product use latent class membership among adolescents
   P. Simon2, D. R. Camenga1, G. Kong2, D. A. Cavallo2, M. E. Morean2, K. M. Gutierrez2, S. Krishnan-Sarin2, 1Emergency Medicine, Yale University, New Haven, CT, 2Psychiatry, Yale University, New Haven, CT
68 **Associations between non-traditional tobacco product use and ADHD symptoms in adolescents**
N. Goldenson¹, R. Khoddam², A. Leventhal¹,², ¹Preventive Medicine, University of Southern California, Los Angeles, CA, ²Psychology, University of Southern California, Los Angeles, CA

69 **Polydrug use among a cohort of adolescent light smokers**
K. McKelvey, D. Ramo, K. Delucchi, M. Rubinstein, UCSF, San Francisco, CA

70 **Intra-individual changes in Stroop-related neural activations linked to cigarette abstinence in adolescent smokers**
S. W. Yip, S. Krishnan-Sarin, I. Balodis, K. Carroll, M. N. Potenza, Psychiatry, Yale University, New Haven, CT

71 **Classifying youth substance use with non-invasive questions**
A. Mellis¹, C. Eddy², C. Franck³, A. G. Wilson², M. N. Koffarnus¹, W. K. Bickel¹, ¹Addiction Recovery Research Center, Virginia Tech Carilion Research Institute, Roanoke, VA, ²Department of Psychology, University of Kentucky, Lexington, Lexington, KY, ³Department of Statistics, Virginia Tech, Blacksburg, VA

72 **Persistence of extra-medical prescription pain reliever use among United States adolescents: A latent class analysis**
M. A. Parker, J. C. Anthony, Epidemiology & Biostatistics, Michigan State University, East Lansing, MI

73 **Parental permission for adolescent alcohol use at home with friends: Associations with demographic factors and risky drinking in Ontario, Canada**
H. Hamilton¹,², A. Boak¹, R. Mann¹,², ¹Centre for Addiction and Mental Health, Toronto, ON, Canada, ²Dalla Lana School of Public Health, University of Toronto, Toronto, ON, Canada

**CRIMINAL JUSTICE**

74 **Illegal drug use and criminal behavior among Kentucky juvenile offenders**
C. Leukefeld¹,², M. F. Dickson¹, M. Staton-Tindall¹, M. Webster¹,², C. B. Oser¹,³, H. K. Knudsen², K. R. Marks², J. R. Havens¹,², ¹Center on Drug and Alcohol Research, University of Kentucky, Lexington, KY, ²Behavioral Science, University of Kentucky, Lexington, KY, ³Sociology, University of Kentucky, Lexington, KY

75 **Delivering HIV-prevention services to criminally-involved adolescents in substance abuse treatment**
K. L. Dugosh, D. S. Festinger, Law and Ethics, Treatment Research Institute, Philadelphia, PA

76 **Patterns of substance use and arrest among hospitalized people living with HIV: A latent class analysis**
K. Shiu¹, A. M. Brincks², D. J. Feaster¹, J. A. Frimpong¹, L. Gooden¹, A. Nijhawan³, R. P. Schwartz², L. Haynes³, S. Tross¹, J. Sorensen⁴, M. Drainoni⁵, R. Mandler³, C. del Rio⁶, L. R. Metsch¹, ¹Columbia University, New York, NY, ²Friends Research Institute, Baltimore, MD, ³MUSC, Charleston, SC, ⁴University of California, San Francisco, San Francisco, CA, ⁵NIDA, Bethesda, MD, ⁶Emory University, Atlanta, GA, ⁷University of Miami, Miami, FL, ⁸UT Southwestern Medical Center, Dallas, TX, ⁹Boston University, Boston, MA

77 **Substance use and HIV care among Puerto Ricans living with HIV on Rikers Island**
T. Pugh¹, J. Wiersema², P. Teixeira¹, ¹SMS, Mailman School of Public Health, NYC, NY, ²NYC Correctional Health Services, NYC, NY, ³Weill Cornell Medicine, NYC, NY
Preliminary outcomes of a brief intervention to reduce HIV and HCV risk among rural women
M. Staton-Tindall1, G. Ciciurkaite1, J. R. Havens2, B. Peteet4, M. Webster2, C. B. Oser1,
1Sociology, University of Kentucky, Lexington, KY, 2Behavioral Science, University of Kentucky, Lexington, KY, 3Social Work, University of Kentucky, Lexington, KY, 4University of Cincinnati, Cincinnati, OH

Drugged driving and other high-risk behavior among rural drug-involved female offenders
M. Webster, M. F. Dickson, M. Staton-Tindall, C. B. Oser, C. Leukefled, Center on Drug and Alcohol Research, University of Kentucky, Lexington, KY

The association between religion/spirituality and 30-day crack/cocaine and marijuana use among female offenders
A. Acheampong1, D. C. Vidot3, C. W. Striley2, L. Cottler3, 1University of Florida, Gainesville, FL, 2Epidemiology, University of Florida, Gainesville, FL, 3University of Miami Miller School of Medicine, Miami, FL

Hallucinogen use is associated with a decreased likelihood of positive urine drug screen following entry into community corrections supervision
P. Hendricks1, S. Lappan1, K. L. Cropsey2, 1Health Behavior, University of Alabama at Birmingham, Birmingham, AL, 2Psychiatry, University of Alabama at Birmingham, Birmingham, AL

History of injection drug use mediates the effect of Project START intervention in men who were released from prison in Ukraine
T. Kiriazova2, Y. Sereda1, 1Sociology, Institute for Social Research after Olexander Yaremenko, Kyiv, Ukraine, 2Ukrainian Institute on Public Health Policy, Kyiv, Ukraine

Criminal justice involvement and violence in civilians with substance use disorders and posttraumatic stress disorder
T. Lopez-Castro2, D. Hien1, S. Papini3, 1Psychology, Adelphi University, NY, NY, 2Dept. of Psychology, The City College of New York, New York, NY, 3Psychology, University of Texas, Austin, TX

Substance use disorders, trauma and victimization in a representative sample of Latino prison inmates
M. Vélez Pastrana3,1, R. A. Gonzalez2,1, A. Alicea-Rodríguez1,3, C. Albizu1, 1Center for Evaluation and Sociomedical Research, University of Puerto Rico, San Juan, PR, 2Centre for Mental Health, Imperial College London, London, United Kingdom, 3Carlos Albizu University, San Juan, PR

The pathway to substance misuse for young people with ADHD and conduct disorder
R. A. Gonzalez1,2, G. Gudjonsson3, K. Wolff9, K. Xenitidis3, L. Mutch5, I. Mallet-Lambert3, F. R. Levin4, S. Young1, 1Centre for Mental Health, Imperial College London, London, United Kingdom, 2Centre for Evaluation and Sociomedical Research, University of Puerto Rico Medical Sciences Campus, San Juan, PR, 3IoP, King’s College London, London, United Kingdom, 4Division on Substance Abuse, New York State Psychiatric Institute, New York, NY

The effect of treatment for opioid use disorders on the costs of crime
E. Krebs1, D. Y. Huang1, E. Evans2, D. Urada4, Y. Hser3, B. Nosyk1, 1BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada, 2UCLA, Los Angeles, CA, 3Department of Psychiatry & Behavioral Sciences, UCLA, Los Angeles, CA, 4Integrated Substance Abuse Programs, UCLA, Los Angeles, Los Angeles, CA
Methadone patients in patient-centered treatment: One-year arrest data
S. M. Kelly¹, K. E. O’Grady², J. Gryczynski¹, S. G. Mitchell¹, J. H. Jaffe¹,³, R. P. Schwartz¹,
¹Friends Research Institute, Baltimore, MD, ²Univ. of MD, College Park, MD, ³Univ. of MD, School of Medicine, Baltimore, MD

Addictive behaviors and psychiatric comorbidities of incarcerated women in a French overseas territory
L. Techer³, J. Alexandre², D. Mété³, M. Auriacombe², M. Fatseas², ²Addiction Psychiatry (CNRS USR 3413), Universite Bordeaux, Bordeaux, France, ³Addiction Treatment Center, CHU Ile de la Réunion, Saint Denis, France

THEORETICAL

The quest to extend health services to vulnerable substance users in Rio de Janeiro, Brazil, in the context of an unfolding economic crisis
N. Krawczyk³, D. Kerrigan², F. I. Bastos¹, ¹ICICT, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil, ²Health Behavior and Society, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, ³Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Parallel growth modeling to better understand co-addiction: A randomized clinical trial of tobacco smoking and stimulant use
M. Mamey¹, L. Burns¹, C. Barbosa-Leiker², C. Parks¹, S. McPherson², ¹Psychology, Washington State University, Pullman, WA, ²College of Nursing, Washington State University, Spokane, WA

Dealing with zero-numerators in estimating drug-dependence chances: A Bayesian approach
O. A. Vsevolozhskaya³, F. A. Wagner², J. C. Anthony¹, ¹Michigan State University, East Lansing, MI, ²PSRC, Morgan State University, Baltimore, MD, ³Biostatistics, University of Kentucky, Lexington, KY

Statistical assessment of abuse-deterrent opioids
L. Chen, FDA/CDER, Silver Spring, MD

A theory of social roles in addiction and recovery suitable for dynamic simulation modeling
E. Stringfellow, Brown School of Social Work, Washington University in St. Louis, St. Louis, MO

Driving impairment of CNS prescription and non-prescription drugs
T. Hopyan², R. Mann¹,³, C. Wickens¹,³, ¹Center for Addiction & Mental Health, Toronto, ON, Canada, ²INC Research, Toronto, ON, Canada, ³University of Toronto, Toronto, ON, Canada

Assessing the abuse potential of botanical substances
K. Bonson, A. Trachtenberg, M. Klein, Controlled Substance Staff, Food and Drug Administration, Silver Spring, MD

Pre-clinical abuse testing applications in drug development
J. Randall-Thompson, M. Klein, Controlled Substance Staff, Food and Drug Administration, Silver Spring, MD

FDA role in the drug scheduling process of a drug under development
S. N. Calderon, D. Chiapperino, M. Klein, CDER/CSS, Food and Drug Administration, Silver Spring, MD

Assessment of the abuse potential and benefits of kratom and its mitragynine alkaloids: Implications for regulation
R. K. Lanier¹, R. V. Fant², E. Cone², J. Henningfield², ¹US Naturals, Washington, DC, ²Pinney Associates, Bethesda, MD
Readiness to change is a predictor of reduced substance use involvement: Findings from a randomized controlled trial of patients attending South African emergency departments
B. Myers¹, D. J. Stein², K. Sorsdahl², ¹Alcohol, Tobacco and Other Drug Research Unit, South African Medical Research Council, Tygerberg, South Africa, ²University of Cape Town, Cape Town, South Africa

CLUB/DESIGNER DRUGS

Dopaminergic mediation of the discriminative stimulus effects of three cathinone analogs of MDMA
S. Dolan², M. B. Gatch¹, ¹Pharmacology & Neuroscience, UNT Health Science Center, Fort Worth, TX, ²Institute for Healthy Aging, Center for Neuroscience Discovery, University of North Texas Health Science Center, Fort Worth, TX

Entactogenic effects of synthetic cathinones
M. B. Gatch, M. J. Forster, Center for Neuroscience Discovery, UNT Health Science Center, Fort Worth, TX

Comparison of anomalous experiences after ingesting psilocybin mushrooms in research and non-research settings
T. M. Carbonaro, M. W. Johnson, R. R. Griffiths, Johns Hopkins University, Baltimore, MD

Reliability and validity of the Japanese version of the DAST-2
T. Shimane, T. Matsumoto, Department of Drug Dependence Research, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan

STIMULANTS: ANIMAL STUDIES

Participation of CC-Chemokine ligands in reward system on methamphetamine-induced psychological dependence in mice
S. Kishioka¹, F. Saika¹, S. Matsuzaki¹, M. Ko², N. Kiguchi¹,², ¹Pharmacology, Wakayama Medical University, Wakayama, Japan, ²Physiology and Pharmacology, Wake Forest University School of Medicine, Winston-Salem, NC

Pharmacological effects of injected or vaporized methamphetamine and alpha-PVP in mice

Combined effects of a serotonin 5HT2C receptor agonist and a serotonin 5HT2A receptor antagonist on methamphetamine-induced sleep disruption evaluated with actigraphy in rhesus monkeys
L. F. Berro, M. Peres Diaz, M. L. Andersen, L. Howell, Emory University, Atlanta, GA

Effects of lorcaserin on cocaine and methamphetamine self-administration and on reinstatement of extinguished responding in rhesus monkeys
L. R. Gerak¹, G. T. Collins¹,², C. P. France¹,³, ¹Pharmacology, University of Texas Health Science Center, San Antonio, TX, ²South Texas Veterans Health Care System, San Antonio, TX, ³Psychiatry, University of Texas Health Science Center, San Antonio, TX

Cocaine-cue memory extinction is associated with depotentiation at amygdala synapses
M. T. Rich, T. Cahanap, Y. Huang, M. M. Torregrossa, University of Pittsburgh, Pittsburgh, PA

Regulation of gene expression of the delta opioid receptor, corticotropin-releasing hormone, and CRH-1 receptor during withdrawal from chronic cocaine
K. L. Connelly, E. M. Unterwald, Center for Substance Abuse Research, Temple University Lewis Katz School of Medicine, Philadelphia, PA

Crabp2 and Fabp5 mediated retinoic acid signaling is a novel mechanism controlling depression- and addiction-related behavior
Y. Zhang, E. Crofton, S. Koshy, T. Green, University of Texas Medical Branch, Galveston, TX
111 Hyperactivity, but not anxiety-like, behavior is observed in rats receiving chronic cocaine followed by exposure to single prolonged stress
S. A. Perrine, M. J. Lisieski, Psychiatry and Behavioral Neurosciences, Wayne State University School of Medicine, Detroit, MI

112 Disruption of the serotonin 5-HT_{2C} receptor interaction with protein phosphatase and tensin homologue regulates the behavioral effects of the selective 5-HT_{2C} agonist WAY163909
C. Soto, R. G. Fox, N. C. Anastasio, H. C. Du, S. Gilbertson, K. A. Cunningham, Department of Pharmacy & Toxicology, UTMB, Galveston, TX, Department of Chemistry, University of Houston, Houston, TX, Center for Addiction Research, UTMB, Galveston, TX

113 Crack cocaine users with high family/social problems show more psychiatric symptoms and violent behaviors
M. P. Pachado, J. N. Scherer, L. S. Guimaraes, N. Marchi, R. Almeida, F. P. Pechansky, F. H. Kessler, Department of Pharmacy & Toxicology, Porto Alegre, Brazil, Department of Drug and Alcohol Research, Porto Alegre, Brazil, Center for Drug and Alcohol Studies at HCPA/UFRGS, Porto Alegre, Brazil, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil

114 Mediation pathways among trait impulsivity, use consequences, and quit attempts in cocaine users
E. A. Woodcock, J. J. Lister, L. H. Lundahl, M. Greenwald, Psychiatry, Wayne State University, Detroit, MI, Social Work, Wayne State University, Detroit, MI

Symposium IX
Fiesta 6/8
2:15 - 3:15 PM

TRANSLATIONAL MARKERS OF SUBSTANCE USE VULNERABILITY: RECEPTORS, RISK-PROCESSING, AND PSYCHOPATHOLOGY

Chairs: Noelle C. Anastasio and Thomas J. Crowley

2:15 Interrogations into the neuromolecular underpinnings of inherent impulsivity in rodents
Noelle C Anastasio, University of Texas Medical Branch at Galveston, Galveston, TX

2:35 Brain-driven vulnerability to substance use disorders: Do brains make drug abusers?
Thomas J Crowley, University of Colorado School of Medicine, Aurora, CO

2:55 Interventions targeting endophenotypes of risk for addiction
Patricia Conrod, University of Montreal, Catherine Montreal, QC, Canada

Symposium X
Fiesta 10/14
2:15 - 3:15 PM

IMAGING THE MALE & FEMALE ADDICTED BRAIN: STRUCTURAL AND FUNCTIONAL DIFFERENCES AND IMPLICATIONS FOR PRECISION MEDICINE

Chairs: Cora Lee Wetherington and Will Aklin

2:15 Brain structure and function in female compared to male stimulant users with long-term abstinence
Jody Tanabe, University of Colorado Denver School of Medicine, Aurora, CO

2:35 Imaging the dopamine signature in tobacco smokers
Kelly Cosgrove, Yale University, New Haven, CT

2:55 Functional brain connectivity in addictions: The impact of sex and early trauma
Kathleen T. Brady, Medical University of South Carolina, Charleston, SC
Oral Communications 9

SON OF FLUBBER: CHEMISTRY

2:15 Tyrosine470 and 88 of human dopamine transporter are responsible for the allosteric modulatory effect of SRI-30827, SRI-20041 and HIV-1 Tat protein on dopamine transporter
J. Zhu1, W. Sun2, S. Ananthan3, C. Zhan4, 1Drug Discovery and Biomedical Sciences, South Carolina College of Pharmacy, University of South Carolina, Columbia, SC, 2Drug Discovery and Biomedical Sciences, University of South Carolina, Columbia, SC, 3Organic Chemistry, Southern Research Institute, Birmingham, AL

2:30 Oral JPC-077, a vesicular monoamine transporter-2 inhibitor, reduces methamphetamine self-administration across repeated treatments

2:45 Stereoselective differences in the reinforcing effects of “bath salts” constituent 3,4-methylenedioxyxpyrovalerone under a progressive ratio schedule of reinforcement in rats
B. M. Gannon1, K. Galindo1, K. Rice2, G. T. Collins1, 1Pharmacology, University of Texas Health Science Center at San Antonio, San Antonio, TX, 2Chemical Biology Research Branch, NIDA and NIAAA, Bethesda, MD, 3South Texas Veterans Health Care System, San Antonio, TX

3:00 Investigation of the κ-opioid receptor agonist CR845 and reference comparator, butorphanol, in rats trained to discriminate (-)pentazocine from saline
D. J. Heal1, J. Gosden2, N. Slater2, R. H. Spencer1, F. Menzaghi1, 1Cara Therapeutics, Shelton, CT, 2RenaSci Ltd, Nottingham, United Kingdom

Oral Communications 10

SHAWSHANK REDEMPTION: CRIMINAL JUSTICE

Chairs: Carlos C. Mahaffey and David S. Festinger

2:15 Attitudes and practices on the use of extended-release naltrexone in criminal justice settings
D. S. Festinger1, K. L. Dugosh1, D. R. Gastfriend3, C. Sierka1, 1Law and Ethics, Treatment Research Institute, Philadelphia, PA, 3Treatment Research Institute, Philadelphia, PA

2:30 An evaluation of opioid substitution treatment in prison on risk of mortality in period immediately after prison: Does leaving prison on OST reduce the risk of death?
G. Stillwell1, H. Jones2, J. Shaw1, M. Farrell1, J. Marsden1, 1National Addiction Centre, Institute of Psychiatry, Kings College London, London, United Kingdom, 2School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom, 3Institute of Brain, Behaviour and Mental Health, University of Manchester, Manchester, United Kingdom, 4National Drug and Alcohol Research Centre, University of New South Wales, Sydney, NSW, Australia

2:45 Alcohol and cocaine use and drug distribution among formerly incarcerated black men
C. C. Mahaffey2, D. Stevens-Watkins1, C. Leukefeld1, 1Spalding University, Louisville, KY, 2University of Kentucky, Lexington, KY, 3Behavioral Science, University of Kentucky, Lexington, KY
Tuesday, June 14, 2016

3:00  The Silk Road Health Project: The intersection between criminal justice involvement, substance use and HIV risks among migrant and non-migrant workers in Almaty, Kazakhstan
P. Marotta, N. El-Bassel, Columbia University, New York, NY

Symposium XI
Fiesta 6/8
3:30 - 5:30 PM

NOT YOUR AVERAGE JOINT: ALTERNATIVE METHODS OF CANNABIS ADMINISTRATION

3:30  Dose effects of oral cannabis administration
Ryan Vandrey, Johns Hopkins University School of Medicine, Baltimore, MD

3:54  Patterns of vaping cannabis among adolescent and adult cannabis users
Dustin C. Lee, Geisel School of Medicine at Dartmouth, Lebanon, NH

4:18  Routes of cannabis consumption as a function of clinical status
Marcel O. Bonn-Miller, VA Palo Alto Health Care System & University of Pennsylvania, Menlo Park, CA

4:42  Prevalence and correlates of cannabis vaping, smoking, and edible use among adolescents
Adam Leventhal, University of Southern California Keck School of Medicine, Los Angeles, CA

5:06  DISCUSSANT: Leveraging alternative methods of cannabis administration research to inform science, practice, and policy
Alan J. Budney, Geisel School of Medicine at Dartmouth, Lebanon, NH

Oral Communications 11
Fiesta 4
3:30 - 5:30 PM

DAYS OF WINE AND ROSES: ALCOHOL

Chairs: Elise M. Weerts and Erica McGrath

3:30  Regional- and sex-dependent effects of chronic ethanol and cocaine co-administration on adult neural stem cell survival and differentiation
E. McGrath1,3,4, P. Wu3, K. A. Cunningham1, T. Dunn3, J. Gao3, A. C. Grant3, K. Dineley2, J. Allende-labastida6, B. Kaphalia7, 1Center for Addiction Research, University of Texas Medical Branch, Galveston, TX, 2Neurology, University of Texas Medical Branch, Galveston, TX, 3Neuroscience and Cell Biology, University of Texas Medical Branch, Galveston, TX, 4Institute for Translational Science, University of Texas Medical Branch, Galveston, TX, 5Center for Addiction Research, University of Texas Medical Branch, Galveston, TX, 6Cell Biology, University of Texas Medical Branch, Galveston, TX, 7Toxicology, University of Texas Medical Branch, Galveston, TX

3:45  Comparison of the reinforcing efficacy of midazolam, ethanol, and mixtures of the two in male rats
D. Townsend1, J. K. Rowlett1,2, D. Platt1, K. Freeman1, 1University of Mississippi Medical Center, Jackson, MS, 2Comparative Pathology, Tulane National Primate Research Center, Covington, LA

4:00  Naltrexone reduces appetitive and consummatory responses to alcohol in a sex-dependent manner in rats
S. J. Nieto, K. J. Winoske, T. A. Kosten, Psychology, University of Houston, Houston, TX
4:15  *The peroxisome proliferator-activated receptor alpha agonist fenofibrate attenuates alcohol self-administration in rats*
   C. N. Haile1,2,3, T. A. Kosten1,2,3, 1Psychiatry, Baylor College of Medicine, Houston, TX, 2Psychology & TIMES, University of Houston, Houston, TX, 3Michael E. DeBakey VA Medical Center, Houston, TX

4:30  *Reduction of alcohol self-administration by 3-ISO-PBC*
   E. M. Weerts1, V.V.N.P.B. Tiruveedhulaand2, J. M. Cook2, 1Psychiatry and Behavioral Sciences, Johns Hopkins University, Baltimore, MD, 2Department of Chemistry & Biochemistry, University of Wisconsin Milwaukee, Milwaukee, WI

4:45  *Inhibitory processing predicts increases in binge-drinking behavior: A six-month longitudinal design*
   A. L. Paz2, J. Conniff1, D. Ferrato1, R. Gonzalez3, M. Rosselli1, 1Florida Atlantic University, Davie, FL, 2Neuropsychology, Florida Atlantic University, Miami, FL, 3Florida International University, Miami, FL

5:00  *Rates of homelessness and factors that predict them among homeless, alcohol-dependent adults in a therapeutic workplace clinical trial*
   A. Holtyn1, E. Carlson1, B. Jarvis2, M. Fingerhood1, K. Silverman2, 1Johns Hopkins, Baltimore, MD, 2Johns Hopkins University School of Medicine, Baltimore, MD

5:15  *Treatment for alcohol use disorders in seriously mentally ill adults using the ethyl glucuronide biomarker*
   M. G. McDonell1, E. Leickly1, S. McPherson1, D. Srebnik2, J. M. Roll1, R. Ries2, J. Skalisky1, 1Washington State University, Spokane, WA, 2University of Washington, Seattle, WA

**Oral Communications 12**

**DUE DATE: PERINATAL DRUG ABUSE**

Chairs: Loretta Finnegan and Qiana Brown

3:30  *Cannabis use during pregnancy for the United States, 2005-2013*
   O. Alshaarawy1,2, J. C. Anthony3, 1Epidemiology and Biostatistics, Michigan State University, East Lansing, MI, 2Epidemiology and Biostatistics, Indiana University, Bloomington, IN

3:45  *Trends in marijuana use among reproductive age women: 2002-2013*
   Q. Brown1, D. Shmulewitz1,2, S. S. Martins1, D. Hasin1,2, 1Columbia University, New York, NY, 2New York State Psychiatric Institute, New York, NY

4:00  *Marijuana doesn’t count: Is objective screening in obstetrics clinics needed to identify and assist pregnant marijuana users?*
   T. Northrup1, M. R. Klawans1, Y. Villarreal1, P. Berens2, A. Stotts1, 1Family and Community Medicine, University of Texas Health Science Center at Houston, Houston, TX, 2OB/GYN, University of Texas Health Science Center at Houston, Houston, TX

4:15  *Prevalence of prenatal cigarette smoking and marijuana use in North Delaware State*
   Y. Washio, R. Butler, N. D. Goldstein, M. K. Hoffman, Christiana Care Health Services, Newark, DE
Microstructural brain development in infants with prenatal stimulant exposure during first three months of age
L. Chang¹, K. Oishi², J. Skranes³, S. Buchthal¹, E. Cunningham¹, C. Jiang¹, D. Alicata¹,
R. Yamakawa¹, S. Hayama¹, T. Ernst¹, ¹University of Hawaii, John A. Burns School of Medicine, Honolulu, HI, ²Johns Hopkins Medicine, Baltimore, MD, ³Norwegian University Science and Technology, Trondheim, Norway

Bupropion therapy during pregnancy: Concentrations of the drug and its major metabolites in umbilical cord plasma and amniotic fluid
V. M. Fokina¹, H. West¹, C. Oncken², S. Clark¹, M. S. Ahmed¹, G. Hankins¹, T. Nanovskaya¹,
¹OB/GYN Maternal Fetal Medicine, University of Texas Medical Branch, Galveston, TX,
²University of Connecticut Health Center, Farmington, CT

Benzodiazepine and other illicit drug use during methadone-maintained pregnancies: 2002-2011
D. J. Hand, K. Kaltenbach, V. Short, D. J. Abatemarco, Pediatrics, Thomas Jefferson University, Philadelphia, PA

Factors associated with cocaine use in pregnancy
R. M. Nagarajan, X. Cai, C. Hine, B. Merry, K. A. Yonkers, Psychiatry, Yale University, New Haven, CT

Oral Communications 13
Fiesta 10/14
3:30 - 4:30 PM
MISERY: PAIN

Chairs: Launette M. Rieb and Caroline A. Arout

Pain as a predictor and consequence of tobacco withdrawal among African-American smokers
J. F. McBeth¹, J. Ditre², M. Kirkpatrick¹, L. Ray³, A. Leventhal⁴, ¹Preventive Medicine, University of Southern California, Camarillo, CA, ²Psychology, Syracuse University, Syracuse, NY, ³Psychology, University of California Los Angeles, Los Angeles, CA, ⁴Preventive Medicine, University of Southern California, Los Angeles, CA

Marijuana use in adults with sickle cell disease
A. Forray², J. Bozzo³, j. cole³, j. spodick³, J. D. Roberts¹, ¹Yale School of Medicine, New Haven, CT, ²Psychiatry, Yale School of Medicine, New Haven, CT, ³Yale-New Haven Hospital, New Haven, CT

Healed injury sites can hurt again during opioid withdrawal: A descriptive case series
L. M. Rieb²,¹, W. Norman², R. Martin³, J. Berkowitz²,⁴, E. Wood¹,⁵, M. Miloy¹,⁵, ¹BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada, ²Family Practice, University of British Columbia, Vancouver, BC, Canada, ³School of Population and Public Health, University of British Columbia, Vancouver, BC, Canada, ⁴Sauder School of Business, UBC, Vancouver, BC, Canada, ⁵Medicine, UBC, Vancouver, BC, Canada

Rates and correlates of specialized pain clinic use nationally in the Veterans Health Administration
C. A. Arout², M. Sofuoglu¹,³, R. A. Rosenheck²,³, ¹Psychiatry, Yale University, West Haven, CT, ²Psychiatry, Yale University School of Medicine, New Rochelle, NY, ³Mental Illness Research, Education, and Clinical Center, Veterans Health Administration, West Haven, CT
Oral Communications 14

CLEAN AND SOBER: WITHDRAWAL

Chairs: Scott E. Lukas and Meg Haney

4:45 Parallel changes in brain GABA levels, sleep and mood state during acute cocaine withdrawal: Predictors of “readiness for treatment”?  
S. E. Lukas2, C. Zuo2, N. Dias1, A. Janes2, J. Betts1, W. Tartarini1, M. L. Copersino2, D. Penetar2, 1McLean Hospital/Harvard Medical School, Belmont, MA, 2Psychiatry, McLean Hospital/Harvard Medical School, Belmont, MA

5:00 Nicotine withdrawal induces negative correlation in resting connectivity between insula and executive control networks in smokers  
A. L. Matous, J. Fedota, K. Slater, B. Salmeron, H. Gu, T. Ross, E. Stein, NIDA-IRP, Baltimore, MD

5:15 Premenstrual symptom severity and tobacco withdrawal, craving, and mood after overnight tobacco abstinence  
R. Pang1, A. Leventhal1, 1University of Southern California, Los Angeles, CA, 2Preventive Medicine, University of Southern California, Los Angeles, CA

5:30 Effects of zolpidem alone and in combination with nabilone on cannabis withdrawal and relapse among non-treatment-seeking cannabis users  
E. S. Herrmann, Z. Cooper, G. Bedi, D. Ramesh, S. C. Reed, S. D. Comer, R. Foltin, M. Haney, New York State Psychiatric Institute, New York, NY

Film Night

The Hungry Heart  
A documentary about prescription drug abuse  
Produced and directed by Bess O’Brien

MIT- Town Hall

Workshop X

Film Night

The Hungry Heart  
A documentary about prescription drug abuse  
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MIT- Town Hall

Workshop X

RESEARCH AND EMERGING STRATEGIES FOR PARENTS OF SUBSTANCE INVOLVED ADOLESCENTS AND YOUTH: RESULTS FROM NIDA’S PARENTS’ TRANSLATIONAL RESEARCH CENTER

Chairs: Kimberly C. Kirby and Elena Bresani

Addressing adolescent substance use: Parental perspectives  
Brenda L Curtis, Department of Psychiatry, University of Pennsylvania School of Medicine, Philadelphia, PA

Quality indicators for adolescent SAT: The consumer guide to adolescent treatment  
Kathleen Meyers, Treatment Research Institute, Philadelphia, PA
Adolescent treatment for substance abuse: What goes on outside of specialty treatment?
Mary Tabit, Treatment Research Institute, Philadelphia, PA

Community reinforcement and family training (CRAFT) for parents: Efficacy and online training program
Kimberly C Kirby, Departments of Psychology and Biomedical Sciences, Rowan University, Glassboro, NJ

Discussant: Making sense of needs and quality treatment
David R Gastfriend, American Society of Addiction Medicine, Newtown Center, ME

Workshop XI

Sunday, June 14, 2016
5:00 - 7:00 PM
Fiesta 10/14

ANNUAL CPDD DESIGN AND ANALYSIS WORKSHOP

Chairs: Sterling M. McPherson and Susan K. Mikulich-Gilbertson

Potential peril lurking in substance variables that are ratios
Susan Kay Mikulich-Gilbertson, University of Colorado Anschutz Medical Center, Aurora, CO

Testing invariance of growth models to examine gender differences in substance use outcomes from clinical trials
Celestina Barbosa-Leiker, Washington State University, College of Nursing, Spokane, WA

Issues in the measurement and analysis of health-related quality of life in populations with substance use disorders
Bohdan Nosyk, BC Centre for Excellence in HIV/AIDS, Vancouver BC, BC, Canada

An introduction to machine learning and potential uses in substance use research
Daniel J. Feaster, University of Miami Miller Schoo of Medicine, Miami, FL

Toward precision addiction medicine: Applying machine learning techniques to predict and model treatment response on an individual level
Sean Luo, Columbia University, New York, NY

Workshop XII

Monday, June 14, 2016
5:00 - 7:00 PM
Fiesta 4

EDUCATION IN DRUG ABUSE

Chairs: Michael Kuhar and Jack Stein

Online degree programs
Robert Balster, Virginia Commonwealth University, Richmond, VA

Those amazing MOOCs
Michael Kuhar, Emory University, Atlanta, GA

Available knowledge: What should a physician/scientist in the 21st century know?
Bertha Madras, Harvard University, Belmont, ME

Discussant: Discovering NIDA’s research portfolio
Jack Stein, National Institute on Drug Abuse, Bethesda, MD
Workshop XIII

REGULATORY AND METHODOLOGICAL CONSIDERATIONS IN THE EVALUATION OF DRUG DEPENDENCE IN THE PRECLINICAL AND CLINICAL SETTING

Chairs: Beatrice Setnik and Michael Klein

Regulatory and methodological considerations in the assessment of drug dependence and withdrawal in humans
Alicja Lerner, Controlled Substances Staff, FDA, Silver Spring, MD

Untangling dependence, tolerance, and addiction – An examination of definitions and diagnostic criteria
Jack Henningfield, Pinney Associates, The Johns Hopkins School of Medicine, Bethesda, MD

An overview of preclinical models to assess physical and psychological dependence and their translation to the clinic
David John Heal, RenaSci, Ltd, BioCity, Nottingham, United Kingdom

Analyzing and interpreting adverse events related to withdrawal and dependence
Sian Ratcliffe, Pfizer Inc., Groton, CT

DISCUSSANT: Practical considerations for the assessment of drug dependence in animal, patient and healthy volunteer populations
Beatrice Setnik, INC Research, Raleigh, NC
Population Neuroscience

TOWARDS POPULATION NEUROSCIENCE

Chairs: Carlos Blanco and A. Roger Little

Priorities within the division of neuroscience and behavior: Overview and opportunities
A. Roger Little, NIDA, Bethesda, MD

Research priorities for epidemiology, services and prevention
Carlos Blanco, NIDA, Bethesda, MD

Animal Forum

STUDYING ADDICTION IN MALE AND FEMALE

Chairs: Marilyn E. Carroll and Mark S. Todtenkopf

Sex influences on brain and body: An issue whose time has come
Larry Cahill, UC Irvine, Irvine, CA

Sex differences in behavioral dyscontrol, addiction and treatment: Translation from animals to humans
John R. Smethells, Department of Psychiatry and Postdoctoral Program on Pharmaco-Neuro-Immunology, Minneapolis, MN

Power analysis for animal studies of sex differences in addiction
Mark S Todtenkopf, Alkermes, Inc., Waltham, ME

Symposium XII

MEDICINAL CHEMISTRY OF NOVEL KAPPA OPIOID RECEPTOR LIGANDS

Chairs: Ivy Carroll and Thomas Prisinzano

10:15 Small changes in macrocyclic tetrapeptide structure have significant impact on opioid activity in vivo
Jane Aldrich, University of Florida, Gainesville, FL

10:39 Development of neoclerodane-based drug abuse medication
Thomas Prisinzano, University of Kansas, Lawrence, KS

11:03 Biased kappa opioid receptor ligands: Chemistry, pharmacology, and physiology
Jeff Aubé, University of North Carolina, Chapel Hill, NC

11:27 New JDTic analogs as potential pharmacotherapies for treating substance abuse
Ivy Carroll, Research Triangle Institute, Research Triangle Park, NC

11:51 DISCUSSANT:
Linda P Dwoskin, University of Kentucky, Lexington, KY
Symposium XIII

BIO-BEHAVIORAL RESEARCH ON HIV AMONG PEOPLE WHO USE DRUGS

Chairs: Christina S. Meade and Adam Carrico

10:15 Bio-behavioral outcomes from the women’s health CoOp: The seek, test, treat and retain model in Pretoria, South Africa
Wendee Wechsberg, RTI International, Research Triangle Park, NC

10:39 Prospects of ending the HIV epidemic among people who inject drugs in Haiphong, Vietnam
Don Des Jarlais, Icahn School of Medicine at Mount Sinai, New York, NY

11:03 Impact of HIV infection and cocaine dependence on decision-making processes: Results from a functional neuroimaging study
Christina S Meade, Duke University, Durham, NC

11:27 Optimizing biomedical approaches to HIV prevention with substance-using men who have sex with men
Adam Carrico, University of California San Francisco, San Francisco, CA

11:51 DISCUSSANT: NIH and NIDA priorities for HIV/AIDS research
Shoshana Kahana, National Institute on Drug Abuse, Bethesda, MD

Oral Communications 15

A BEAUTIFUL MIND: CO-MORBIDITIES

Chairs: Marc Auriacombe and Cathryn Glanton Holzhauer

10:15 How psychiatric comorbidity and mood states influence craving and substance use in daily life? An ecological momentary assessment study in patients with alcohol, tobacco, cannabis and heroin use disorders
F. Serre², M. Fatseas², J. Swendsen³, M. Auriacombe², ²Addiction Psychiatry (CNRS USR 3413), Universite Bordeaux, Bordeaux, France, ³CNRS UMR 5287 - INCIA, Univ. Bordeaux, Bordeaux, France

10:30 Are greater consequences in polysubstance-using women related to anxiety?
C. Glanton Holzhauer¹, E. Wulfert², ¹Psychiatry, University of Massachusetts Medical School, Worcester, MA, ²Psychology, University at Albany, SUNY, Albany, NY

10:45 Prevalence and correlates of hazardous alcohol use and co-occurring mental health problems in Nepal following the 2015 earthquakes
J. C. Kane¹, N. Luitel², M. J. Jordans³,⁴, B. A. Kohrt⁵, M. Greene¹, W. A. Tol¹,⁶, ¹Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, ²Transcultural Psychosocial Organization, Kathmandu, Nepal, ³Research and Development, Healthnet TPO, Amsterdam, Netherlands, ⁴Centre for Global Mental Health, Institute of Psychiatry, Psychology and Neuroscience, Kings College, London, United Kingdom, ⁵Duke Global Health Institute, Duke University, Durham, NC, ⁶Peter C. Alderman Foundation, Bedford, NY
11:00  
**1-Year post-treatment outcomes from a RCT of a behavioral activation treatment for substance use and depression**  
K. A. Johnson, C. Seitz-Brown, K. Anderson, D. Degeorge, E. Blevins, S. B. Daughters, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill, Chapel Hill, NC

11:15  
**Neuropharmacological investigation of withdrawal-induced inhibitory control deficits among smokers with ADHD**  

11:30  
**The prevalence of adult attention deficit/hyperactivity disorder among treatment-seeking problem gamblers**  
L. Brandt\(^1\), G. Fischer\(^1,2\), \(^1\)Center for Public Health, Medical University of Vienna, Vienna, Austria, \(^2\)Department for Psychiatry and Psychotherapy, Medical University of Vienna, Vienna, Austria

11:45  
**Internalizing symptoms and conduct problems: Redundant, incremental, or interactive risk factors for substance use during the first year of high school?**  
R. Khoddam\(^1\), N. Jackson\(^1\), A. Leventhal\(^2\), \(^1\)Psychology, University of Southern California, Los Angeles, CA, \(^2\)Preventive Medicine, University of Southern California, Los Angeles, CA

12:00  
**Anxiety and depression as predictors of long-term abstinence among stimulant-dependent outpatients in a clinical trial of concurrent smoking cessation and substance abuse treatment**  
K. Sanchez\(^1,2\), \(^1\)School of Social Work, University of Texas at Arlington, Arlington, TX, \(^2\)Psychiatry, University of Texas Southwestern Medical Center, Dallas, TX

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**Oral Communications 16**

**THE SOCIAL NETWORK**

Chairs: Warren K. Bickel and Deena Peyser

10:15  
**The effects of social contact on “binge” cocaine self-administration**  
A. M. Robinson\(^3\), R. Lacy\(^1\), J. C. Strickland\(^2\), C. P. Magee\(^3\), M. A. Smith\(^3\), \(^1\)Psychology, Franklin and Marshall, Lancaster, PA, \(^2\)University of Kentucky, Lexington, KY, \(^3\)Psychology, Davidson College, Davidson, NC

10:30  
**Prosocial effects and neurotoxicity of (−)-3,4-methylenedioxymethamphetamine in mice**  
D. Curry, A. Belkoff, L. Howell, Yerkes National Primate Research Center, Emory University, Atlanta, GA

10:45  
**Social reinstatement: A rat model of peer-induced relapse**  
V. G. Weiss\(^2\), J. R. Yates\(^1\), M. T. Bardo\(^1\), \(^1\)Experimental Psychology, University of Kentucky, Lexington, KY, \(^2\)Psychology, University of Kentucky, Lexington, KY

11:00  
**Social facilitation of alcohol effects predicts self-reported progression of use in adolescents**  
M. Kirkpatrick, R. Pang, M. Stone, A. Leventhal, Preventive Medicine, University of Southern California, Los Angeles, CA

11:15  
**Social networks, support, and alcohol use among late middle-aged and older adults**  
S. Kim\(^3\), S. Spilman\(^2\), D. Liao\(^3\), P. Sacco\(^3\), A. Moore\(^3\), \(^1\)UCLA Integrated Substance Abuse Programs, Los Angeles, CA, \(^2\)University of California, Los Angeles, Los Angeles, CA, \(^3\)University of Maryland, Baltimore, MD
Wednesday, June 15, 2016

11:30 Age- and gender-specific impacts of social influences on last 30 day marijuana use  
J. E. Goldstick, Q. Epstein-Ngo, J. Heinze, H. Hsieh, M. Walton, R. Cunningham, 
M. Zimmerman, University of Michigan, Ann Arbor, MI

11:45 Do as I say, not as I do: A unique social support network among women, but not men, seeking treatment for alcohol and drug use disorders  
D. Peyser, J. Buckman, L. Banu, M. Bates, Psychology, Rutgers University, Piscataway, NJ

12:00 The social interactome of recovery: Network topology influences social media engagement  
W. K. Bickel¹, A. Quisenberry¹, P. Chandrasekar², M. N. Koffarnus¹, E. A. Fox², C. Franck²,  
¹Addiction Recovery Research Center, Virginia Tech Carilion Research Institute, Roanoke, VA, ²Virginia Tech, Blacksburg, VA

Poster Session III  
(Lunch)  
Odd-numbered posters manned first hour;  
Even-numbered, second hour

Set-up time begins Tuesday, 1 PM  
Must be removed by Wednesday 12:00 PM

OPIOID TREATMENT

1 Gender differences in timing of reminder messages for automated, CBT-based treatment for methadone  
D. M. Printz¹, F. D. Buono¹, D. P. Lloyd², S. Reichin², B. A. Moore¹, ¹Psychiatry, Yale University, New Haven, CT, ²APT Foundation, New Haven, CT

2 Predicting craving and mood 90 minute into the future using GPS data  
W. J. Kowalczyk¹, M. Tyburski¹, M. Vahabzadeh¹, J. Lin¹, K. A. Phillips¹, A. J. Milam²,  
D. M. Furr-Holden², M. Mezghanni¹, D. H. Epstein¹, K. L. Preston¹, ¹NIDA, IRP, Baltimore, MD, ²Johns Hopkins, Baltimore, MD

3 Evaluation of tailored therapeutic recommendations to improve use of an automated telephone-based treatment for methadone  
D. P. Lloyd¹, D. M. Printz², F. D. Buono³, S. Reichin¹, B. A. Moore², ¹APT Foundation, New Haven, CT, ²Psychiatry, Yale University School of Medicine, New Haven, CT, ³Psychiatry, Yale University, New Haven, CT

4 Finding a needle in the haystack: Using machine learning to predict overdose in opioid users  
B. S. Crosier¹, J. Borodovsky², P. Mateu-Gelabert³, H. Guarino⁴, ¹Center for Technology and Behavioral Health, Dartmouth College, West Windsor, VT, ²Psychiatry, Dartmouth College, Hanover, NH, ³NDRI, Inc., New York, NY, ⁴National Development & Research Institutes, New York, NY

5 Gender differences in methadone dose patterns and length of treatment in outpatient methadone maintenance treatment programs  
J. A. Frimpong¹, K. Shiu², T. D’Aunno³, H. Pollack⁴, P. Friedmann⁵, ¹Columbia University, New York, NY, ²Sociomedical Sciences, Columbia University, New York, NY, ³New York University, New York, NY, ⁴University of Chicago, Chicago, IL, ⁵Baystate Health, Springfield, MA

6 Measuring circadian entrainment during outpatient opioid agonist maintenance  
J. W. Bertz¹, D. H. Epstein¹, M. Rea², M. G. Figueiro², G. Ward², K. L. Preston¹, ¹Clinical Pharmacology and Therapeutics Research Branch, NIDA Intramural Research Program, Baltimore, MD, ²Lighting Research Center, Rensselaer Polytechnic Institute, Troy, NY
7 A randomized trial of patient-centered methadone treatment with optional counseling
   R. P. Schwartz1, S. M. Kelly1, J. Gryczynski1, K. O’Grady2, D. Gandhi3, Y. Olsen4, J. H. Jaffe1,
   S. G. Mitchell1, 1Friends Research Institute, Baltimore, MD, 2Univ. of Maryland, College
   Park, MD, 3IRB REACH, Baltimore, MD, 4Psychiatry, Univ. of Maryland, Baltimore, MD

8 Fair hearing outcomes for patients recommended discharge from methadone maintenance

9 A systematic review of opioid agonist treatments for pharmaceutical opioid dependence
   S. Nielsen3,2, B. Larance3, L. Degenhardt3, L. Gowing1, N. Lintzeris2,4, 1University of Adelaide,
   Adelaide, SA, Australia, 2South Eastern Sydney Local Health District, Sydney, NSW,
   Australia, 3UNSW Australia, Sydney, NSW, Australia, 4University of Sydney, Sydney, NSW,
   Australia

10 The impact of psychopharmacotherapy on disenrollment from office-based opioid treatment
    with buprenorphine
   Z. M. Weinstein1,2, D. M. Cheng1, E. Quinn1, D. Hui1, H. Kim1, G. Gryczynski1,2, C. Labelle1,2,
   J. H. Samet1,2, 1Boston University, Boston, MA, 2Boston Medical Center, Boston, MA

11 Urine drug testing for patients on buprenorphine: Informative beyond self-reported cocaine and
    opioid use?
   S. M. Bagley2, D. M. Cheng3, M. R. Winter1, D. Alford3, C. Labelle3, A. Y. Walley1,
   J. H. Samet3, 1General Internal Medicine, Boston Univ, Boston, MA, 2Medicine, Boston
   University School of Medicine, Boston, MA, 3Boston University Medical Center/Boston
   Medical Center, Boston, MA, 4Boston University School of Public Health, Boston, MA

12 Within-subject evaluation of interim buprenorphine vs. waitlist on illicit opioid use
   T. A. Ochalek5, J. D. Pusey5, B. Hruska1, S. H. Heil1, S. Higgins1, G. Rose1, B. A. Moore4,
   S. C. Sigmon1, 1Psychiatry, The University of Vermont, Burlington, VT, 4Psychiatry, Yale
   University School of Medicine, New Haven, CT, 5Psychology, University of Vermont,
   Burlington, VT

13 Safety of combination buprenorphine/naloxone and extended-release naltrexone
   R. Lindblad1, A. Saxon3, P. VanVeldhuisen1, L. Lu1, L. Hu1, A. Hasson2, C. Thomas2,
   S. Sparenborg4, L. Mooney3, W. Ling2, 1EMMES, Rockville, MD, 2UCLA, Los Angeles, CA,
   3VA, Seattle, WA, 4NIDA, Rockville, MD

14 “The devil I know is better than the devil I don’t know”: Enrollment in a pilot trial of opioid
dose escalation vs. buprenorphine/naloxone for pain
   A. Manhapra, D. A. Fiellin, W. Becker, Yale University, New Haven, CT

15 Improving buprenorphine treatment outcomes with the L-type calcium channel blocker
    isradipine
   A. Oliveto1, J. McGaugh1, J. B. Guise1, J. D. Thostenson2, M. J. Mancino1, 1Psychiatry,
   University of Arkansas for Medical Sciences, Little Rock, AR, 2Biostatistics, University of
   Arkansas for Medical Sciences, Little Rock, AR

16 Sensitivity analysis of a comparative trial of 6-month buprenorphine implants (Probuphine) and
    sublingual buprenorphine in stable opioid-dependent patients
   R. Rosenthal2, M. R. Lofwall1, S. Kim3, M. Chen4, K. Beebe3, F. Vocci6, 1University of
   Kentucky, Lexington, KY, 2Psychiatry, Icahn School of Medicine, New York, NY, 3Braeburn
   Pharmaceuticals, Princeton, NJ, 4TCM Groups, Berkeley Heights, NJ, 5Titan Pharmaceuticals,
   South San Francisco, CA, 6Friends Research Institute, Baltimore, MD
17 *Pregabalin for opioid detoxification: Interim results*
   E. Krupitsky¹, R. Ilyuk¹, A. Mikhailov¹, K. Kazankov¹, K. Rybakova¹, O. Grishina¹,
   I. Zaplatkin⁴, D. Langelben³, G. E. Woody³, ¹St. Petersburg VM Bekhterev Research
   Psychoneurological Institute, St. Petersburg, Russian Federation, ³Psychiatry, University of
   Pennsylvania Perelman School of Medicine, Philadelphia, PA, ⁴Murmansk Regional Addiction
   Hospital, Murmansk, Russian Federation

18 *The effect of substance use disorders on the association between guideline-concordant long-
   term opioid therapy and all-cause mortality*
   J. R. Gaither¹, J. Goulet¹, W. Becker¹, S. Crystal³, E. J. Edelman¹, K. S. Gordon²,
   R. Kerns¹, D. Rimland⁴, M. Skanderson³, A. Justice¹, D. A. Fiellin¹, ¹Yale, New Haven, CT,
   ²VA, West Haven, CT, ³Rutgers, New Brunswick, NJ, ⁴Emory, Atlanta, GA

19 *Increasing medication use for alcohol and opioid disorders through organizational change*
   J. H. Ford², A. Abraham⁴, N. Lupulescu-Mann⁵, R. Croff³, K. Johnson², M. Chalk⁶,
   L. Schmidt⁴, D. McCarty¹, ⁶CB 669 PHPM, Oregon Health & Science Univ, Portland, OR,
   ²University of Wisconsin-Madison, Madison, WI, ³Public Health & Preventive Medicine, 
   Oregon Health & Science University, Portland, OR, ⁴University of Georgia, Athens, GA,
   ⁵OHSU, Portland, OR, ⁶TRI, Philadelphia, PA

20 *Pay for performance and treatment outcome in medication-assisted treatment*
   E. Loscalzo, A. Levit, R. Sterling, S. Weinstein, Psychiatry and Human Behavior, Thomas
   Jefferson University, Philadelphia, PA

21 *Injection heroin use and methadone maintenance treatment outcomes*
   D. M. Ledgerwood¹, J. J. Lister², B. V. LaLiberte¹, M. Greenwald¹, ¹Psychiatry, Wayne State
   School of Medicine, Detroit, MI, ²Wayne State University, Detroit, MI

22 *Comparison of risk behavior, addiction severity, and history of overdose between active and
   agonist-maintained heroin users*
   B. Todhunter¹, K. Wehmeyer¹, J. D. Jones³, S. D. Comer², ¹Psychology, Columbia
   University, Teachers College, New York, NY, ²Psychiatry, Columbia University and NYSPI,
   New York, NY, ³Division of Substance Abuse, New York Psychiatric Institute, Columbia
   Medical School, New York, NY

23 *Modeling heroin careers over 40 years: Social costs*
   A. Ritter¹, V. Hoang¹, V. Cao³, M. Shanahan¹, N. Shukla³, P. Perez³, M. Farrell², ¹Drug Policy
   Modelling Program, University of New South Wales, Sydney, NSW, Australia, ²NDARC, 
   UNSW, Sydney, NSW, Australia, ³SMART Infrastructure Facility, University of Wollongong,
   Wollongong, NSW, Australia

24 *Baseline predictors of outpatient induction onto extended-release naltrexone*
   V. A. Barbieri², K. Mishlen¹, M. Sullivan⁴, A. Bisaga², ¹Substance Abuse, Columbia
   University, New York, NY, ²Substance Abuse, Columbia University/ New York State
   Psychiatric Institute, New York, NY, ³Columbia University, New York, NY, ⁴Alkermes, Inc.,
   Waltham, MA

25 *Opioid use following an outpatient detoxification and induction onto XR-NTX: Testing the
   blockade as a predictor of retention in treatment*
   K. Mishlen¹, V. A. Barbieri¹, M. A. Sullivan², A. Bisaga¹, ¹Substance Abuse, Columbia
   University/ New York State Psychiatric Institute, New York, NY, ²Alkermes, Inc.,
   Waltham, MA, ³Columbia University, New York, NY

26 *Employment-based reinforcement of naltrexone adherence in unemployed heroin users: Effects
   on opiate use*
   B. Jarvis, A. Holtyn, A. DeFulio, A. Umbricht, M. Fingerhood, G. Bigelow, K. Silverman,
   Johns Hopkins University School of Medicine, Baltimore, MD
27 Developing home-based continuing care: Exploring feasibility and acceptance with parents and young adults
   K. Zentgraf\(^1\), D. Zaslav\(^1\), E. Bresani\(^1\), K. Meyers\(^1\), M. Tabit\(^1\), K. C. Kirby\(^{1,2,3}\), \(^1\)Treatment Research Institute, Philadelphia, PA, \(^2\)Psychology, Rowan University, Glassboro, NJ, \(^3\)Psychiatry, University of Pennsylvania, Philadelphia, PA

28 A pilot trial of two models of clinical supervision of integrated cognitive behavioral therapy for PTSD and substance use disorders
   A. Meier\(^1\), M. P. McGovern\(^2\), C. Lambert-Harris\(^1\), B. McLeam\(^3\), E. Saunders\(^4\), \(^1\)Psychiatry, Geisel School of Medicine at Dartmouth, Lebanon, NH, \(^2\)Psychiatry and Community & Family Medicine, Geisel School of Medicine at Dartmouth, Lebanon, NH, \(^3\)Psychiatric Research Center, Geisel School of Medicine at Dartmouth, Lebanon, NH

GENETICS

29 Gene variants of the dopaminergic system are associated with non-dependent heroin use and heroin dependence
   M. Randesi\(^1\), O. Levran\(^1\), J. Ott\(^1\), P. Blanken\(^2\), W. van den Brink\(^2\), J. M. van Ree\(^2\), M. Kreek\(^1\), \(^1\)The Rockefeller University, New York, NY, \(^2\)Central Committee on the Treatment of Heroin Addicts, Utrecht, Netherlands

30 RNA-seq analysis: Differential transcriptome in the dorsal and ventral striatum in male C57BL/6J mice after chronic oxycodone self-administration
   Y. Zhang\(^1\), Y. Liang\(^2\), M. Randesi\(^1\), O. Levran\(^1\), V. Yuferov\(^1\), M. Kreek\(^1\), \(^1\)The Laboratory of the Biology of the Addictive Diseases, The Rockefeller University, New York, NY, \(^2\)Hospital Informatics, The Rockefeller University, New York, NY

31 Unbiased gene profiling of the rhesus macaque mesolimbic system following long-term cocaine self-administration
   E. J. Vallender\(^{1,2,3}\), D. Goswami\(^3\), N. M. Shinday\(^4\), S. Westmoreland\(^3\), W. D. Yao\(^3\), J. K. Rowlett\(^{1,2,3}\), \(^1\)University of Mississippi Medical Center, Jackson, MS, \(^2\)Tulane National Primate Research Center, Covington, LA, \(^3\)Harvard Medical School, Southborough, MA

32 The role of dopaminergic system on crack-cocaine addiction: DRD2 and DRD4 genes and their individual and interaction effects
   A. R. Stolf\(^2\), J. B. Schuch\(^1\), D. Muller\(^1\), G. C. Akutagava-Martins\(^1\), C. Szobot\(^1\), F. P. Pechansky\(^2\), F. P. Kessler\(^2\), T. Roman\(^1\), \(^1\)Post Graduate Program in Genetics and Molecular Biology / Department of Genetics, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, \(^2\)Center for Drug and Alcohol Research, HCPA/UFRGS, Porto Alegre, Brazil, \(^3\)Child and Adolescent Psychiatric Service / Hospital de Clínicas de Porto Alegre, Federal University of Rio Grande do Sul, Porto Alegre, Brazil

33 No association between crack-cocaine addiction and COMT Val/Met polymorphism
   T. Roman\(^3\), A. R. Stolf\(^2\), J. B. Schuch\(^2\), D. Muller\(^3\), G. C. Akutagava-Martins\(^3\), C. Szobot\(^1\), F. P. Pechansky\(^2\), F. P. Kessler\(^2\), \(^1\)Child and Adolescent Psychiatric Service / Hospital de Clínicas de Porto Alegre, UFRGS, Porto Alegre, Brazil, \(^2\)Center for Drug and Alcohol Research / HCPA, UFRGS, Porto Alegre, Brazil, \(^3\)Post Graduate Program in Genetics and Molecular Biology / Department of Genetics, Federal University of Rio Grande do Sul, Porto Alegre, Brazil

REWARD & PUNISHMENT

34 Cocaine increases permeability of blood-brain-barrier in the hippocampus and striatum: Implications for drug use and abuse
   A. L. Riley\(^1\), D. Kearns\(^2\), S. Hargrave\(^1\), T. Davidson\(^1\), \(^1\)Psychology, American University, Washington, DC, \(^2\)Psychology, American University, Washington, MD
35 Measuring sign-tracking in humans: The promise and pitfalls of translation
M. Wardle1, S. Flagel2, P. Lopez-Gamundi1, C. Amador1, 1Psychiatry and Behavioral Science, University of Texas Health Science Center at Houston, Houston, TX, 2Psychiatry, University of Michigan, Ann Arbor, MI

36 Age-related differences in licking microstructural indices of incentive motivation and hedonic impact in rats
I. A. Mendez1, N. Murphy1, S. Ostlund1, N. Maidment1, 1Psychiatry and Biobehavioral Sciences, UCLA, Los Angeles, CA, 3Anesthesiology and Perioperative Care, UCI, Irvine, CA

37 Extended vs. brief intermittent access to palatable food differently promote binge-like intake and rejection of less preferred food in female rats
A. Kreisler, E. Zorrilla, Committee on the Neurobiology of Addictive Disorders, The Scripps Research Institute, San Diego, CA

38 The highly selective 5-HT2C receptor agonist WAY163909 reduces compulsive behavior and food intake in female rhesus monkeys
M. Perez Diaz2, L. Howell2,1, M. Wilson2,3, 1Neuropharmacology and Neurologic Diseases, Emory University, Atlanta, GA, 2Yerkes National Primate Research Center, Emory University, Atlanta, GA, 3Psychiatry and Behavioral Sciences, Emory University, Atlanta, GA

39 Comparison of the effects of psychostimulant drugs of abuse on brain endothelial barrier integrity and extracellular microvesicle production
A. M. Andrews1,2, S. Merkel1,2, E. Lutton1, C. Hicks2, S. Rawls2, S. Ramirez1,2,3, 1Pathology and Laboratory Medicine, Temple University, Philadelphia, PA, 2Center for Substance Abuse Research, Temple University, Philadelphia, PA, 3The Shriners Hospitals Pediatric Research Center, Philadelphia, PA

40 PPARγ agonism to treat white matter damage in cocaine use disorder
A. Dimet1,3, L. Denner1, R. Miller1,3, K. A. Cunningham1,3, M. Huentelman4, S. D. Lane2, K. Dineley1,3, 1UTMB, Galveston, TX, 2Psychiatry & Behavioral Sciences, University of Texas Health Science Center - Houston, Houston, TX, 3Center for Addiction Research, University of Texas Medical Branch, Galveston, TX, 4Translational Genomics Research Institute, Phoenix, AZ

41 The effects of repeated cocaine administration on the surface expression of glutamate receptor subunits in the medial prefrontal cortex
J. D. Steketee, K. C. Summers, Pharmacology, University of Tennessee Health Science Center, Memphis, TN

42 Combining multiple schedules of reinforcement with glutamate biosensors to examine the effects of cocaine and food on prelimbic glutamatergic signaling in freely moving rats
S. R. Batten, J. S. Beckmann, Psychology, University of Kentucky, Lexington, KY

43 DREADD-induced activation of agranular insular cortex decreases cue reactivity associated with self-administration of high fat pellets
A. E. Price1, S. J. Stutz1, H. Neelakantan1, N. C. Anastasio1,2, K. A. Cunningham1,2, 1Center for Addiction Research, UTMB, Galveston, TX, 2Department of Pharmacology & Toxicology, UTMB, Galveston, TX

44 Estradiol increases choice of cocaine over food in male rats: The effect of estradiol on cocaine choice generalizes to both sexes
J. R. Bagley, T. E. Kippin, Psychological and Brain Sciences, University of California at Santa Barbara, Santa Barbara, CA
45 Comparative analysis of transcriptomics and proteomics of environmental enrichment and cocaine
E. Crofton, Y. Zhang, F. Kong, B. Luxon, H. Spratt, C. F. Lichti, T. Green, University of Texas Medical Branch, Galveston, TX

46 Preexposure attenuates methylphenidate-induced taste avoidance, but enhances BDNF/TrkB activity in the insular cortex of the rat
B. B. Wetzell2, M. Muller1, S. M. Flax3, H. E. King3, K. DeCicco-Skinner4, A. L. Riley, 2Psychopharmacology Laboratory, American University, Washington, DC, 3Psychology Department, American University in Washington DC, Washington, DC, 4Biology, American University, Washington, DC

47 Across time and space: Independent component analysis reveals spatial and temporal differences in functional brain networks between cocaine and alcohol users
T. Kearney-Ramos, L. T. Dowdle, O. Mithoefer, C. Mullins, W. DeVries, M. George, C. A. Hanlon, Medical University of South Carolina, Charleston, SC

48 An analysis of the rewarding and aversive associative effects of nicotine in the neonatal quinpirole model of schizophrenia: Underlying mechanisms and the effects of antipsychotics
S. Kirby1, A. R. Denton1, D. J. Peterson1, E. D. Cummins1, J. M. Dose3, R. W. Brown2, 1Psychology, East Tennessee State University, Johnson City, TN, 2Biomedical Sciences, East Tennessee State University, Johnson City, TN, 3Psychology, St. Norbert College, De Pere, WI

ALCOHOL

49 Evaluation of CERC-501, a selective kappa opioid antagonist in preclinical models of alcoholism
D. R. Gehlert2,1, L. Rorick-Kehn3, A. Thorsell4, B. Paterson1, M. Heilig2, 1Cerecor, Baltimore, MD, 2Matrix Pharma Consulting, Boulder, CO, 3Lilly Research Laboratories, Indianapolis, IN, 4Linkoping University, Linkoping, Sweden

50 Extended-release vs. oral naltrexone for alcohol dependence treatment in primary care
J. Chen1, R. D. McDonald1, R. Obi1, S. Wong1, M. Flannery1, B. Tofighi1, A. Kermack1, J. Rotrosen3, M. Gourevitch1, J. D. Lee1, 1Population Health, New York University, New York, NY, 2Psychiatry, New York University, New York, NY

51 Alexithymia in alcohol-dependent patients is mediated by stress, anxiety and loss of self-control over drinking
F. A. Thorberg1,6,2, R. M. Young2, M. Lyvers4, J. Connor1, R. Tyssen6, E. London1, G. Feeney7, 1Natnl Cntr Dual Diagnosis, Innlandet Hosp Trust, Ottestad, Norway, 2Qld Univ Technol, Brisbane, QLD, Australia, 3Univ Calif Los Angeles, Los Angeles, CA, 4Bond Univ, Gold Coast, QLD, Australia, 5Univ Qld, Brisbane, QLD, Australia, 6Behav Sciences in Medicine, Univ Oslo, Oslo, Norway, 7Princess Alex Hosp, Brisbane, QLD, Australia

52 Similarities across addictive processes: Cross-commodity discounting of alcohol, food, and money
L. Moody1, W. K. Bickel2, 1Virginia Tech, Roanoke, VA, 2Addiction Recovery and Research Center, Virginia Tech Carilion Research Institute, Roanoke, VA

53 The worse get better: Instruction following improves among the alcohol dependent rate dependently
S. E. Snider, S. M. LaConte, W. K. Bickel, Addiction Recovery Research Center, Virginia Tech Carilion Research Institute, Roanoke, VA

54 Prevalence and predictors of alcohol withdrawal delirium in a Thai university hospital
R. Kalayasiri, P. Sareedenchai, Psychiatry, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand
Husband/partner intoxication and intimate partner violence against women in the Philippines
B. T. Kerridge, Epidemiology, Columbia University, Gaithersburg, MD

Alcohol use and intimate partner violence among women and their partners in sub-Saharan Africa
M. Greene1, D. M. Furr-Holden2, W. A. Tol1, 1Mental Health, Johns Hopkins Bloomberg School of Public Health, Washington, DC, 2Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Histories of alcohol dependence, perceived stress, and depression among people living with HIV
L. M. Kaplan1, G. Ironson2, 1School of Public Health, UC Berkeley, Alcohol Research Group, Emeryville, CA, 2Psychology, University of Miami, Miami, FL

Using a lifetime relationships calendar with veterans to model the effects of military deployment on sexual partnering
M. I. Rosen1,2, A. C. Black1,2, T. McMahon1,2, L. Brecht3, M. N. Potenza1,2, 1Psychiatry, Yale University, West Haven, CT, 2VA Connecticut Healthcare System, West Haven, CT, 3School of Nursing, UCLA, Los Angeles, CA

Associations between intervention intensity and underage drinking outcomes: A methodological approach from the Kansas SPF-SIG
K. D. Anderson-Carpenter1, J. Watson-Thompson2, M. Jones3, L. Chaney4, 1Integrated Substance Abuse Programs, University of California, Los Angeles, Los Angeles, CA, 2The University of Kansas, Lawrence, KS, 3Centers for Disease Control and Prevention, Atlanta, GA, 4Learning Tree Institute, Greenbush, Girard, KS

New epidemiological research on ‘school bonding’ and drug involvement
M. Chandra, Epidemiology and Biostatistics, Michigan State University, East Lansing, MI

Adolescent alcohol misuse and consequences to age 30 years: An integrative data analysis of 4 Australasian cohorts
E. Silins2, L. J. Horwood1, G. Patton3, J. Najman4, J. Toumbourou3, R. P. Mattick2, 1University of Otago, Christchurch, New Zealand, 2UNSW Australia, Sydney, NSW, Australia, 3University of Melbourne, Melbourne, VIC, Australia, 4University of Queensland, Brisbane, QLD, Australia

Concordance between urine drug screen and self-reported cocaine use
G. Sharma, N. Oden, P. VanVeldhuisen, The Emmes Corporation, Rockville, MD

Intravenous and smoked methamphetamine produce different subjective and physiological effects in women
N. E. Goeders, LSU Health Sciences Center, Shreveport, LA

Comparative hazards of acute myocardial infarction among hospitalized patients with methamphetamine- or cocaine-use disorders: A retrospective cohort study
J. Gatley1, M. Osiowy1, J. Sykes2, S. J. Kish3, R. Callaghan1, 1Northern Medical Program, UNBC, Prince George, BC, Canada, 2Princes Margaret Cancer Centre, Toronto, ON, Canada, 3Human Brain Lab, CAMH, Toronto, ON, Canada

Crack/Cocaine consumption and urban violence in Brazil: Data from the Brazilian National Alcohol and Drugs Survey
C. S. Madruga1, A. Q. Miguel1, S. McPherson1, M. G. McDonell2, R. Laranjeira1, 1Psychiatry, Federal University of São Paulo, Sao Paulo, Brazil, 2College of Medical Sciences, Elson S. Floyd College of Medicine, Washington, WA, 3Program of Excellence in Addictions Research, Washington State University, Washington, WA
66 Factors predicting methamphetamine use among homeless people in Bangkok, Thailand
C. Areesantichai\textsuperscript{1}, U. Perngparn\textsuperscript{1}, L. Cottler\textsuperscript{2}, \textsuperscript{1}Drug Dependence Research Center
WHO Collaborating Center for Research and Training in Drug Dependence (WHOCC),
Chulalongkorn University, Bangkok, Thailand, \textsuperscript{2}Epidemiology, University of Florida,
Gainesville, FL

67 Release from drinking-age restrictions is associated with increases in alcohol-related motor
vehicle collisions among young drivers in Canada
R. Callaghan\textsuperscript{2}, J. Gatley\textsuperscript{2}, M. Sanches\textsuperscript{3}, C. Benny\textsuperscript{4}, \textsuperscript{2}Northern Medical Program, University of
Northern British Columbia, Prince George, BC, Canada, \textsuperscript{3}Biostatistical Consulting, CAMH,
Toronto, ON, Canada, \textsuperscript{4}Community Health Sciences, UNBC, Prince George, BC, Canada

68 Ultrasound correlates of liver disease in patients seeking treatment for alcohol use disorder
D. Fuster\textsuperscript{3}, A. Sanvisens\textsuperscript{3}, P. Zuluaga\textsuperscript{3}, E. Barluenga\textsuperscript{4}, I. Rivas\textsuperscript{2}, J. Tor\textsuperscript{4}, R. Muga\textsuperscript{1}, \textsuperscript{1}Internal
Medicine, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, \textsuperscript{2}Municipal Center
for Substance Abuse Treatment, Badalona, Spain, \textsuperscript{3}Medicine, Hospital Germans Trias i Pujol,
Badalona, Spain, \textsuperscript{4}Radiology, Hospital Germans Trias i Pujol, Badalona, Spain

69 Gender differences in patterns of prescription opioid use and binge drinking among middle-aged Floridians
M. Serdarevic, L. Cottler, Epidemiology, University of Florida, Gainesville, FL

70 Changes in nonmedical use of OxyContin after reformulation with abuse deterrent properties
H. Chilcoat, P. Coplan, N. Sessler, V. Harikrishnan, Risk Management and Epidemiology,
Purdue Pharma, Stamford, CT

71 Evaluating prescription drug abuse survey questions
B. Sproule\textsuperscript{2,1}, M. Zhang\textsuperscript{2,1}, \textsuperscript{1}University of Toronto, Toronto, ON, Canada, \textsuperscript{2}Centre for
Addiction and Mental Health, Toronto, ON, Canada

72 Association between prescription opioid use and frequent emergency department use
S. A. Milani, H. R. Crooke, L. Cottler, C. W. Striley, Epidemiology, University of Florida,
Gainesville, FL

73 Peer networks, marital satisfaction and nonmedical use of prescription drugs among reserve
soldiers and partners
S. Cercone Heavey\textsuperscript{2}, D. Homish\textsuperscript{2}, J. Devonish\textsuperscript{2}, E. M. Anderson Goodell\textsuperscript{1}, G. G. Homish\textsuperscript{2},
\textsuperscript{1}Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD,
\textsuperscript{2}Community Health & Health Behavior, State University of New York at Buffalo,
Buffalo, NY

74 Characteristics of pain patients related to risk of aberrant opioid medication behaviors
Newton, MA

75 Multiple sources of payment and risky opioid therapy among military/VA
W. Becker\textsuperscript{1}, E. Doyle\textsuperscript{4}, B. Fenton\textsuperscript{3}, J. Francis\textsuperscript{5}, C. Brandt\textsuperscript{3}, B. A. Moore\textsuperscript{2}, R. Kerns\textsuperscript{3},
P. Kreiner\textsuperscript{4}, \textsuperscript{1}Internal Medicine, VA Connecticut Healthcare System, West Haven, CT,
\textsuperscript{2}Psychiatry, Yale University School of Medicine, New Haven, CT, \textsuperscript{3}VA Connecticut
Healthcare System, West Haven, CT, \textsuperscript{4}Brandeis University, Waltham, MA, \textsuperscript{5}VA Central
Office, Washington, DC

76 Insurance is not enough: Significant increases in insurance coverage do not increase substance
abuse treatment entry among rural Appalachian drug users
J. R. Havens, H. K. Knudsen, M. R. Lofwall, S. L. Walsh, Center on Drug and Alcohol
Research, University of Kentucky, Lexington, KY
The role of adverse childhood experiences in initiation of substance use and sexual behaviors among opioid-using young adults

Associations between integration and drug use among deported migrants in Tijuana, Mexico D. Horyniak, M. Pinedo, J. Burgos, V. Ojeda, Division of Global Public Health, University of California, San Diego, La Jolla, CA, Centre for Population Health, Burnet Institute, Melbourne, VIC, Australia, Alcohol Research Group, University of California, Berkeley, Berkeley, CA

Utilization of opioid agonist therapy among persons who inject drugs in the Seattle area J. Tsui, S. N. Glick, H. Thiede, School of Medicine, University of Washington, Seattle, WA, Public Health–Seattle & King County, Seattle, WA

Systematic review and meta-analysis of injecting related injury and disease in people who inject drugs S. Larney, A. Peacock, B. M. Mathers, L. Degenhardt, School of Medicine, University of Tasmania, Hobart, TAS, Australia, NDARC, UNSW Australia, Sydney, NSW, Australia, Kirby Institute, UNSW Australia, Sydney, NSW, Australia

Risk factors for prescription opioid misuse by duration of misuse V. Osborne, S. O. Lasopa, C. W. Striley, L. Cottler, Epidemiology, University of Florida, Gainesville, FL

Self-compassion and substance use S. M. Paniagua, C. L. Phelps, K. D. Rosen, J. S. Potter, Psychiatry, UT Health Science Center, San Antonio, TX, InnerAlly, San Antonio, TX

Causes of death and expected years of life lost among opioid-dependent individuals using agonist therapy in the U.S. and Taiwan K. Chang, A. Saxon, G. E. Woody, J. Wang, Y. Hser, General Psychiatry, Jiana Psychiatric Center, Ministry of Health & Welfare, Traina, Taiwan, Department of Psychiatry & Behavioral Sciences, UCLA, Los Angeles, CA, Psychiatry, University of Pennsylvania, Philadelphia, PA, Veterans Affairs Puget Sound Health Care System, USA, Seattle, WA, Public Health, National Cheng Kung University, Tainan, Taiwan

Increasing abuse of gabapentin and pregabalin as reported to U.S. poison centers 2006 through 2014 R. C. Dart, B. Bucher Bartelson, S. G. Severtson, G. Bau, J. L. Green, RADARS System, Denver Health, Denver, CO, RMPDC, Denver, CO, Rocky Mountain Poison and Drug Center, Denver, CO, Research, Rocky Mountain Poison and Drug Center, Denver, CO

Introducing a new research method for evaluating alcohol and other drug use among fatally injured victims in Latin America G. Andreuccetti, V. Leyton, I. D. Miziara, N. P. Lemos, D. R. Munoz, C. J. Cherpitel, H. B. Carvalho, University of Sao Paulo Medical School, Sao Paulo, Brazil, Office of Chief Medical Examiner, San Francisco, CA, Alcohol Research Group, Emeryville, CA, Technical-Scientific Police Superintendency of the State of Sao Paulo, Sao Paulo, Brazil

The impact of enrollment in methadone maintenance therapy on initiation of heavy drinking among people who use heroin J. Klimas, E. Wood, P. Nguyen, H. Dong, M. Milloy, T. Kerr, K. Hayashi, B.C. Centre for Excellence in HIV/AIDS, Urban Health Research Initiative, Vancouver, BC, Canada
PERINATAL DRUG ABUSE

87 Pregnancy incidence and contraceptive use among young women who inject drugs in Sydney, Australia
L. Maher1,2, B. White3, C. Day3, K. Black4, 1Centre for Immunology, Kirby Institute, Sydney, NSW, Australia, 2UNSW Australia, Faculty of Medicine, Sydney, NSW, Australia, 3Sydney University, Discipline of Addiction Medicine, Sydney, NSW, Australia, 4Central Clinical School, Sydney University, Sydney, NSW, Australia

88 Trends in receipt of medication-assisted treatment for pregnant women with opioid use disorder in the United States
L. MacAfee3, A. Sawyer2, M. Terplan1,3, 1Behavioral Health System Baltimore, Baltimore, MD, 2Baltimore City Health Department, Baltimore, MD, 3Department of Obstetrics and Gynecology, University of Michigan, Ann Arbor, MI

89 Reduction in alcohol, tobacco, and illicit drug use during childbearing years in the USA: A comparison of pregnant and non-pregnant women
S. M. Watchko2, Q. Brown1, S. S. Martins1, 1Epidemiology, Columbia University, New York City, NY, 2Department of Epidemiology, Mailman School of Public Health, Columbia University, New York, NY

90 Buprenorphine during pregnancy: Clearance and fetal exposure
J. L. Coker1, C. McLeod3, S. L. Narayanan1, T. David1, J. Ritchie4, M. J. Mancino1, Z. Stowe1, 1Psychiatry, University of Arkansas for Medical Sciences, Little Rock, AR, 3Castle Medical, Smyrna, GA, 4Emory University, Atlanta, GA

91 Where there’s smoke: Psychosocial and mental health correlates of prenatal marijuana use
J. S. Sadicario2, S. S. Kelpin3, D. Svikis1, 1Virginia Commonwealth Univ., Richmond, VA, 2Psychology, Virginia Commonwealth University, Richmond, VA

92 Are stressful life events associated with smoking cigarettes and marijuana during pregnancy?
A. M. Allen1, J. Hughes2, A. Alexander1, A. Lemieux4, S. Allen1, K. Ward3, M. al’Absi4, 1Family Medicine & Community Health, University of Minnesota, Minneapolis, MN, 2Biostatistics, University of Minnesota, Minneapolis, MN, 3Public Health, The University of Memphis, Memphis, TN, 4Biobehavior, University of Minnesota, Duluth, Duluth, MN

93 Cigarette purchase task: Identifying quit success in pregnant cigarette smokers
I. A. Zvorsky3,1, R. Redner1,2, A. N. Kurti1,2, J. Priest1, S. T. Higgins3,1, 1University of Vermont, Winooski, VT, 2Psychiatry, University of Vermont, Burlington, VT, 3Vermont Center on Behavior and Health, Burlington, VT

94 Household smoking rules among pregnant and newly postpartum smokers
D. R. Keith1, A. N. Kurti1, J. M. Skelly2, S. Higgins1, 1Psychiatry, University of Vermont, South Burlington, VT, 2Medical Biostatistics, University of Vermont, Burlington, VT

95 Comparing smoking topography of usual brand cigarettes in pregnant and non-pregnant women
C. L. Bergeria2,3, S. H. Heil1,2,3, S. C. Sigmon1,2,3, H. Durand3, S. Higgins1,2,3, 1Psychiatry, University of Vermont, Burlington, VT, 2Psychology, University of Vermont, Burlington, VT, 3Vermont Center on Behavior and Health, Burlington, VT

96 Initial assessment of smoking status of pregnant women enrolled in a clinical trial for smoking cessation
T. Nanovskaya1, V. M. Fokina2, H. West3, C. Oncken3, M. S. Ahmed1, G. Hankins1, 1OB/GYN Maternal Fetal Medicine, University of Texas Medical Branch, Galveston, TX, 2UTMB, Galveston, TX, 3University of Connecticut Health Center, Farmington, CT
97 Trajectory of mental health among low-income smokers across pregnancy and postpartum
V. H. Coleman-Cowger1, B. Koszowski1, M. Terplan2, 1Health & Analytics, Battelle, Baltimore, MD, 2Behavioral Health System, Baltimore, MD

NICOTINE: HUMAN STUDIES

98 Validation of a purchase task for assessing the relative reinforcing efficacy of e-cigarettes
I. Pericot-Valverde1, S. Fernández-Artamendi1, A. González-Roz2, C. López-Núñez1, S. E. Weidberg1, R. Secades-Villa1, 1Department of Psychology, University of Oviedo, Oviedo, Spain, 2University of Oviedo, Oviedo, Spain

99 Delay Discounting among smokers, e-cigarette users and non-dependent controls
S. E. Weidberg, A. González-Roz, V. Martínez-Loredo, C. López-Núñez, I. Pericot-Valverde, R. Secades-Villa, Department of Psychology, University of Oviedo, Oviedo, Spain

100 Development of a conceptual framework regarding consumer perception, health, and use patterns of electronic cigarettes
T. M. Dailey, E. C. McNaughton, K. Manser, M. Behling, S. F. Butler, Inflexxion, Inc, Newton, MA

101 Fear-eliciting antismoking ads unintentionally motivate smokers to consider an e-cigarette: The boomerang effect
S. J. Kim, L. A. Marsch, Dartmouth College, Lebanon, NH

102 Environmental smoke exposure among daily smokers with low v.s. high educational attainment
J. W. Tidey2, R. Denlinger2, D. Hatsuakami1, E. Donny3, 1Behavioral and Social Sciences, Brown University, Providence, RI, 2Center for Alcohol & Addictions Studies, Brown University, Providence, RI, 3Psychology, University of Pittsburgh, Pittsburgh, PA, 4Masonic Cancer Center, University of Minnesota Medical School, Minneapolis, MN

103 Ongoing survey of alternative nicotine and tobacco use among cardiac patients
Z. H. Morford1, D. Gaalema1, R. Elliott1, P. Ades1, S. Higgins2, 1University of Vermont, South Burlington, VT, 2University of Vermont, Burlington, VT

104 Contraceptive use among female smokers
H. S. Melbostad2, G. J. Badger1, A. K. Matusiewicz1, S. H. Heil1, 1Psychiatry, University of Vermont, Burlington, VT, 2Psychology, University of Vermont, Burlington, VT, 4Medical BioStatistics, University of Vermont, Burlington, VT

105 A computerized adaptive testing version of the ASI
R. A. Black1,2, S. McCaffrey1, S. F. Butler1, 1Inflexxion, Inc, Newton, MA, 2Psychology, Nova University, Ft. Lauderdale, FL

106 Assessing cigarettes smoked per day: Use of smoking measures during an observational baseline study period versus self-reported cigarettes smoked per day
M. L. Saddleson, A. Strasser, Center for Interdisciplinary Research on Nicotine Addiction and Tobacco Centers of Regulatory Science, Philadelphia, PA

107 Initial subjective favorability moderates the relationship between false harm beliefs and daily consumption of reduced nicotine content cigarettes
M. Mercincavage, M. L. Saddleson, A. Strasser, Center for Interdisciplinary Research on Nicotine Addiction and Tobacco Center of Regulatory Science, University of Pennsylvania, Philadelphia, PA

108 Anxiety sensitivity as a predictor of acute subjective effects of smoking In African Americans
C. Guillot, R. Pang, M. Kirkpatrick, A. Leventhal, University of Southern California, Los Angeles, CA
Wednesday, June 15, 2016

109 **Impact of lifetime depression and anxiety on effectiveness of mass distribution of nicotine patches: Secondary analysis of a randomized controlled trial**
   V. Kushnir¹, B. Sproule¹, L. Zawertailo¹, P. Selby¹, R. Tyndale¹, S. Leatherdale²
   J. Cunningham¹, ¹Centre for Addiction and Mental Health, Toronto, ON, Canada, ²University of Waterloo, Waterloo, ON, Canada

110 **Different trajectories of smoking behaviors across racial groups**
   L. Johnson, S. Hartz, L. Bierut, Psychiatry, Washington University in St. Louis, Saint Louis, MO

111 **Effects of electronic vs. combustible cigarette administration on smoking withdrawal supression**
   C. G. Aguirre, A. Leventhal, M. Kirkpatrick, N. Goldenson, J. Huh, Preventive Medicine, University of Southern California, Los Angeles, CA

112 **The tobacco status project: Three month outcomes for a randomized controlled trial of a Facebook smoking cessation intervention for young adults**
   D. Ramo¹, J. Thrul¹, K. Delucchi¹, S. m. Hall¹, P. Ling¹, A. Belohlavek¹, S. Zhao¹, B. Han¹, J. Prochaska², ¹UCSF, San Francisco, CA, ²Stanford University, Stanford, CA

113 **Tobacco cessation among poor and underserved: Expanding alternatives through community-based participatory research**
   P. Sheikhattari¹², C. Schutzman¹², T. Addison¹², J. Apata¹², J. Bucceri², M. Gunning², F. A. Wagner¹², ¹PSRC, Morgan State University, Baltimore, MD, ²CEASE, Baltimore, MD

114 **Impact of group motivational interviewing on enhancing treatment engagement for homeless veterans with nicotine dependence and other substance use disorders**
   E. J. Santa Ana, S. LaRowe, K. J. Hartwell, K. Lamb, Charleston VAMC and MUSC, Charleston, SC

**Late-Breaking Research**

**Fiesta 6/8**

2:15 - 3:15 PM

**Symposium XIV**

**Fiesta 6/8**

3:30 - 5:30 PM

**REDUCING THE HARMS OF OPIOID ANALGESIC USE IN HEALTH SYSTEMS**

Chairs: Amy S. Bohnert and Tae Woo Park

3:30 **Treatment patterns associated with overdose among patients with comorbid pain and substance use disorders**
   Tae Woo Park, Alpert Medical School of Brown University, Providence, RI

3:54 **Opioid risk mitigation in the military health system: Results from a mixed-methods study**
   Jennifer Sharpe Potter, University of Texas Health Science Center San Antonio, San Antonio, TX

4:18 **Investigating clinicians’ opioid prescribing and dispensing practices: A qualitative study**
   Mark Edlund, RTI International, Research Triangle Park, NC

4:42 **Use of non-pharmacological strategies for pain relief in addiction treatment patients with chronic pain**
   Lewei Allison Lin, University of Michigan Medical School, Ann Arbor, MI

5:06 **DISCUSSANT: Future directions in reducing opioid misuse and overdose**
   David A Fiellin, Yale University School of Medicine, New Haven, CT
Oral Communications 17 Wednesday, June 15, 2016

THE BREAKFAST CLUB: ADOLESCENTS

Chairs: Katherine M. Serafine and Koliris Y. Salas-Ramirez

3:30  Taurine’s effects on cocaine reward in adolescent male and female rats
      U. Akpara, R. Liang, A. Villa-Gonzalez, D. Harris, A. Elzanie, K. Chauhan, C. Vasquez,
      T. Irving, A. Cole, K. Y. Salas-Ramirez, Department of Physiology, Pharmacology and
      Neuroscience, CUNY School of Medicine, New York, NY, Brooklyn, NY

3:45  Addiction-like and cognitive effects of adolescent cannabinoid self-administration in rats
      E. Kirschmann, M. Pollock, V. Nagarajan, M. M. Torregrosa, Psychiatry, University of
      Pittsburgh, Pittsburgh, PA

4:00  Sex differences in high fat diet-induced enhancement of sensitivity to the behavioral effects of
      the dopamine D2/D3 receptor agonist quinpirole in adolescent rats
      K. M. Serafine, C. Hernandez-Casner, J. Ramos, Psychology, University of Texas at El Paso,
      El Paso, TX

4:15  Altered intrinsic brain connectivity in prenatally cocaine-exposed adolescents
      Y. Zakiniaeiz, S. W. Yip, I. Balodis, C. Lacadie, L. C. Mayes, R. Sinha, M. N. Potenza,
      Psychiatry, Yale University, New Haven, CT

4:30  Age and working memory predict delay discounting in adolescents in treatment for cannabis use
      disorders
      M. M. Sweeney, M. W. Johnson, Psychiatry and Behavioral Sciences, Johns Hopkins
      University School of Medicine, Baltimore, MD

4:45  Neural activity in childhood predicts adolescent substance use initiation
      L. M. Cope, J. Heffernan, C. S. Sripada, J. E. Hardee, R. A. Zucker, M. Heitzeg, University of
      Michigan, Ann Arbor, MI

5:00  Predicting contingency management treatment efficacy among adolescents by using measures of
      impulsivity
      A. Harvanko, J. C. Strickland, B. Reynolds, University of Kentucky, Lexington, KY

5:15  A novel paradigm associated with callous unemotional traits among adolescents with substance
      and conduct problems: Behavioral and fMRI findings
      J. Sakai1, M. Dalwani1, S. K. Mikulich-Gilbertson1, S. K. McWilliams1, K. Raymond1,
      J. Tanabe1, M. T. Banich2, T. J. Crowley1, 1University of Colorado, Aurora, CO, 2University of
      Colorado Boulder, Boulder, CO

Oral Communications 18 Wednesday, June 15, 2016

SUPER SIZE ME: ALTERNATE ADDICTIONS

Chairs: Elizabeth C. Katz and Cecile M. Denis

3:30  Naloxone-precipitated withdrawal following sucrose self-administration in C57BL/6 mice
      C. Kroll, B. D. Fischer, Cooper Medical School of Rowan University, Camden, NJ

3:45  Chronic fructose consumption enhances cue-triggered cocaine- and food-seeking
      A. Kosheleff1, L. Tsan1, Y. Zhuang1, F. Gomez-Pinilla1, S. Oslund2, N. Murphy1,
      N. Maidment1, 1University of California Los Angeles, Encino, CA, 2University of California
      Irvine, Irvine, CA
Eating disorder, food addiction and associated factors in obese patients
M. Fatseas3, M. Henry4, M. C. Rosa1, J. Collombat3, A. Gregoire3, C. Kervran3, B. Cherifi4, M. Auriacombe3, 1Center for Drug and Alcohol Research, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, 3Addiction Psychiatry (CNRS USR 3413), Universite Bordeaux, Bordeaux, France, 4Obesity Clinic, CHU de Bordeaux, Bordeaux, France

Are DSM-5 criteria for SUD transferable to food addiction? IRT analysis for alcohol, tobacco, cannabis, opiate and food addiction in a clinical sample

Video game addiction: Duration of play and impulsivity
F. D. Buono2, B. A. Moore3, D. M. Printz3, D. P. Lloyd3, C. J. Cutter1, M. E. Sprong4, 1Internal Medicine, Yale School of Medicine, New Haven, CT, 2Psychiatry, Yale University, New Haven, CT, 3Psychiatry, Yale University School of Medicine, New Haven, CT, 4Rehabilitation Counseling, Northern Illinois University, DeKalb, IL

Association between working memory, impulsivity and problematic technology use
C. Lewis, E. C. Katz, Psychology, Towson University, Towson, MD

Game type as a moderator of the relationship between pathological video game use, impulsivity, aggression, and general psychopathology
M. S. Sferra1, S. Fields1, D. Gentile2, 1Psychology, Texas A&M University, College Station, TX, 2Psychology, Iowa State University, Ames, IA

Reduced precuneus activation in adolescents at risk for food addiction
J. Hardee, A. Gearhardt, L. M. Cope, R. Zucker, M. Heitzeg, Psychiatry, University of Michigan, Ann Arbor, MI

Cocaine self-administration and single prolonged stress produce hyperarousal-like, but not anxiety-like, behavior in rats
M. J. Lisieski, S. A. Perrine, Psychiatry and Behavioral Neurosciences, Wayne State University School of Medicine, Detroit, MI

A modified single prolonged stress episode delays acquisition of cocaine self-administration
R. S. Hofford, M. A. Prendergast, M. T. Bardo, Psychology, University of Kentucky, Lexington, KY

Pharmacological mechanisms of MDMA’s facilitative effect on fear extinction
M. Young1, L. F. Berro2, L. Howell1, 1Emory University, Atlanta, GA, 2Yerkes National Primate Research Center, Emory University, Atlanta, GA

Early life trauma, neurocognitive functioning, and substance use
J. L. Meyers1,2, V. V. McCutcheon3, J. Salvatore4, D. Chorlian1, A. Pandey1, *. Collaborative Study on the Genetics of Alcoholism Collaborators1, K. K. Bucholz2, B. Porjesz1, 1Psychiatry, The State University of New York, Brooklyn, NY, 2Columbia University, New York, NY, 3Washington University School of Medicine, St. Louis, MO, 4Virginia Commonwealth University, Richmond, VA
Wednesday, June 15, 2016

4:30  *Oxytocin decreases methamphetamine-seeking and gene expression changes in rats after traumatic stress*
   J. F. McGinty, Neuroscience, Medical University of South Carolina, Charleston, SC

4:45  *Concurrent treatment with prolonged exposure for co-occurring PTSD and substance use disorders: A randomized clinical trial*
   D. Hien¹², L. Ruglass³, S. Back⁴, ¹Psychology, Adelphi University, NY, NY, ²Psychiatry, Columbia University College of Physicians and Surgeons, New York, NY, ³Psychology, City College of New York, New York, NY, ⁴Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, SC

5:00  *Nonmedical and illicit drug use: Associations with PTSD severity & symptom clusters among a sample of U.S. Army Reserve/National Guard Soldiers*
   D. Homish¹, S. Cercone Heavey¹, J. Devonish¹, J. Cornelius², G. G. Homish¹, ¹Community Health & Health Behavior, State University of New York at Buffalo, Buffalo, NY, ²Psychiatry, University of Pittsburgh Medical Center, Pittsburgh, PA

5:15  *Event-level substance use during episodes of intimate partner violence*
   A. M. Pickover, J. G. Beck, Psychology, University of Memphis, Memphis, TN

**Business Meeting**
(MEMBERS ONLY)

**CAPRA**
5:30 - 6:30 PM

**DINNER AND DANCING**
BADGES MUST BE WORN FOR ADMISSION

**Fiesta Ballroom**
7:30 - 10:30 PM
Thursday, June 16, 2016

Poster Session IV
(Breakfast)
Odd-numbered posters manned first hour;
Even-numbered, second hour

Set-up time begins Wednesday, 1PM
Must be removed by Thursday 12 Noon

PROGRAM DESCRIPTION

1 Forging a new path: Urban Indian approaches to service improvement in Ramsey County, Minnesota
   A. H. Skinstad, J. Gringer Richards, L. E. Thompson, S. A. Bear, Dept of Community and Behavioral Health, University of Iowa, College of Public Health, Iowa City, IA

2 Mother and child: Improving the health of opiate-dependent mothers and their babies using a community-based peer counselor
   T. L. Horton, L. Bechler, B. L. Wilson, M. Lanyon, C. Jurkovitz, Y. Washio, Christiana Care Health System, Newark, DE

3 “Group Prenatal Care” – Providing obstetric care in a community-based substance abuse treatment center
   E. Zadzielski, S. Rogers, S. Gargano, Y. Washio, Christiana Care Health Services, Newark, DE

4 Integrated telemedicine-based treatment for hepatitis C at an opioid agonist treatment program
   L. S. Brown6,8, A. Talal3,4, P. Andrews1, A. Mcleod1, M. Zeremski5, Y. Chen7, C. Sylvester1, 1Research & Evaluation, START: Treatment & Recovery Centers, Brooklyn, NY, 2Medicine, University at Buffalo, Buffalo, NY, 3Gastroenterology, Hepatology, and Nutrition, Cornell University, New York, NY, 4Medicine, START: Treatment & Recovery Centers, New York, NY, 5Gastroenterology, Hepatology, and Nutrition, Cornell University, New York, NY, 6CEO, START: Treatment & Recovery Centers, Brooklyn, NY, 7Biostatistics, University at Buffalo, Buffalo, NY, 8Medicine, Weill Cornell Medical College, New York, NY

5 OverdoseFreePA.org: A resource for overdose prevention in Pennsylvania
   M. D. Reynolds, J. L. Pringle, S. Rickard-Aasen, J. Oblak, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA

6 Images for science communications pertinent to drug dependence research and to the general public
   D. Barondess, J. C. Anthony, Epidemiology and Biostatistics, Michigan State University, East Lansing, MI

7 Contribution of e-learning to addiction teaching: A successful experience at the University of Bordeaux, France
   M. Auriacombe1, J. Alexandre1, J. Dubernet1, J. Tanguy2, M. Fatseas1, 1Addiction Psychiatry (CNRS USR 3413), Universite Bordeaux, Bordeaux, France, 2MAPI, Univ. Bordeaux, Bordeaux, France

8 The research in addiction medicine scholars program – Developing researchers in addiction fellowships
   P. O’Connor3, J. I. Tsui2, D. Gobel1, B. Brett5, C. Bridden1, J. H. Samet4,1, 1Boston Medical Center, Boston, MA, 2Internal Medicine, University of Washington School of Medicine, Seattle, WA, 3Yale University, New Haven, CT, 4Boston University, Boston, MA, 5Brett Consulting Group, Somerville, MA
9 Specialized community disease management to reduce substance use and hospital readmissions
J. E. Chambers¹, A. C. Brooks¹, M. F. Morrison², J. R. McKay³, D. R. Gastfriend⁴, ¹Treatment Research Institute, Philadelphia, PA, ²Lewis Katz School of Medicine at Temple University, Philadelphia, PA, ³Department of Psychiatry, University of Pennsylvania, Philadelphia, PA

10 Research to practice: Fidelity monitoring and lessons learned with patient navigation and HIV
K. Gilmore², D. Svikis¹, A. Rhodes², T. Moore¹, L. Yerkes², ¹Virginia Commonwealth Univ., Richmond, VA, ²Virginia Department of Health, Richmond, VA

11 Theoretical implications of gender, power, and sexual scripts for HIV prevention programs aimed at young, substance-using African American women
M. Hill¹, A. Stotts², ¹Emergency Medicine, University of Texas Health Science Center, McGovern Medical School, Houston, TX, ²University of Texas Medical School at Houston, Houston, TX

12 RICH Recovery: Integrating primary and behavioral healthcare for individuals with substance use disorders
J. May²¹, D. Farrell-Moore²¹, D. N. Masri²¹, B. Cox²¹, ¹Grants, Research, Evaluation and Planning, RBHA, Richmond, VA, ²Richmond Behavioral Health Authority, Richmond, VA

13 The Baltimore reproductive health initiative: Bringing family planning to women in treatment
M. Terplan¹, J. Kirschner², S. Muqueeth², R. Dineen², ¹Behavioral Health System Baltimore, Baltimore, MD, ²Baltimore City Health Department, Baltimore, MD

14 Using electronic health records data for clinical research
L. T. Wu², S. Spratt², B. Heidenfelder², B. Tai⁴, U. Ghitza⁴, ²Duke University, Durham, NC, ⁴NIDA, Bethesda, MD

15 Foundational development of a postmarket surveillance program for e-vapor products using Internet forum data
E. C. McNaughton, T. M. Dailey, M. Behling, S. F. Butler, Inflexxion, Inc., Newton, MA

16 In-house outreach: Strategies to promote and advertise a smoking cessation program in a Mexican university hospital
O. Campollo¹², O. Torres¹, ¹Center of Alcoholism and Addictions, University of Guadalajara, Guadalajara, Mexico, ²Molecular Biology, Hospital Civil de Guadalajara FAA, Guadalajara, Mexico

LITERATURE REVIEW

17 Prenatal cannabis exposure and cognitive functioning: A critical review
C. A. Torres², C. L. Hart¹³, ¹Psychology, Columbia University, New York, NY, ²School of Social Work, Columbia University, New York, NY, ³Psychiatry, Columbia University, New York, NY

18 A review of recent developments (2012-15) on the use of financial incentives with pregnant smokers
D. R. Davis¹², L. J. Solomon², S. Higgins²¹, ¹Psychology, University of Vermont, Burlington, VT, ²Psychiatry, University of Vermont, Burlington, VT

19 E-cigarette smoking among U.S. minors: A systematic review
A. Ferrell¹, L. Haddad¹, L. Weglicki², R. Ghadban³, ¹College of Nursing, University of Florida, Gainesville, FL, ²Christine E. Lynn College of Nursing, Florida Atlantic University, Boca Raton, FL, ³School of Nursing, Virginia Commonwealth University, Richmond, VA

20 Community-based drug treatment in Thailand
U. Perngparn, C. Areesantichai, Drug Dependence Research Center WHO Collaborating Center for Research and Training in Drug Dependence (WHOCC), Chulalongkorn University, Bangkok, Thailand
21 Systematic review: Do take-home naloxone programs effectively reduce opioid overdose deaths?
A Bradford Hill analysis
R. McDonald, J. Strang, Addictions Department, King’s College London, London, United Kingdom

22 Prescription stimulant non-medical use: Literature review
S. Vosburg, M. Sokolowska, Grunenthal, Morristown, NJ

23 A systematic review of barriers and facilitators to implementing a prescription drug monitoring program
A. A. Garcia1, K. D. Rosen2, E. Finley3, J. S. Potter4, 1Psychiatry, University of Texas Health Science Center San Antonio, San Antonio, TX, 2University of Texas Health Science Center, San Antonio, TX, 3South Texas Veterans Healthcare System, San Antonio, TX

24 Opioid therapy misuse factors: A systematic review
K. Song1,3, D. McGeary2, M. Pugh4,5, W. Kazanis2, S. M. Paniagua2, E. Finley4,6, A. A. Garcia2, V. Bebarta7, D. Carnahan8,9, J. S. Potter4, 1Pharmacotherapy Education & Research Center, University of Texas Health Sciences Center at San Antonio, San Antonio, TX, 2Psychiatry, UT Health Science Center, San Antonio, TX, 3Pharmacy, South Texas Veterans Healthcare System, San Antonio, TX, 4South Texas Veterans Healthcare System, San Antonio, TX, 5Epidemiology & Biostatistics, University of Texas Health Sciences Center at San Antonio, San Antonio, TX, 6Division of Clinical Epidemiology, University of Texas Health Sciences Center at San Antonio, San Antonio, TX, 7San Antonio Military Medical Center, San Antonio, TX, 8National Institutes of Health, Bethesda, MD

PREVENTION

25 Child-parent attachment mediates but not moderates parent and child substance involvement
Z. Zhai2, T. Ridenour1, R. E. Tarter3, 1Research Triangle Institute, Allison Park, PA, 2Psychiatry, Yale University School of Medicine, New Haven, CT, 3University of Pittsburgh School of Pharmacy, Pittsburgh, PA

26 Are distinct parenting practices all equally protective against adolescent substance use?
L. A. Ghandour, N. J. El Salibi, N. Yassin, R. Affifi, American University of Beirut, Beirut, Lebanon

27 Conflicts between youths and their parents in relation to future NIDA prevention research
J. R. Parra-Cardona1, H. H. Yeh2, J. C. Anthony2, 1Michigan State University, East Lansing, MI, 2Epidemiology, Michigan State University, East Lansing, MI

28 Is parenting really that stressful? Daily behavioral stress in drug-using parents compared to non-parents
A. Moreland1, D. Brown3, N. Baker2, A. McRae-Clark1, 1Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, SC, 2Medical University of South Carolina, Charleston, SC, 3Howard University, Washington, DC

29 Codeine misuse/dependence: Best practice and future innovations in addressing risk, harm and successful treatment
C. D. Parry1, M. van Hout2, I. Norman3, 1Alcohol, Tobacco & Other Drug Research Unit, South African Medical Research Council, Cape Town, South Africa, 2School of Health Sciences, Waterford Institute of Technology, Waterford, Ireland, 3Florence Nightingale Faculty of Nursing & Midwifery, King’s College London, London, United Kingdom
30 **An exploratory factor analysis of a brief self-report scale to detect neurocognitive impairment among MMT patients**

M. Copenhaver1,2, R. Shrestha2,3, F. L. Altice4, 1Allied Health Sciences, University of Connecticut, Storrs, CT, 2Center for Health, Intervention, and Prevention, University of Connecticut, Storrs, CT, 3Community Medicine & Health Care, University of Connecticut Health Center, Farmington, CT, 4Department of Medicine, Yale University, New Haven, CT

31 **The Affordable Care Act and HIV/HCV testing in substance use disorder treatment programs**

C. N. Behrends5, J. A. Frimpong1, T. D’Aunno2, H. Pollack4, B. Schackman5, P. Friedmann3, 1Columbia University, New York, NY, 2New York University, New York, NY, 3Baystate Health, Springfield, MA, 4University of Chicago, Chicago, IL, 5Weill Cornell Medical College, New York, NY

32 **Harm reduction service utilization and HIV incidence among people who inject drugs in Ukraine**

D. C. Ompad1, J. Wang1, K. Dumchev3, J. Barska4, M. Samko4, O. Zeziulin3, T. Salyuk4, O. Varetska4, J. DeHovitz3, 1New York University, New York, NY, 3Ukrainian Institute on Public Health Policy, Kiev, Ukraine, 4Alliance for Public Health Ukraine, Kiev, Ukraine, 5SUNY Downstate Medical Center, Brooklyn, NY

33 **HIV pre-exposure prophylaxis for people who inject drugs: Willingness to prescribe among general internists**

E. J. Edelman1, B. A. Moore1, G. Berkenblit2, S. Calabrese1, C. Cunningham4, D. A. Fiellin1, V. Patel4, K. A. Phillips3, J. Tetrault1, M. Shah5, O. Blackstock4, 1Yale, New Haven, CT, 2Johns Hopkins, Baltimore, MD, 3NIDA-IRP, NIH, Baltimore, MD, 4Montefiore, Bronx, NY, 5UIC, Chicago, IL

34 **High-risk behaviors among Iranian female drug users inspiring health belief model**

E. Merghati-khoei1, M. Jamshidimanesh1, I. Ilika1, M. Hosseini2, 1Iranian National Center for Addiction Studies, Tehran University of Medical Sciences, Tehran, Iran (the Islamic Republic of), 2Epidemiology, Tehran University of Medical Sciences, Tehran, Iran (the Islamic Republic of)

35 **Screening for oral cancer in tobacco and/or alcohol addicts: A comparison of different organizations**

S. Rollier, Public Health, Centre Hospitalier Régional Universitaire de TOURS, Tours, France

36 **The interaction of masculine gender norm conformity and depression predict alcohol use in African American young adult men**

F. Fonseca, C. M. Risco, M. L. Boyd, T. S. Chaudhry, G. M. Munayco, C. I. Burt, C. W. Lejuez, R. Yi, Psychology, University of Maryland, College Park, MD

37 **Marijuana use in young adult women & men attending primary care: Results from a pilot study integrating behavioral health care into primary care**

G. Lapham, M. Addis, A. K. Lee, C. Achtmeyer, J. Richards, E. Ludman, T. Gildred, R. Caldeiro, L. Marx, P. Lozano, K. A. Bradley, Group Health Research Institute, Seattle, WA

38 **Application of system dynamics to inform a model of adolescent SBIRT implementation in primary care settings**

S. G. Mitchell1, D. Lounsbury2, Z. Li3, R. P. Schwartz1, J. Gryczynski1, A. Kirk3, M. Oros4, C. Hosler4, K. Dusek1, B. Brown1, 1Friends Research Institute, Baltimore, MD, 2Albert Einstein College of Medicine, Yeshiva University, Bronx, NY, 3Total Health Care, Baltimore, MD, 4The Mosaic Group, Baltimore, MD, 5College of Global Public Health, New York University, New York, NY

39 **Key ingredients for conducting daily or weekly IVR/SMS surveys**

L. Massey1, M. A. Walton1, R. M. Cunningham2, J. Cranford1, A. Buu2, 1Psychiatry, University of Michigan, Ann Arbor, MI, 2Emergency Medicine, University of Michigan, Ann Arbor, MI, 3School of Nursing, University of Michigan, Ann Arbor, MI
40 E-cigarette expectancies: Initial qualitative assessment for measure development
P. T. Harrell¹, G. Quinn², B. Vesely¹, T. Brandon², ¹Pediatrics, Eastern Virginia Medical School, Norfolk, VA, ²Health Outcomes & Behavior, Moffitt Cancer Center, Tampa, FL

41 Interoceptive awareness training for women in SUD treatment
C. Price¹, S. E. Crowell², C. Cheng¹, E. Thompson¹, ¹Biobehavioral Nursing and Health Systems, University of Washington, Seattle, WA, ²Psychology, University of Utah, Salt Lake City, UT

POLYDRUG

42 Psychedelic-associated addiction remission: An online survey
A. Garcia-Romeu, R. R. Griffiths, M. W. Johnson, Psychiatry, Johns Hopkins, Baltimore, MD

43 A pilot study of the feasibility and potential effectiveness of using smartphones to provide recovery support
C. K. Scott¹, M. L. Dennis¹, D. Gustafson², K. Johnson², ¹Lighthouse Institute, Chestnut Health Systems, Chicago, IL, ²CHESS, University of Wisconsin, Madison, WI

44 Healthcall on smartphone: A brief intervention to reduce concurrent drug and alcohol use
E. Aharonovich¹,², E. Greenstein², A. Le², D. S. Hasin¹,², ¹Psychiatry, Columbia University Medical Center, New York, NY, ²NYSPI, New York, NY

45 Clinician involvement with internet-delivered treatment and association to outcomes
A. Campbell¹, E. V. Nunes¹, M. Pavlicova², ¹Department of Psychiatry, Columbia University Medical Center, New York, NY, ²Columbia University, New York, NY

46 Comparing predictors of treatment completion and length of stay for outpatient treatment
G. Stahler, J. Mennis, Temple University, Philadelphia, PA

47 Housing status, psychiatric distress, and substance use among sober living house residents
D. L. Polcin, R. Korcha, A. Mericle, S. Gupta, J. Witbrodt, Alcohol Research Group, Public Health Institute, Emeryville, CA

48 Intrinsic and extrinsic motivation predict treatment outcome in a sample of HIV+ drug users
D. Cannizzaro¹, M. Stohl¹, D. Hasin¹,², E. Aharonovich¹,², ¹New York State Psychiatric Institute, New York, NY, ²Psychiatry, Columbia University, New York, NY

49 Methadone maintenance therapy and comorbid substance use: A brief qualitative report
N. Puri, R. McNeil, W. Small, Urban Health Research Institute, BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada

50 Performance of the TAPS-I brief screening tool in primary care
J. Gryczynski², J. McNeely⁴, L. T. Wu¹, G. Subramaniam³, G. Sharma⁵, C. Nordeck², A. Sharma², L. A. Cathers⁶, C. Cushing³, D. Svikis⁶, E. Jelstrom³, K. O’Grady⁷, R. P. Schwartz², ¹Duke University, Durham, NC, ²Friends Research Institute, Baltimore, MD, ³NIDA, Rockville, MD, ⁴NYU, New York, NY, ⁵The EMMES Corporation, Rockville, MD, ⁶VCU, Richmond, VA, ⁷Univ. of Maryland, College Park, MD

51 Prevalence and correlates of recovery from drug dependence
J. A. Cranford², C. J. Boyd¹, S. McCabe³, ¹Health Behavior and Behavioral Science, University of Michigan, Ann Arbor, MI, ²Psychiatry, University of Michigan, Ann Arbor, MI, ³Institute for Research on Women & Gender, University of Michigan, Ann Arbor, MI

COMORBIDITY

52 Feasibility and satisfaction of the women’s recovery group for patients with co-occurring substance use and eating disorders
S. F. Greenfield¹,², D. E. Sugarman¹,², B. Iles², E. Dechant³, T. Weigel¹, P. Tarbox³, ¹Harvard Medical School, Boston, MA, ²Division of Alcohol and Drug Abuse, McLean Hospital, Belmont, MA, ³Division of Women’s Mental Health, McLean Hospital, Belmont, MA
53 Smartphone-enhanced behavioral activation treatment for substance use and depression
Y. Chen2, J. A. De Leo2, L. Matalenas1, A. C. McLaughlin1, A. Petruzzella2, E. Jones2,
S. B. Daughters2, 1Department of Psychology, North Carolina State University, Raleigh, NC,
2Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill, Chapel Hill, NC

54 Nicotine metabolite ratio and associations with smoking topography in a population with affective disorders
D. Gaalema2, J. W. Tidey1, R. Tyndale3, S. Higgins2, 1Center for Alcohol & Addictions Studies, Brown University, Providence, RI, 2University of Vermont, Burlington, VT,
3University of Toronto, Toronto, ON, Canada

55 OCD symptom severity and tobacco withdrawal symptomatology among African American smokers
M. S. Bello, J. F. McBeth, R. Pang, A. Leventhal, Preventive Medicine, University of Southern California, Los Angeles, CA

56 Emotion dysregulation in adult smokers with and without ADHD: Baseline differences and abstinence-induced effects
J. T. Mitchell2, C. W. Lejuez6, F. McClernon2, J. Beckham2,5, R. A. Brown7, S. H. Kollins1,
1Psychiatry, Duke University Medical Center, Durham, NC, 2Psychiatry & Behavioral Sciences, Duke University Medical Center, Durham, NC, 3Veterans Affairs Medical Center, Durham, NC, 6University of Maryland, College Park, MD, 7University of Texas at Austin, Austin, TX

57 Facets of mindfulness mediate the relationship between depressive symptoms and smoking expectancies
C. Vinci1, C. A. Spears3, M. R. Peltier1, A. Copeland1, 1UT MD Anderson Cancer Center, Houston, TX, 3The Catholic University of America, Washington, DC

58 High prevalence of major depression among treatment-seeking ketamine-dependent patients
L. Chen1, K. Xu2, C. Chen4, M. Huang3, 1General Psychiatry, Taipei City Psychiatric Center, Taipei City Hospital, Songde Branch, Taipei, Taiwan, 2Yale School of Medicine, New Haven, CT, 3Taipei City Psychiatric Center, Taipei, Taiwan, 4Department of Psychiatry, Chang Gung Memorial Hospital, Keelung, Taiwan

59 Major depressive disorder and family history of alcoholism in two treatment samples: Does gender matter?
K. M. Polak1, A. Edwards2, K. S. Kendler2, D. Svikis1, E. Ngjelina1, S. Spicer1, 1Psychology, Virginia Commonwealth University, Henrico, VA, 2Psychiatry, Virginia Commonwealth University, Richmond, VA

60 Substance use disorder and home neighborhood disorder do not predict posttraumatic stress symptoms
Treatment Section, NIDA IRP, Baltimore, MD

61 Predictors of barriers to mental healthcare service utilization in returning veterans
M. B. Benz1, B. Borsari1,2, J. Metrik1,3, 1Center for Alcohol and Addiction Studies, Brown University, Providence, RI, 2San Francisco VAMC, San Francisco, CA, 3Providence VAMC, Providence, RI

62 Greater psychiatric morbidity among youth with synthetic cannabinoid use in residential treatment
V. L. Selby2,1, C. Storr2, M. Fishman3,1, 1Maryland Treatment Centers, Baltimore, MD,
2University of Maryland School of Nursing, Baltimore, MD, 3Johns Hopkins School of Medicine, Baltimore, MD
Improvement in psychiatric symptoms during Interim buprenorphine treatment
J. M. Streck1, T. A. Ochalek1, B. Hruska3, J. D. Pusey3, S. C. Sigmon3, 1Psychological Science, University of Vermont, Burlington, VT, 3Psychiatry, University of Vermont, Burlington, VT

The impact of addiction medications on outcomes for persons with co-occurring PTSD and opioid use disorders
E. Saunders1, M. P. McGovern4, C. Lambert-Harris2, A. Meier4, B. McLeman3, 1The Dartmouth Institute, Lebanon, NH, 3Psychiatry, Dartmouth Geisel School of Medicine, Lebanon, NH, 3Dartmouth Psychiatric Research Center, Lebanon, NH, 4Psychiatry, Dartmouth Geisel School of Medicine, Lebanon, NH

Development and pilot test of integrated cognitive behavioral therapy for anxiety and opioid use disorder
K. McHugh, S. F. Greenfield, R. Weiss, McLean Hospital/Harvard Medical School, Belmont, MA

Life in the barrio: Stress, depression and drug use
Y. Villarreal1, M. R. Klawans1, L. Torres2, P. Bordnick2, A. Stotts1, 1McGovern Medical School, University of Texas Health Science Center at Houston, Houston, TX, 2Graduate College of Social Work, University of Houston, Houston, TX

Anxiety disorders as a risk factor for needle sharing among cocaine users: Results from the COSMO study
A. Levesque2,3, E. Roy1, D. Jutras-Aswad2,5, G. Zang2, A. Artenie2,3, J. Bruneau2,4, 1Community Health Sciences, Université de Sherbrooke, Longueuil, QC, Canada, 2Research Center, Centre Hospitalier de l’Université de Montréal, Montreal, QC, Canada, 3Family Medicine, McGill University, Montreal, QC, Canada, 4Family and Emergency Medicine, Université de Montréal, Montreal, QC, Canada, 5Psychiatry, Université de Montréal, Montréal, QC, Canada

Acute tryptophan depletion in cocaine dependent subjects with comorbid-depression
M. Torrens2,1,3, J. I. Mestre-Pintó1, C. Pérez-Mañà1,3, E. Papaseit1,3, F. Fonseca2,1,3, M. Farré4,1,3, 1Institut Hospital del Mar d’Investigacions Mèdiques, PSMAR, Barcelona, Spain, 2Institut de Neuropsiquiatria i Addiccions, Parc de Salut Mar, Barcelona, Spain, 3Universitat Autònoma de Barcelona, Barcelona, Spain, 4Hospital Universitari Germans Trias i Pujol-IGTP, Badalona, Spain

Effect of vasopressin and oxytocin on ACTH secretion in cocaine-dependent patients
M. S. Heller, F. R. Levin, E. V. Nunes, W. N. Raby, Psychiatry, Columbia University, New York, NY

Effects of plasma pregnanolone levels on stress response, mood and drug craving in cocaine-dependent men and women
V. Milivojevic1, H. C. Fox1, J. Covault2, R. Sinha1, 1Psychiatry, Yale University School of Medicine, New Haven, CT, 2Psychiatry, University of Connecticut School of Medicine, Farmington, CT

Self-reported impulsivity is related to age at first methamphetamine use
A. Cservenka2, L. Ray1,2,3, 1Psychology, University of California, Los Angeles, Los Angeles, CA, 2Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA, 3Brain Research Institute, University of California, Los Angeles, Los Angeles, CA

Differences in clinical presentation between high and low impulsive methamphetamine users
E. E. Hartwell2,3, L. Ray2,1, 1Psychiatry, UCLA, Los Angeles, CA, 2Psychology, UCLA, Los Angeles, CA, 3Integrated Substance Abuse Programs, UCLA, Los Angeles, CA
73 Behavioral impulsivity as a predictor of success in a smoking cessation in adolescents
S. M. Dowd¹, S. Fields¹, B. Reynolds², ¹Psychology, Texas A&M University, College
Station, TX, ²University of Kentucky, Lexington, KY

74 Impulsivity, sensation seeking and substance use among adolescents: A longitudinal research study
L. Carla, V. Martinez-Loredo, S. Fernández Artamendi, J. Fernández-Hermida,
I. Pericot-Valverde, W. Sara, R. Secades-Villa, University of Oviedo, Spain, Oviedo, Spain

75 Assessing naturalistic risk-taking in nondaily smokers using a novel momentary balloon analogue risk task
R. R. MacLean³,1,2, J. M. Smyth³, C. F. Geier³, S. J. Wilson³, ¹VA Connecticut Healthcare System, West Haven, CT, ²Yale University, New Haven, CT, ³Pennsylvania State University, University Park, PA

76 Psychopathological symptoms, impulsivity and decision making in HIV patients with and without tobacco smoking
A. Lim, E. Lau, L. Chang, Department of Medicine, University of Hawaii, John A. Burns School of Medicine, Honolulu, HI

STIMULANTS: HUMAN STUDIES

77 History of cocaine sensitization in humans is associated with lipidomic changes similar to those in cocaine-sensitized rats
K. L. Preston², K. A. Phillips⁴, J. J. Wagner¹, B. Cummings¹, D. H. Epstein¹, ¹Treatment Section, NIDA IRP, Baltimore, MD, ²Clinical Pharmacology and Therapeutics Research Branch, NIDA Intramural Research Program, Baltimore, MD, ³Univ. of Georgia, Athens, GA, ⁴Intramural Research Program, National Institute on Drug Abuse, National Institutes of Health, Baltimore, MD

78 Regional and network-based alterations in D₂/D₃ receptor availability in cocaine use disorder
P. D. Worhunsky¹,2, D. Matuskey¹,2, J. Gallezot¹, N. Nabulsi¹, G. A. Angarita²,
V. D. Calhoun³,4, R. T. Malison², M. N. Potenza¹,5, R. E. Carson¹, ¹Radiology & Biomedical Imaging, Yale School of Medicine, New Haven, CT, ²Psychiatry, Yale School of Medicine, New Haven, CT, ³Electrical & Computer Engineering, University of New Mexico, Albuquerque, NM, ⁴The Mind Research Network, Albuquerque, NM, ⁵Neuroscience, Yale School of Medicine, New Haven, CT

79 A careful assessment of cognitive functioning in individuals with cocaine use disorder
K. M. Frazer¹, J. J. Manly², G. Downey¹,3,4, C. L. Hart¹,3,4, ¹Psychology, Columbia University, New York, NY, ²Neurology, Columbia University College of Physicians and Surgeons, New York, NY, ³Division on Substance Abuse and Department of Psychiatry, New York State Psychiatric Institute, New York, NY, ⁴Columbia University College of Physicians and Surgeons, New York, NY

80 Executive functioning and outpatient treatment adherence after intensive inpatient care in cocaine dependence: A six-month follow-up study
P. D. Goncalves³, M. Ometto², A. Malbergier², P. Martins², L. Beraldo², B. Santos⁴,
S. Nicastrì², A. Andrade², P. J. Cunha¹, ¹Department of Psychiatry, Laboratory of Psychiatric Neuroimaging (LIM 21), São Paulo, Brazil, ²Psychiatry, University of São Paulo, São Paulo, Brazil, ³Psychiatry, University of California San Diego, San Diego, CA, ⁴University of Sao Paulo, Sao Paulo, Brazil
Acute inhibitory control training in cocaine users
J. L. Alcorn², E. Pike¹, J. A. Lile¹,²,³ W. W. Stoops¹,²,³, C. R. Rush¹,²,³, ¹Psychology, University of Kentucky, Lexington, KY, ²Behavioral Science, University of Kentucky, Lexington, KY, ³Psychiatry, University of Kentucky, Lexington, KY

Effects of mixed amphetamine salts dose and belief about drug assignment on cognitive performance in college students
K. Cropsey, M. Froelich, P. Hendricks, R. Fargason, University of Alabama at Birmingham, Birmingham, AL

Cocaine decreases preference for condom use as function of delayed condom availability and STI risk
M. W. Johnson¹, E. S. Herrmann², P. S. Johnson³, M. M. Sweeney¹, ¹Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, ²New York State Psychiatric Institute, New York, NY, ³Psychology, California State University, Chico, Chico, CA

The influence of buspirone maintenance on the pharmacodynamic effects of methamphetamine
A. R. Reynolds¹, W. W. Stoops¹,²,³, J. A. Lile¹,²,³, C. R. Rush¹,²,³, ¹Behavioral Science, University of Kentucky, Lexington, KY, ²Psychology, University of Kentucky, Lexington, KY, ³Psychiatry, University of Kentucky, Lexington, KY

Impact of lisdexamfetamine on retention of methamphetamine-dependent patients in a residential facility
M. J. Mancino², J. D. Thostenson³, J. B. Guise², J. McLaugh², A. Oliveto², ²Psychiatry, University of Arkansas for Medical Sciences, Little Rock, AR, ³Biostatistics, University of Arkansas for Medical Sciences, Little Rock, AR

Cue-induced cocaine craving increases with aripiprazole treatment in methadone-maintenance patients
L. Moran¹, K. A. Phillips¹, W. J. Kowalczyk¹, U. Ghitza², D. H. Epstein¹, K. L. Preston¹, ¹NIDA-IRP, Baltimore, MD, ²NIDA, Baltimore, MD

A novel approach to naltrexone injections may reduce complications and increase adherence
J. Walker¹, D. Santos³, C. Rowe¹, G. Santos¹,², S. Jung¹, P. Coffin¹,², ¹Substance Use Research Unit, San Francisco Department of Public Health, San Francisco, CA, ²Community Health Systems, University of California San Francisco, San Francisco, CA, ³Housing and Urban Health, San Francisco Department of Public Health, San Francisco, CA, 4Division of HIV/AIDS, University of California, San Francisco, San Francisco, CA

Changes in quality of life in cocaine-dependent participants provided treatment with buprenorphine and naloxone and extended-release naltrexone
D. Blumberg¹, F. Carrizales², W. Kazanis², M. P. Hillhouse¹, A. G. Matthews⁴, J. S. Potter², ¹NIDA Clinical Coordinating Center, The Emmes Corporation, Rockville, MD, ²Psychiatry, UT Health Science Center, San Antonio, TX, ³Integrated Substance Abuse Programs, University of California, Los Angeles, CA, 4The Emmes Corporation, Rockville, MD

Participant treatment assignment perceptions in the NIDA CTN cocaine use reduction with buprenorphine study
A. G. Matthews², M. P. Hillhouse¹, C. Thomas¹, W. Ling¹, D. Blumberg², ¹UCLA, Los Angeles, CA, ²Emmes, Rockville, MD

Use of contingency management for crack cocaine dependence in South America: Preliminary results from a randomized clinical trial
A. Q. Miguel¹, C. S. Madruga², S. McPherson³, M. G. McDonell³, J. M. Roll³, R. Laranjeira², ¹Psychiatry, Federal University of São Paulo, Sao Paulo, Brazil, ²Psychiatry, Universidade Federal de São Paulo, Sao Paulo, Brazil, ³Washington State University, Spokane, WA
PRESCRIPTION DRUGS

91 Early exposure to prescription drugs and substance use disorder symptoms in adulthood
P. T. Veliz1, J. Schulenberg2, S. McCabe1, 1Institute for Research on Women & Gender, University of Michigan, Ann Arbor, MI, 2Institute for Social Research, University of Michigan, Ann Arbor, MI

92 Reasons for prescription opioid misuse while playing in the NFL associated with current use and misuse among retired players
E. M. Dunne1, C. W. Striley2, N. E. Whitehead1, L. Cottler2, 1Clinical and Health Psychology, University of Florida, Gainesville, FL, 2Epidemiology, University of Florida, Gainesville, FL

93 Physical health of women recovering from prescription opioid abuse
K. R. Marks, M. Delaney, C. Leukefeld, Behavioral Science, University of Kentucky, Lexington, KY

94 Association between lifetime heroin use and perceived risk of heroin among nonmedical prescription opioid users
V. R. Votaw1, K. McHugh1,3, 1McLean Hospital, Belmont, MA, 3Harvard Medical School, Boston, MA

95 Patient perspectives of transitioning from prescription opioids to heroin and the role of route of administration
L. Monico, S. G. Mitchell, Friends Research Institute, Baltimore, MD

96 Defining problematic pharmaceutical opioid use among people prescribed opioids for chronic non-cancer pain: Different measures, same patients?
G. Campbell5, R. Bruno2, M. Cohen3, W. Hall4, S. Nielsen5, N. Lintzeris1, B. Larance5, R. P. Mattick5, M. Farrell5, L. Degenhardt5, 1Langton Centre, Sydney, NSW, Australia, 2School of Medicine, University of Tasmania, Hobart, TAS, Australia, 3Clinical School, St. Vincents, Sydney, NSW, Australia, 4Centre for Youth Substance Abuse Research, University of Queensland, Brisbane, QLD, Australia, 5National Drug and Alcohol Research Centre, UNSW, Sydney, NSW, Australia

97 A fully automated algorithm for identifying patients with problem prescription opioid use using electronic health record data
D. Carrell1, J. Mardekian2, D. Cronkite1, A. Ramaprasan1, K. Hansen1, D. E. Gross2, R. E. Palmer2, E. Masters2, M. Von Korff1, 1Group Health Research Institute, Seattle, WA, 2Pfizer Inc., New York, NY

98 Prescribing opioids safely in the emergency department study: Predictors of emergency department discharge with high morphine milligram equivalent prescription
K. Hawk1, S. Weiner2, J. Dzirula1, D. A. Fiellin3, D. DaEun4, L. Nelson5, J. Hoppe6, J. Perrone7, G. D’Onofrio1, 1Emergency Medicine, Yale University, New Haven, CT, 2Emergency Medicine, Brigham & Women’s Hospital, Boston, MA, 3Internal Medicine, Yale University, New Haven, CT, 4Harvard Medical School, Boston, MA, 5Emergency Medicine, NYU, New York, NY, 6Emergency Medicine, University of Colorado, Denver, CO, 7Emergency Medicine, University of Pennsylvania, Philadelphia, PA
Patterns of prescription drug use in Spain: The European opioid treatment patient survey
F. Fonseca2,4,5, M. Torrens2,4,5, M. Farré6,4,5, J. L. Green1, I. Maremmani2,8, M. Guareschi8,
M. Auriccome3, N. Scherbaum9, T. Clausen10, D. Hill11, R. C. Dart1, 1RADARS System, Denver
Health, Denver, CO, 2Institut de Neuropsiquiatria i Addiccions, Parc de Salut Mar, Barcelona,
Spain, 3Addiction Psychiatry (CNRS USR 3413), Universite Bordeaux, Bordeaux, France, 4Institut
Hospital del Mar d’Investigacions Mèdiques, PSMAR, Barcelona, Spain, 5Universitat Autònoma
de Barcelona, Barcelona, Spain, 6Hospital Universitari Germans Trias i Pujol-IGTP, Badalona,
Spain, 7Department of Neurosciences, Santa Chiara University Hospital, Pisa, Italy, 8Associazione
per l’Utilizzo delle Conoscenze Neuroscientifiche a fini Sociali, Pietrasanta, Italy, 9Department
of Psychiatry, LVR Clinic, Essen, Germany, 10Norwegian Centre for Addiction Research, Oslo,
Norway, 11NHS Lanarkshire, Motherwell, United Kingdom

Alcohol, cannabis, and cigarette use and non-medical prescription drug use stages
B. J. Arterberry2, S. R. Horbal1, H. Lin1, A. Buu2, 1Indiana University, Bloomington, IN,
2University of Michigan, Ann Arbor, MI

Collaborative care for injured patients with prescription drug misuse: A feasibility study
L. K. Whiteside1, D. Darnell2, K. Jackson1, D. Donovan2,3, D. Zatzick2, 1Division of
Emergency Medicine, University of Washington, Seattle, WA, 2Psychiatry and Behavioral
Sciences, University of Washington, Seattle, WA, 3Alcohol and Drug Abuse Institute,
University of Washington, Seattle, WA

Acceptability and feasibility of an intervention for overdose and HIV risk during addictions
treatment for patients with prescription opioid misuse
A. S. Bohnert, M. Walton, F. Blow, L. Thomas, M. Ilgen, Psychiatry, University of Michigan,
Ann Arbor, MI

Change in overdose/poisoning diagnoses in patients prescribed oxyContin after its
reformulation with abuse-deterrent properties
P. Coplan1, A. Kadakia3, R. Singh3, A. DeVeaugh-Geiss1, 1RIsk Management and
Epidemiology, Purdue Pharma, Stamford, CT, 3Purdue, Stamford, CT

Syposium XV

RISKY BUSINESS: NEUROBIOLOGICAL MECHANISMS OF
RISKY DECISION MAKING IN DRUG ABUSE
AND ADDICTION

Chairs: Shelley Su and Carlos Blanco

10:00 Dopaminergic modulation of frontal-amygdalar-striatal circuits subserving risk/reward decision making
Stan Floresco, University of British Columbia, Vancouver, BC, Canada

10:24 Risky decision making, cocaine self-administration, and dopamine signaling
Barry Setlow, University of Florida, Gainesville, FL

10:48 Linking neural networks to markers of dopamine signaling and risky decision-making in methamphetamine dependence
Milky Kohno, University of California, Los Angeles, CA

11:12 The danger of inadequate risk and reward processing in drug addiction
Martin P Paulus, Laureate Institute for Brain Research, Tulsa, OK

11:36 DISCUSSANT: Risky decision making: towards integrating basic and clinical perspectives
Carlos Blanco, NIH/NIDA/DESPR, Bethesda, MD
Oral Communications 20

TRADING PLACES: RACE/SOCIO ECONOMIC STATUS

Chairs: Debra Furr-Holden and Raymond L. Moody

10:00 Alcohol use among Native Americans compared to whites: Examining the veracity of the 'Native American elevated alcohol consumption' belief
   J. K. Cunningham1,2, T. A. Solomon1, M. L. Muramoto2, 1Native American Research and Training Center, University of Arizona, Tucson, AZ, 2Family and Community Medicine, University of Arizona, Tucson, AZ

10:15 Racial, ethnic and gender disparities in substance use at discharge
   E. Guerrero1, K. Fenwick1, Y. Kong1, H. Amaro2, 1School of Social Work, University of Southern California, Los Angeles, CA, 2Social Work and Preventive Medicine, University of Southern California, Los Angeles, CA

10:30 Emotion regulation moderates the relationship between perceived discrimination and risk behaviors in African American college students
   A. M. Heads1, L. G. Castillo2, A. Glover2, J. Schmitz1, 1University of Texas HSC Houston, Houston, TX, 2Texas A&M University, College Station, TX

10:45 The impact of discrimination on drug dependence among gay and bisexual men: A look at the role of emotion dysregulation
   R. L. Moody1,2, J. T. Parsons1,2, C. Grov2, 1Psychology, Graduate Center, City University of New York, New York, NY, 2Center for HIV Educational Studies and Training (CHEST), New York, NY

11:00 Association between any major discrimination and current cigarette smoking among adult African American men
   L. J. Parker1, B. Kinlock1, D. Chisolm3, D. Furr-Holden2, R. Thorpe1, 1Health, Behavior, and Society, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, 2Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, 3Sociology, Morgan State University, Baltimore, MD

11:15 Associations between educational attainment, smoking history, quit attempts and interest in quitting
   R. Denlinger2, J. W. Tidey2, D. Hatsukami3, E. Donny1, 1University of Pittsburgh, Pittsburgh, PA, 2Brown University, Providence, RI, 3University of Minnesota, Minneapolis, MN

11:30 Diminished alternative reinforcement mediates socioeconomic disparities in adolescent substance use: A longitudinal study
   N. Andrabi1, A. Leventhal1, R. Khoddam2, 1Institute for Preventive Medicine, University of Southern California, Los Angeles, CA, 2Psychology, University of Southern California, Los Angeles, CA

11:45 Perceived social support and socioeconomic status predict maternal delay discounting behavior and neural function in healthy postpartum women
   L. K. Brents, J. Young, B. Knight, J. L. Coker, S. L. Ray-Griffith, Z. Stowe, G. A. James, C. Kilts, University of Arkansas for Medical Sciences, Little Rock, AR
Oral Communications 21  

Thursday, June 16, 2016  

Fiesta 6/8  
10:00 - 12:00 PM  

TRAINSPOTTING: OVERDOSE  

Chairs: Alexander Y. Walley and Amy Peacock  

10:00  Use of a prescription opioid registry to examine opioid misuse and overdose  
C. Campbell1, A. Bahorik3, C. Weisner1,3, P. VanVeldhuisen2, A. Rubinstein4, T. Ray1,  
1Division of Research, Kaiser Permanente Northern California, Oakland, CA, 2The EMMES  
Corporation, Rockville, MD, 3Psychiatry, UCSF, San Francisco, CA, 4Anesthesiology, Kaiser  
Permanente, Santa Rosa Medical Center, Santa Rosa, CA  

10:15  Polypharmacy and non-fatal overdose in patients with HIV infection and substance dependence  
University Schools of Medicine and Public Health, Boston, MA  

10:30  Same-day use of opioids and depressants: A retrospective diary study  
A. Peacock5,3, R. Bruno4, B. Larance4, N. Lintzeris1, R. Ali2, D. Oen3, O. Sotade3, N. White2,  
L. Degenhardt1, 1Langton Centre, Sydney, NSW, Australia, 2University of Adelaide,  
Adelaide, SA, Australia, 3National Drug and Alcohol Research Centre, University of NSW,  
Sydney, NSW, Australia, 4University of New South Wales, Sydney, NSW, Australia, 5School  
of Medicine, University of Tasmania, Hobart, TAS, Australia  

10:45  Factors associated with nonfatal overdose among young opioid users: Heroin and  
benzodiazepine use, prescription opioid and heroin injection and HCV status  
P. Mateu-Gelabert1, H. Guarino1, D. Frank1, K. Ruggles3, C. Syckes1, E. Goodbody1,  
S. R. Friedman1, 1NDRI, New York, NY, 3NYU, New York, NY  

11:00  Overdose risk behaviors during the period preceding non-fatal overdose events among veterans  
A. S. Bennett1, E. R. Pouget2, L. Elliott2, A. Golub2, A. Rosenblum2, P. Britton3, 1National  
Development and Research Institutes, New York City, NY, 2NDRI, New York, NY, 3Medical  
Center, University of Rochester, Rochester, NY  

11:15  Integrating opioid overdose prevention in the emergency department  
R. McCormack, MD2, C. Koziatke, MD2, A. Rubin1, L. O’Donnell2, L. Nelson1, 1NYU School  
of Medicine, New York, NY, 2Ronald O. Perelman Department of Emergency Medicine, NYU  
School of Medicine, New York, NY  

11:30  Effect of local health department leadership on community overdose prevention coalitions  
A. A. Alexandridis, N. Dasgupta, C. Ringwalt, C. Sanford, A. McCort, Injury Prevention  
Research Center, University of North Carolina at Chapel Hill, Chapel Hill, NC  

11:45  Help-seeking among community responders trained in overdose prevention and naloxone  
administration  
A. Y. Walley1, J. Sisti4, L. Forman2, S. Ruiz3, Z. Xuan2, 1BU School of Med, Boston, MA, 2BU  
School of Public Health, Boston, MA, 3Mass Dept of Public Health, Boston, MA, 4Harvard  
School of Public Health, Boston, MA
Oral Communications 22  

COCAINE COWBOYS: CLINICAL STUDIES

Chairs: William W. Stoops and Margaret Haney

10:00  Changes in brain white matter integrity after PPAR-gamma agonist treatment for cocaine use disorder
S. D. Lane¹, K. M. Hasan², B. Mwangi¹, P. A. Narayana³, j. vincent¹, F. Moeller⁴, J. Steinberg⁴, K. Dineley³, K. A. Cunningham², J. Schmitz¹, ¹Psychiatry & Behavioral Sciences, University of Texas Health Science Center - Houston, Houston, TX, ²Center for Addiction Research, University of Texas Medical Branch, Galveston, TX, ³Neurology, University of Texas Medical Branch, Galveston, TX, ⁴Institute for Drug and Alcohol Studies, Virginia Commonwealth University, Richmond, VA, ⁵Diagnostic and Interventional Imaging, University of Texas Health Science Center - Houston, Houston, TX

10:15  Modafinil reduces cocaine self-administration in humans: Effects vary as a function of cocaine ‘priming’ and cost
M. Haney¹, E. Rubin², R. Foltin¹, ¹Psychiatry, Columbia University Medical Center, New York, NY, ²Psychiatry, Harlem Hospital, New York, NY

10:30  Safety and tolerability of cocaine during phendimetrazine maintenance
W. W. Stoops¹,²,³, J. A. Lile¹,²,³, L. R. Hays³, A. O. Rayapati³, C. R. Rush¹,²,³, ¹Behavioral Science, University of Kentucky, Lexington, KY, ²Psychology, University of Kentucky, Lexington, KY, ³Psychiatry, University of Kentucky, Lexington, KY

10:45  Effect of a glucocorticoid receptor antagonist - mifepristone - on relapse risk in cocaine-dependent men
W. N. Raby¹,², F. R. Levin¹, E. V. Nunes¹, ¹Psychiatry, Columbia University, New York City, NY, ²Psychiatry, Albert Einstein College of Medicine, Bronx, NY

Oral Communications 23  

BUFFALO SOLDIERS: OPIOID PRECLINICAL STUDIES

Chair: Hsiao-Ying Wey

11:15  Pharmacological characterization of the opioid inactive isomers (+)-naltrexone and (+)-naloxone as toll-like receptor 4 antagonists
X. Wang, Chemical Biology Laboratory, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, China

11:30  Simultaneous PET/MRI of static and dynamic functional connectivity to opioids
H. Wey, B. R. Rosen, J. B. Mandeville, Martinos Center for Biomedical Imaging, Department of Radiology, Massachusetts General Hospital, Harvard Medical School, Boston, MA

11:45  Individual differences in heroin reward perception in C57BL/6 mice
C. Wincott, B. Reed, V. Yuferov, M. Kreek, Laboratory of the Biology of Addictive Diseases, The Rockefeller University, New York, NY

12:00  Remifentanil vs. food choice under a dependent schedule
J. J. Chow, J. S. Beckmann, Psychology, University of Kentucky, Lexington, KY
BRUNCH WITH CHAMPIONS  
(PRE-REGISTRATION ONLY)  

Oral Communications 24  

REEFER MADNESS: CANNABIS AND CANNABINOIDS  

Chairs: Jan Copeland and Staci Gruber  

1:15  Serotonergic responsiveness after repeated exposure to the synthetic cannabinoid JWH-018  
J. S. Elmore, M. H. Baumann, IRP, NIDA, NIH, Baltimore, MD  

1:30  Cannabidiol attenuates a spatial working memory impairment caused by THC in monkey  
M. A. Taffe¹, C. Glavis-Bloom², J. D. Nguyen¹, ¹CNAD, The Scripps Research Institute, La Jolla, CA, ²SRI, International, Menlo Park, CA  

1:45  Splendor in the Grass? A pilot study assessing the impact of medical marijuana on cognition  
S. Gruber¹,², M. Dahlgren¹,², K. Sagar¹, A. Gonenc¹,², M. Racine¹, R. Smith¹, S. E. Lukas²,³, ¹Cognitive & Clinical Neuroimaging Core, McLean Hospital - Imaging Center, Belmont, MA, ²Department of Psychiatry, Harvard Medical School, Belmont, MA, ³Department of Psychology, Tufts University, Medford, MA  

2:00  Sleep-related problems in adults receiving medical cannabis  
M. Ilgen²,¹, K. Bohnert²,¹, ¹Psychiatry, University of Michigan, Ann Arbor, MI, ²VA Center for Clinical Management Research (CCMR), Ann Arbor, MI  

2:15  Reductions in traffic fatalities rates across states with operational dispensaries of marijuana  
J. Santaella¹, C. Mauro², M. M. Wall², J. H. Kim¹, S. S. Martins¹, ¹Epidemiology, Columbia University, New York City, NY, ²Biostatistics, Columbia University, New York, NY  

2:30  Illicit drug use among young adult marijuana users in Los Angeles: Implications for medical use  
E. V. Fedorova, S. E. Lankenau, Community Health and Prevention, Drexel University, Philadelphia, PA  

2:30  The relationship of age to cannabis use and motives for use among medical cannabis dispensary patients  
J. E. Sottile¹, N. A. Haug¹, C. B. Padula², A. Heinz²,³, M. O. Bonn-Miller²,³, ¹Palo Alto University, Palo Alto, CA, ²Psychiatry, VA Palo Alto Health Care System, Palo Alto, CA, ³Center of Excellence in Substance Abuse Treatment and Education, VA Palo Alto Health Care System, Menlo Park, CA  

2:45  Comparison of brief versus extended feedback in an online intervention for cannabis users: A randomised controlled trial  
J. Copeland², S. Rooke¹, L. Gibson², ¹Nil, Sydney, NSW, Australia, ²National Cannabis Prevention and Information Centre, University of NSW, Sydney, NSW, Australia
Oral Communications 25

200 Cigarettes: Nicotine

Chairs: Yasmin Mashhoon and Elias M. Klemperer

1:15 Increased nicotine exposure decreases sensitivity to the nicotine-like effects of AChE inhibitors in monkeys discriminating nicotine
M. J. Moerke, L. McMahon, Pharmacology, University of Texas Health Science Center, San Antonio, TX

1:30 Effects of chronic nicotine treatment and discontinuation on nicotine self-administration
S. Kohut, C. Barkin, J. Bergman, McLean Hospital/Harvard Medical School, Belmont, MA

1:45 Repetitive transcranial magnetic stimulation of the dorsal lateral prefrontal cortex inhibits medial orbitofrontal activity in smokers
X. Li1, G. Sahlem1, C. A. Hanlon1, K. J. Hartwell1, B. Badran1, S. Henderson1, M. George1,2, 1Department of Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, SC, 2Psychiatry, Ralph H. Johnson VA Medical Center, Charleston, SC

2:00 A behavioral and neurophysiological examination of the impact of smoking abstinence on drug and non-drug reinforcement
N. Schlienz1,2, L. Hawk2, 1Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine, Baltimore, MD, 2Psychology, State University of New York at Buffalo, Amherst, NY

2:15 Nicotine withdrawal induces neural and behavioral deficits in reward processing
J. Oliver1, D. E. Evans2, M. Addicott1, T. Brandon2, D. J. Drobes2, 1Psychiatry and Behavioral Sciences, Duke University, Durham, NC, 2Health Outcomes and Behavior, Moffitt Cancer Center, Tampa, FL

2:30 The effects of nicotine administration and drug cue on impulsivity
S. Martinez1,2,3, J. D. Jones1, A. Bisaga1, S. D. Comer1, 1Division on Substance Abuse, New York State Psychiatric Institute and Department of Psychiatry, College of Physicians and Surgeons, Columbia University, New York, NY, 2Derner Institute of Advanced Psychological Studies, Adelphi University, Garden City, NY, 3Translational Research Training Program in Addiction, City College of New York, New York, NY

2:45 Reduction in cigarettes per day prospectively predicts quit attempts and cessation in smokers who are not ready to quit
E. M. Klemperer, J. Hughes, Psychiatry and Psychological Sciences, University of Vermont, Burlington, VT

2:45 Early age of cigarette smoking onset is associated with greater P300 smoking cue reactivity
Y. Mashhoon1, J. Betts2, S. L. Farmer2, S. E. Lukas1, 1McLean Imaging Center, Harvard Medical School | McLean Hospital, Belmont, MA, 2McLean Imaging Center, McLean Hospital, Belmont, MA
SWEEPSTAKES DRAWING

YOU MUST BE SEATED IN ONE OF THE SESSIONS
STARTING AT 1:15 PM IN ORDER TO HAVE YOUR
BADGE COLLECTED

HAVE A SAFE TRIP HOME!

SEE YOU IN MONTREAL, CANADA, JUNE 17-22, 2017
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