



CPDD 75th Annual Scientific Meeting Program

June 15-20, 2013

**Hilton Bayfront Hotel
San Diego, CA**



Focus on Women & Sex/Gender Differences

2013 Mini-Program



National Institute
on Drug Abuse

National Institutes of Health – U.S. Department of Health & Human Services

PREFACE

Accumulating evidence indicates that the antecedents, consequences, and mechanisms of drug abuse and addiction often differ in males and females and that sex/gender is an important variable in treatment and prevention. To foster research on women and sex/gender differences in all areas of drug abuse research, both human and animal, since 1999 the National Institute on Drug Abuse (NIDA) has encouraged submission of abstracts on this topic for the annual meeting of the College on Problems of Drug Dependence (CPDD). The response has been very gratifying as evidenced by the numerous presentations on this topic in this year's CPDD program, as well as in previous years' programs.

NIDA is pleased to provide you with this special version of the CPDD program that contains the program schedule for presentations related to women and sex/gender differences, including NIDA's International Forum Poster Session on Monday evening. We hope that this mini-program will be useful for those conducting research in this area. For those of you who do not conduct sex/gender-based research, we hope that this mini-program will suggest ways in which incorporating this perspective and methodology can inform and advance your research program.

To support junior investigators pursuing research careers on women and sex/gender differences, special NIDA travel awards have been granted annually since 1999. Each year these competitive awards have been given to up to 30 junior investigators (students and investigators who are no more than five years past the doctoral degree or residency) whose CPDD abstract on this topic is accepted for either a poster or oral session. NIDA congratulates this year's travel awardees. Their names along with the title of their presentation are listed on pages 4 and 5, and on the following pages is a listing of all prior years' awardees.

To those of you who are junior investigators and engage in research on women and sex/gender differences, or are interested in pursuing research in this important area, NIDA will again sponsor the Women & Sex/Gender Junior Investigator Travel Awards for the 2014 CPDD meeting in San Juan, Puerto Rico, June 14-19, and we encourage you to apply (see the announcement on page 36).

Finally, if you are are interested in exploring funding opportunities for research on women and sex/gender differences, please see the listing on page 35.

For additional information on NIDA's Women and Sex/Gender Differences Research Program, contact:

- Dr. Samia Dawud Noursi, NIDA Women and Sex/Gender Differences Research Program, Deputy Coordinator, telephone 301-594-5622; snoursi@mail.nih.gov, or
- Dr. Cora Lee Wetherington, NIDA Women and Sex/Gender Differences Research Program, Coordinator, telephone 301-435-1319; cwetheri@nida.nih.gov.

This Mini-Program was prepared by Dr. Samia Dawud Noursi, Deputy Coordinator, NIDA's Women and Sex/ Gender Differences Research Program

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**NIDA'S WOMEN & SEX/GENDER DIFFERENCES
JUNIOR INVESTIGATOR TRAVEL AWARDEES FOR CPDD 2013**

Canterberry, Melanie Medical University of South Carolina	Hypoactive BOLD response to general emotional stimuli among cocaine-dependent women (Page 32)
Crane, Natania University of Illinois at Chicago	Sex differences in associations between age of initiated cannabis use & neuropsychological performance (Page 23)
Dumitrescu, Mihai Holtz Children's Hospital UM Jackson Memorial Medical Center	Association of childhood sexual and other physical abuse with lifetime and prenatal drug use in urban African-American women (Page 26)
Dunne, Eugene University of Florida	Women who trade sex for drugs only as a high-risk subgroup of sex workers: An exploratory analysis (Page 33)
Flentje, Annesa University of California San Francisco	Differences by gender identity for individuals in substance abuse treatment (Page 9)
Froeliger, Brett Medical University of South Carolina	Gender differences in state-dependent affective brain function and motivations to smoke (Page 8)
Goletiani, Nathalie BPRL/McLean Imaging Center	Nicotine, HPA axis hormones and mood states in women (Page 30)
Hand, Dennis University of Vermont	Identifying avenues for interventions to increase contraceptive use by opioid-maintained women (Page 21)
Hearn, Lauren University of Florida	The association between incarceration history and HIV-related drug risk behaviors (Page 28)
Levi Minzi, Maria A. Nova Southeastern University	Sex trading, substance abuse, and mental health problems among indigent HIV positive women: Implications for HIV treatment, adherence, and diversion (Page 12)
Lopez, Alexa Univeristy of Vermont	Relationships between postpartum cigarette smoking and breastfeeding duration (Page 21)
Martin, Caitlin Hopkins University School of Medicine	Contraception continuation among female exotic dancers seeking Johns mobile reproductive health services concurrent with syringe exchange (Page 31)
Meier, Elizabeth University of Michigan Substance Abuse Research Center	A longitudinal study of adolescent girls' medical misuse and nonmedical use of CNS depressant (Page 11)

Metz, Verena Columbia University	Favorable outcomes in newborns prenatally exposed to buprenorphine compared to methadone and slow-release oral morphine (Page 14)
Milivojevic, Verica Yale University School of Medicine	Effects of plasma allopregnanolone levels on drug craving in cocaine-dependent men and women (Page 20)
Mueller, Melanie Johns Hopkins University School of Medicine	Sex differences of MDMA metabolism in squirrel monkeys: A comparison to findings in humans (Page 10)
Oberleitner, Lindsay Yale University School of Medicine	Childhood stressors differentially affect age of first use and telescoping across women and men (Page 30)
Patton, Rikki University of Michigan	Transactional sex among an emergency department sample: Exploring gender, substance abuse and HIV risk (Page 33)
Saxena, Preeti UCLA Integrated Substance Abuse Program	Childhood abuse is associated with alcohol use outcomes after gender responsive treatment for women in prison (Page 28)
Spellicy, Catherine Baylor College of Medicine	Interaction of gender and genetics in response to cocaine vaccine (Page 10)
Vidot, Denise University of Miami Miller School of Medicine	Arrest for violent offenses in early adulthood: Predictions from prenatal and adolescent cocaine exposure (Page 28)
Walsh, Kate Columbia University Mailman School of Public Health	Gender-based violence, psychopathology and substance use disorders in a national sample of women (Page 13)
Wetherill, Reagan University of Pennsylvania Perelman School of Medicine	Sex Differences in Brain Responses to Smoking Cues: A Perfusion fMRI Study (Page 8)
Wooten, Nikki Boston University School of Social Work	Gender differences in substance use treatment utilization the year prior to deployment in Army Service Members (Page 29)
Yang, Yang Texas Christian University	Sex/Gender Differences and the Impact of Risk Factors on Psychosocial Functioning on the Time to re-Arrest among Offenders Treated for Substance Use (Page 25)
Yates, Justin University of Kentucky	Concurrent choice between cues for social interaction and amphetamine in adolescent male and female rats (Page 10)
Zlebnik, Natalie University of Minnesota	Effects of orexin receptor antagonism on methamphetamine seeking in male and female adolescent and adult rats (Page 34)

NIDA'S WOMEN & SEX/GENDER DIFFERENCES JUNIOR INVESTIGATOR 1999 – 2012 TRAVEL AWARDEES

1999

Linda Chang
Tom Eisenberg
Robert Freeman
Wendy Lynch
Michelle Pilati
Tanya Telfair Sharp

2000

Sharon M. Benedict
Scott F. Coffey
Igor Elman
Sonja Frison
Carolyn Furr-Holden
Sascha Griffing
Louis Holdstock
Marianna E. Jung
Mikhail Kalinichev
Julia Y.S. Kim
Jody L. Kulstad
Jane Liebschutz
Gloria M. Miele
Maureen Miller
Sonia Minnes
Erik R. Rasmussen
Liesbeth Reneman
Megan E. Roth
Alyson Schuster
Cathy A. Simpson
Yong S. Song
Janet C. Titus
Giao Q. Tran
Courtney V. Valdez
Wenxia Zhou
Zoran Zimolo

2001

Sudie E. Back
Andrew C. Barrett
Kimberly A. Blanchard
Carrie A. Bowen
Marcy J. Bubar
Kelly P. Cosgrove
Catherine M. Dormitzer
Teresa R. Franklin
Tony P. George
Maria A. Gomez-Serrano
Staci A. Gruber
Maureen Hillhouse
Marianna E. Jung
Katherine Karlsgodt
Sheri Kendall-Eagleson
Carolynn S. Kohn

Marguerite P. Laban
Christina N. Lessov
Katherine H. McVeigh
Nena P. Messina
Donna R. Miles
Laura A. Schleifer
Sohaila Shakib
Carla Storr
Jolan M. Turner
Alan H. Tseng
Ellen Wolfe
Li-Tzy Wu
Rebecca M. Young
Wenxia Zhou

2002

Andrew C. Barrett
Klark Bennett
Veronica Bisagno
Jessica Dean
Jay C. Elliott
Eugene D. Festa
Colin N. Haile
Sara M. Handy
Carlos A. Hernandez-Avila
Sharon D. Johnson
Lynne M. Kemen
Wendy J. Lynch
Sherry A. McKee
Aimee L. McRae
Katherine J. McVeigh
Fumi Mitsuiishi
Christina J. Nelson
Jessica M. Peirce
Marc N. Potenza
Lynda Payne
Jovita F. Randal
Kara S. Riehman
Megan E. Roth
Scott Russo
Pilar M. Sanjuan
Valerie J. Slaymaker
Anna Söderpalm
Erin C. Stoffel
Carolyn H. Stone
Jolan M. Turner

2003

Arpana Agrawal
Jeffery C. Batis
Kelly A. Carrigan
Christine C. Cloak
Amy M. Duhig

Kathryn L. Hamilton
Sarah H. Heil
Mary M. Heitzeg
Tzipora Kuba
Elizabeth Lapoczka
Joshua A. Lile
Charles W. Mathias
Alessandra Milesi-Halle
Maria Mouratidis
Jo Cara Pendergrass
Michele L. Pergadia
Jennifer M. Phillips
Stephanie L. Rock
Juliette K. Roddy
Lori E. Ross
Deborah Scharf
Gregory R. Simpson
Erin C. Stoffel
Adriana M. Tucci
Karen A. Tucker
Carmella Walker
Alexander Y. Walley
Amy M. Windham
Helen Z. Wu
Xiang-Y. Zhang
Molly E. Zimmerman

2004

Declan T. Barry
Courtney Breen
Wilma J. Calvert
Joy E. Chudzynski
Stephanie L. Collins
Charles D. Cook
Katherine O. Courtney
Karin M. Eyrich
Anita F. Fernander
Leah J. Floyd

Kate E. Fothergill
Nancy A. Haug
Scott M. Hyman
Martha A. Jessup
Matthew W. Johnson
Lynne M. Kemen
Daniel D. Langleben
Chiang-Shan R. Li
Nikeea Linder
Lisa M. Lomas
M. Maldonado-Molina
Jesse Mason
Sean E. McCabe
Nena P. Messina

Susan Mikulich-Gilbertson
Michael H. Mohammadi
Arbi Nazarian
Vicki A. Nejtck
Bronson F. Oosterhuis
Jennifer L. Perry
Rajeev Ramchand
Punita K. Sunder
Annelyn Torres-Revercón
Lei-wei Wan
Yan Wang
Catherine Woodstock-Striley
Mansoon Yu

2005

Stephanie Afful
Alicia Allen
Sudie Back
Soojeong Bae
Ain Chung
Kelly Cosgrove
Catherine Davis
Frank Dillon
Catherine Domier
Mark Ferris
Andrea Gordon
Kerry Grohman
William J. Kowalczyk
Steven LaRowe
Erin Larson
Adam Leventhal
Sarah Meshberg-Cohen
Marc Mooney
Ashley Myracle
Noosa Niv
Joshua Ode
Prashni Paliwal
Gail Pereira Do Carmo
Sarah Podolin
Andrea Stone
Jesse Suh
Jean Sumner
Dawn Thatcher
Karen Weierstall
Maria Zarza

2006

Lynn M. Anderson
Justin J. Anker
Shanna Babalonis
Vinita Batra
Jeffrey C. Batis
Kipling Bohnert

Wendy Beth Bostwick
Gregory Breeden
Ya-Fen Chan
Emma Childs
Marc L. Copersino
Christine Coyne
Matthew W. Feltenstein
Lesley L. Green
Jennifer R. Havens
Deirtra A. Hunter
Brian C. Kelly
Katherine Keyes
Betha Kleykamp
Benjamin P. Kowal
Joshua A. Lile
Jennifer L. Newman
Elizabeth Reynolds
Deborah Rinehart
Allison V. Schlosser
Wei-Lun Sun
Yan Wang
Andrea H. Weinberger
Rinah Yamamoto

2007

Nicole J. Amador
Justin J. Anker
Emma Childs
Chris S. Culbertson
Melissa A. Davey-Rothwell
Catherine L. Dempsey
Matt W. Feltenstein
Tracie J. Gardner
Eugenia C. Garvin
Tonya M. Gerald
Lilian A. Ghandour
Valerie S. Harder
Emily L.R. Harrison
Mathilde M. Husky
Jennifer E. Johnson
Monique B. Kelly
Kerry A. Kerstetter
Kristin M. Lester
Orna Levran
Silvia S. Martins
Clifford C. Michaels
Peter T. Morgan
Megan E. Piper
Peter G. Roma
Katharine M. Seip
Michele Staton-Tindall

Golfo K. Tzilos
Tomoko Udo
Karla D. Wagner
Mary Waldron
Matthew T. Weaver

2008

Alexis W. Ary
Jeffery C. Batis
Amy S. Buchanan
Ya-Fen Chan
Hui Cheng
Carla K. Danielson
Amy C. Janes
Du Jiang
Kerry A. Kerstetter
Stephen J. Kohut
Tanja C. Link
Catalina Lopez-Quintero
Jamie E. Mangold
R. Kathryn McHugh
Carrie B. Oser
Jennifer G. Plebani
Mirjana Radovanovic
Deborah J. Rinehart
Sarah C. Roberts
Ty S. Schepis
Lisa M. Shannon
Anne E. Smith
Courtney E. Smith
Oriana Vesga-Lopez
Mary Waldron
Monique E. Wilson
Peggilee Wupperman
Ellena S. Zakharova

2009

Oluwayimika Adelaja
Alicia Allen
Shanna Babalonis
Deanne M. Buffalari
Michelle Burns
Manuel M. Catacora
Courtenay Cavanaugh
Victoria H. Coleman
Brett Froeliger
Lauren Harte
Ana Hilde
Nathan A. Holtz
Stuart King
Janet S. Kuramoto

Magalie Lenoir
Neely Mahapatra
Prashanthi Mainampally
Kimber L. Price
Sarah C. Roberts
Veena Satyanarayana
Courtney E. Smith
Zu-in (Shelley) Su
Evelyne M. Tschibelu
Elizabeth E. Van Voorhees
Alexa A. Wakley
Yukiko Washio
Liliane Cambraia Windsor
Luyi Zhou

2010

Leah Comment
Carrol D'Sa
Ashely Dibble
Tera Fazzino
Hélène Géniaux
Rollin Hawkins
Amber Holbrook
Alicia Hulbert
Leila Islam
Kerry Kerstetter
Yulia Khodneva
Grace Kong
Katie Lawson
Grace Lee
Jennifer Lorvick
Typhanye Penniman
Khampaseuth Rasakham
Stella Resko
Deborah Rinehart
Zila Meer Sanchez
Allison Sepulveda
Lisa Shannon
Nora Siegel
Suzanne Spear
Kelly Stewart
Sara Varner
Jan Weiner

2011

Rebecca Ashare
Brendan Clark
Marcel de Dios
Amanda Elton
Irina Esterlis
Diann Gaalema

Rachael Gonzales
Nathan Holtz
Amy Janes
Kerry Kerstetter
Hedy Kober
Alexa Lopez
Yasmin Mashhoon
Tina Mathew
Meghan Morris
Harshini Neelakantan
Katelin Nickel
Stephanie Nygard
Catina O'Leary
Carmela Reichel
Lindsey Robertson
Daniel Roche
Crystal Schiller
Sneha Thamotharan
Frances Valencia
Molly Wilson-Murphy
Luyi Zhou

2012

Natalie Bruner
Junran Cao
Yen-Jung Chang
Lian-Yu Chen
Brittney Cox
Natania Crane
Elise DeVito
Yun Han
Kathi Harp
Krista Lange
Libo Li
Amy Loree
Karsten Lunze
Lisa McFadden
Jason Paris
JoAnna Perry
Alexis Peterson
Erin Pullen
Carolina Ramôa
Carmela Reichel
Jennifer Slane
Megan Smith
Philip Smith
Azure Thompson
Tomoko Udo
Yukiko Washio
Kim Young

Oral Communications 1

**INDIGO D
2:15 - 4:20 PM**

ADDICTION AND PAIN—HARD TO EXPLAIN

Chairs: Michelle R. Lofwall and Kelly E. Dunn

4:05 *Sex differences in VA patients with chronic pain*

M. B. Weimer¹, T. A. Macey², C. Nicolaidis^{1,3}, S. Dobscha^{2,4,5}, B. J. Morasco^{2,4,5}, ¹Department of Medicine, Oregon Health and Science University, Portland, OR, ²Department of Psychiatry, Oregon Health and Science University, Portland, OR, ³Department of Public Health and Preventive Medicine, Oregon Health and Science University, Portland, OR, ⁴Mental Health and Clinical Neurosciences Division, Portland VA Medical Center, Portland, OR, ⁵Portland Center for the Study of Chronic, Comorbid Mental and Physical Disorders, Portland VA Medical Center, Portland, OR

Oral Communications 2

**INDIGO H
2:15 - 4:20 PM**

HE SAID, SHE SAID: GENDER DIFFERENCES

Chairs: James Sorensen and Reagan R. Wetherill

2:20 *The impact of gender and motivation on perceptions of nonmedical use of prescription stimulants*

S. J. Lookatch¹, T. Moore¹, E. C. Katz², ¹Department of Psychology, University of Tennessee, Knoxville, TN, ²Department of Graduate Studies and Research, Towson University, Towson, MD

2:35 *Gender differences in risk perceptions of very low nicotine content cigarettes*

D. L. Joel¹, D. K. Hatsukami², L. Hertsgaard², S. S. Dermody¹, E. C. Donny¹, ¹Psychology, University of Pittsburgh, Pittsburgh, PA, ²Psychiatry, University of Minnesota, Minneapolis, MN

2:50 *Sex differences in brain responses to smoking cues: A perfusion fMRI study*

R. R. Wetherill, K. A. Young, K. Jagannathan, J. Shin, C. P. O'Brien, A. Childress, T. R. Franklin, University of Pennsylvania, Philadelphia, PA

3:05 *Gender differences in state-dependent affective brain function and motivations to smoke*

B. Froeliger¹, F. J. McClernon¹, K. M. Gray², M. E. Saladin², ¹Psychiatry, Duke University Medical Center, Durham, NC, ²Psychiatry, Medical University of South Carolina, Charleston, SC

3:20 *Gender modifying effects on the association between stress and craving*

J. H. Kim, S. Martins, J. Santaella, D. S. Hasin, Epidemiology, Mailman School of Public Health, New York, NY

3:35 *Gender differences in anxiety sensitivity and sensation-seeking in relation to risk-taking on the Balloon Analogue Risk Task (BART)*

G. Kurdziel, A. Collado-Rodriguez, J. M. Townsend, L. MacPherson, C. W. Lejuez, Psychology, University of Maryland, College Park, MD

Sunday, June 16, 2013

3:50 *Poorer parental monitoring is associated with cocaine exposure in early adolescence in girls but not boys*

E. Mansoor¹, V. H. Accornero¹, J. C. Anthony², L. Xue¹, C. Morrow¹, E. Bandstra¹, ¹Pediatrics, University of Miami Miller School of Medicine, Miami, FL, ²Epidemiology, Michigan State University, East Lansing, MI

4:05 *Differences by gender identity for individuals in substance abuse treatment*

A. Flentje¹, N. C. Heck², J. L. Sorensen¹, ¹University of California, San Francisco, San Francisco, CA, ²The University of Montana, Missoula, MT

Workshop I

INDIGO H
8:00 - 10:00 PM

THE INTERTWINING EPIDEMICS OF DRUG USE AND HIV/AIDS: THE HIV/AIDS WORKGROUP

Chairs: Don C. Des Jarlais, James Sorensen and Adam W. Carrico

Drug treatment experiences among female sex workers and their non-commercial partners along the Mexico-U.S. border

Daniel O. Hernandez, University of California at San Diego, La Jolla, CA

Levamisole-contaminated cocaine use is associated with lower levels of prealbumin and white blood cell count in HIV-infected homeless women

Elise D. Riley, University of California at San Francisco, San Francisco, CA

Workshop III

INDIGO A
8:00 - 10:00 PM

ANIMAL MODELS OF SEX DIFFERENCES AND DRUG ABUSE: MIND THE GAPS

Chairs: Suzette M. Evans and Cora Lee Wetherington

Sex influences on brain and emotional memory: The burden of proof has shifted

Larry Cahill, University of California, Irvine, Irvine, CA

The contribution of social and environmental variables in our understanding of sex differences in substance abuse

Michael Nader, Wake Forest University School of Medicine, Winston-Salem, NC

Sex and phenotypic variables affecting drug abuse and its treatment

Justin Anker, University of Minnesota, Minneapolis, MN

Sex differences in triggers to relapse and pharmacological interventions in an animal model of addiction

Carmela M. Reichel, Medical University of South Carolina, Charleston, SC

The translation challenge from animals to humans and back: Successes and gaps

Rajita Sinha, Yale University School of Medicine, New Haven, CT

Poster Session I

(Breakfast)

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

SAPPHIRE

8:00 - 10:00 AM

Set-up time begins Sunday 1:00 PM

Must be removed by Monday 12:00 NOON

STIMULANTS — ANIMALS I

- 6 *Chronic methylphenidate and long-term effects on adult female WKY rats*
S. Kohlleppe, T. Trinh, N. Dafny, Neurobiology and Anatomy, UT Houston, Houston, TX
- 7 *Chronic methylphenidate elicits long-term effects in adolescent female WKY rats*
T. Trinh, N. Dafny, UT Houston, Houston, TX
- 8 *Concurrent choice between cues for social interaction and amphetamine in adolescent male and female rats*
J. R. Yates¹, F. C. Jennings¹, J. S. Beckmann¹, A. C. Meyer², M. T. Bardo¹, ¹Psychology, University of Kentucky, Lexington, KY, ²Psychiatry, University of Vermont, Burlington, VT

SEDATIVE HYPNOTICS

- 24 *What's loneliness got to do with it? Older women's use of benzodiazepines*
S. L. Canham, Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

PAIN

- 25 *Effect of gender on pain sensitivity and tolerance in adolescents during acute abstinence*
K. S. Bagot^{1,2}, R. Wu², D. A. Cavallo², S. Krishnan-Sarin², ¹Child Study Center, Yale University School of Medicine, New Haven, CT, ²Psychiatry, Yale University School of Medicine, New Haven, CT
- 26 *Sex differences among opioid-abusing chronic pain patients in a clinical trial*
J. M. Manubay^{1,2}, J. W. Davidson¹, S. K. Vosburg^{1,2}, J. D. Jones^{1,2}, Z. D. Cooper^{1,2}, J. Fogel², S. D. Comer^{1,2}, M. Sullivan^{1,2}, ¹Psychiatry, Columbia University, New York, NY, ²Substance Abuse, NYSPI, New York, NY

CLUB DRUGS

- 38 *Sex differences of MDMA metabolism in squirrel monkeys: A comparison to findings in humans*
M. Mueller, J. Yuan, U. McCann, G. Ricaurte, Johns Hopkins, Baltimore, MD

GENETICS

- 48 *High genetic risk for methamphetamine intake in mice relates to perturbations in neurotransmission in medial prefrontal cortex and nucleus accumbens*
K. K. Szumlinski¹, D. Maliniak¹, M. G. Wroten¹, P. N. Ruiz¹, K. D. Lominac¹, T. J. Phillips², ¹University of California Santa Barbara, Santa Barbara, CA, ²Oregon Health Sciences University, Portland, OR
- 56 *Interaction of gender and genetics in response to cocaine vaccine*
C. J. Spellacy^{1,3}, D. A. Nielsen^{1,3}, S. C. Hamon², T. R. Kosten^{1,3}, M. J. Harding^{1,3}, ¹Menninger Department of Psychiatry and Behavioral Sciences, Baylor College of Medicine, Houston, TX, ²Laboratory of Statistical Genetics, The Rockefeller University, New York, NY, ³Michael E. DeBakey V.A. Medical Center, Houston, TX

- 58 *Weaker relationships among substance use and negative consequences in a Native-American treatment-seeking sample*

K. Venner^{1,3}, K. Hagler^{1,3}, B. Greenfield^{1,3}, B. K. Guis¹, J. D. Simmons^{1,3}, D. Lupee^{2,4}, R. Currier^{4,2}, E. Homer^{2,4}, Y. Yamutewa^{2,4}, F. Lesansee⁴, J. S. Tonigan^{3,1}, ¹Psychology, University of New Mexico, Albuquerque, NM, ²Pueblo of Zuni MICRA Project, Pueblo of Zuni, NM, ³Center on Alcoholism, Substance Abuse, and Addictions, University of New Mexico, Albuquerque, NM, ⁴Zuni Recovery Center, Pueblo of Zuni, NM

- 59 *Heritability of cannabis and tobacco use initiation: Findings from a genetically informative female twin cohort*

S. A. Dinovo, M. T. Lynskey, P. Madden, K. K. Bucholz, A. C. Heath, A. Agrawal, Psychiatry, Washington University in St. Louis, St. Louis, MO

PRESCRIPTION DRUG ABUSE

- 61 *Trauma histories of non-treatment-seeking prescription opioid-dependent individuals*

J. McCauley, M. A. Mercer, K. T. Brady, S. E. Back, Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, SC

- 62 *Association of mental distress and non-medical prescription drug use: Gender differences in the National Monitoring of Prescription Stimulant Study (N-MAPSS)*

S. O. Lasopa, L. Cottler, C. Warren, Epidemiology, University of Florida, Gainesville, FL

- 63 *A longitudinal study of adolescent girls' medical misuse and non-medical use of CNS depressants*

E. A. Meier, Q. Epstein-Ngo, P. T. Veliz, S. E. McCabe, C. J. Boyd, Institute for Research on Women and Gender, University of Michigan, Ann Arbor, MI

- 64 *Personality characteristics of young adult, non-medical prescription opioid users in central Ohio*

R. Falck, R. W. Nahhas, R. Daniulaityte, R. G. Carlson, Community Health, Wright State University Boonshoft School of Medicine, Dayton, OH

EPIDEMIOLOGY I

- 75 *Predictors of injection cessation and relapse among female sex workers who inject drugs in two Mexican-U.S. border cities*

S. Strathdee¹, D. Abramovitz¹, G. Rangel³, H. Staines², A. H. Vera¹, M. E. Medina-Mora⁵, H. Amaro⁴, T. L. Patterson¹, ¹UC San Diego, La Jolla, CA, ²Universidad Autonoma de Cd Juarez, Cd Juarez, Mexico, ³Colegio de la Frontera Norte, Tijuana, Mexico, ⁴University of Southern California, Los Angeles, CA, ⁵Instituto Nacional de Psiquiatria Ramon de la Fuente, Mexico City, Mexico

- 89 *Participation in team sports as related to alcohol and marijuana use growth in youth*

N. E. Lisha¹, W. D. Crano², K. Delucchi¹, ¹Psychiatry, UCSF, San Francisco, CA, ²SBOS, CGU, Claremont, CA

PREVENTION

- 93 *The marginal effects of hazardous alcohol use on the probability of behavioral healthcare utilization among National Guard members*

C. van den Berk Clark, S. Balan, J. Scherrer, G. Widner, M. Shroff, R. K. Price, Psychiatry, Washington University, St. Louis, MO

HIV/AIDS

- 101 *Amphetamine use mediates between impulsivity and anal intercourse*

K. L. Hess, D. G. Fisher, G. L. Reynolds, California State University, Long Beach, Long Beach, CA

- 104 *Polydrug use and risk of blood-borne and sexually transmitted infections among heroin IDUs in Tijuana, Mexico*
M. C. Meacham^{1,2}, K. C. Brouwer¹, M. L. Rusch¹, T. L. Patterson¹, M. Lozada¹, A. Vera¹, S. Strathdee¹, S. C. Roesch², ¹University of California San Diego, La Jolla, CA, ²San Diego State University, San Diego, CA
- 106 *Beyond sexual partner concurrency: Overlapping injection partnerships among high-risk couples in Northern Mexico*
A. M. Robertson¹, J. L. Syvertsen¹, G. Martinez², M. G. Rangel³, M. D. Ulibarri⁴, K. D. Wagner¹, S. Strathdee¹, ¹Medicine, UC San Diego, La Jolla, CA, ²FEMAP, Ciudad Jaurez, Mexico, ³COLEF, Tijuana, Mexico, ⁴Psychiatry, UC San Diego, La Jolla, CA
- 109 *Sexual discounting among opioid-maintained women*
E. Herrmann, S. H. Heil, D. Hand, University of Vermont, Burlington, VT
- 110 *Sex trading, substance abuse, and mental health problems among indigent HIV-positive women: Implications for HIV treatment, adherence, and diversion*
M. A. Levi Minzi, H. Surratt, S. P. Kurtz, Nova Southeastern University, Miami, FL
- 113 *Prevalence of HIV, hepatitis C and depression among people who inject drugs in the Kinondoni Municipality in Dar es Salaam, Tanzania*
C. Nyandindi³, J. Mbwambo³, S. McCurdy⁴, B. Lambdin², M. Copenhaver⁵, R. Bruce^{1,2}, ¹Yale University, New Haven, CT, ²Pangaea Global AIDS Foundation, Oakland, CA, ³Muhimbili University of Health and Allied Sciences, Dar es Salaam, United Republic of Tanzania, ⁴University of Texas, Houston, TX, ⁵University of Connecticut, Storrs, CT

CRACK COCAINE

- 121 *Crack use mediates between impulsiveness and sex trading*
S. Clingan¹, D. G. Fisher¹, G. L. Reynolds¹, K. L. Hess¹, D. P. MacKinnon², ¹California State University, Long Beach, Long Beach, CA, ²Arizona State University, Tempe, AZ

POLYDRUGS ABUSE I

- 127 *Topiramate impairs cognitive function in cocaine-dependent individuals maintained on methadone*
O. Rass, A. Umbricht, G. E. Bigelow, E. C. Strain, M. Mintzer, Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD
- 139 *Evaluation of perceived lack of control as a moderator of the relationship between lesbian, gay, and bisexual identities and alcohol, tobacco, and other drug abuse and dependence*
A. Flynn, Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 143 *Not ashamed anymore: Longitudinal changes in barriers to treatment entry for online treatment seekers*
A. Jaffe^{1,2}, D. Murphy¹, T. Shaheed², A. Coleman², Y. Hser¹, ¹Integrated Substance Abuse Programs, University of California, Los Angeles, Los Angeles, CA, ²California Treatment Services, LLC, Beverly Hills, CA

Oral Communications 4**INDIGO H
10:00 - 12:05 PM****DRUGS AND VIOLENCE—THE NEGATIVE SPIRAL**

Chairs: Quyen Epstein-Ngo and Philip H. Smith

- 10:05 *Intimate partner violence victimization and cigarette smoking: A meta-analytic review*
C. A. Crane¹, S. Hawes², A. H. Weinberger², ¹Research Institute on Addictions, University at Buffalo, SUNY, Buffalo, NY, ²Department of Mental Health and Addiction Services, Yale University, New Haven, CT
- 10:20 *Intimate partner violence and Iranian women with substance use disorders*
E. Merghati-khoei^{1,2}, J. E. Korte², S. Rimaz¹, S. E. Back², K. T. Brady², N. Shamsalizadeh¹,
¹School of Public Health, Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, ²Psychiatry & Behavioral Sciences, MUSC, Charleston, SC
- 10:35 *Gender-based violence, psychopathology and substance use disorders in a national sample of women*
K. Walsh¹, K. Keyes¹, S. Galea¹, B. Grant², D. S. Hasin¹, ¹Epidemiology, Columbia University, New York, NY, ²NIAAA, Bethesda, MD
- 10:50 *Substance use and motivations for violence: Event-level analyses of gender differences in antecedents to dating vs. peer violence*
Q. Epstein-Ngo¹, M. A. Walton¹, S. T. Chermack¹, F. C. Blow¹, B. M. Booth²,
M. A. Zimmerman¹, R. M. Cunningham¹, ¹University of Michigan, Ann Arbor, MI, ²University of Arkansas, Fayetteville, AR
- 11:05 *The interaction between spouses' drug use in the prediction of intimate partner violence*
P. H. Smith¹, G. G. Homish¹, K. E. Leonard¹, R. L. Collins¹, G. A. Giovino¹, H. R. White²,
¹University at Buffalo, SUNY, Buffalo, NY, ²Rutgers University, Piscataway, NJ
- 11:20 *Alcohol as a predictor of violence victimization among U.S. college students: An analysis of sex differences*
R. L. Peralta, L. C. Wiley, Sociology, The University of Akron, Akron, OH
- 11:35 *The event-specific etiology of intimate partner violence: The role of alcohol use and psychiatric conditions*
J. M. Reingle¹, W. G. Jennings², M. Businelle¹, K. Chartier¹, ¹University of Texas Health Science Center at Houston, Dallas, TX, ²Department of Criminology, University of South Florida, Tampa, FL

Symposium VI

INDIGO E
1:50 - 2:55 PM

**SEX HORMONE MODULATION OF NICOTINE REWARD:
EFFECTS ON URGES, AFFECT, PHYSIOLOGICAL RESPONSE,
AND BRAIN ACTIVATION**

Chairs: Sharon Allen and Cora Lee Wetherington

- 1:55 *Allopregnanolone and smoking-related symptomatology during smoking cessation in premenopausal women*
Alicia Allen, Tobacco Research Programs, University of Minnesota, Minneapolis, MN
- 2:15 *Influences of gonadal hormones and sex on responses to intravenous nicotine*
Elise E. DeVito, Yale University School of Medicine, New Haven, CT
- 2:35 *Hormonal effects on the brain's response to smoking CUES: A perfusion FMRI study*
Teresa R. Franklin, Center for the Studies of Addiction, University of Pennsylvania, Philadelphia, PA

Oral Communications 6

INDIGO H
1:50 - 2:55 PM

**BABY BUMPS IN THE ROAD: CONSEQUENCES OF PERINATAL
DRUG ABUSE**

Chairs: Loretta P. Finnegan and Diann E. Gaalema

- 1:55 *Difference in time to treatment in neonates exposed to buprenorphine or methadone in utero*
D. E. Gaalema¹, S. H. Heil¹, J. Metayer², A. Johnston², ¹University of Vermont, Burlington, VT,
²Fletcher Allen Health Care, Burlington, VT
- 2:10 *Genetic predictors of neonatal abstinence syndrome in methadone-exposed infants*
A. L. Gordon¹, M. R. Hutchinson², R. R. Haslam³, J. K. Collier², ¹University of South Australia,
Adelaide, SA, Australia, ²University of Adelaide, Adelaide, SA, Australia, ³Women's and
Children's Hospital, Adelaide, SA, Australia
- 2:25 *Favorable outcomes in newborns prenatally exposed to buprenorphine compared to methadone and slow-release oral morphine*
V. Metz^{1,2}, S. D. Comer², G. Fischer¹, ¹Medical University of Vienna, Vienna, Austria,
²Columbia University NYSPI, New York, NY
- 2:40 *Longitudinal outcomes of MDMA (ecstasy)-exposed infants in the United Kingdom*
L. Singer¹, D. G. Moore², M. O. Min¹, J. Goodwin², J. J. Turner², S. Fulton¹, A. C. Parrott³,
¹Case Western Reserve University, Cleveland, OH, ²The University of East London, London,
United Kingdom, ³Swansea University, Singleton Park, United Kingdom

Monday, June 17, 2013

**Pre- and Post-Doctoral Trainees
Networking Event**

**INDIGO TERRACE
5:30 - 7:30 PM**

Workshop VIII

**INDIGO E
8:00 - 10:00 PM**

**THE INTERPLAY OF THE JUVENILE JUSTICE AND ADOLESCENT
TREATMENT SYSTEMS AND HOW TO USE EVIDENCED-BASED
ASSESSMENT, TREATMENT AND IMPLEMENTATION PRACTICES
TO IMPROVE OUTCOMES**

Chairs: Michael L. Dennis and Redonna Chandler

*Moderator effects of gender and ethnicity across multidimensional family therapy randomized
controlled trials in community and justice settings: An integrative data analysis*
Craig Henderson, Sam Houston State University, Huntsville, TX

NIDA International Meeting Poster Session

**INDIGO West Foyer
8:00 – 10:00 PM**

Chair: Steven W. Gust

BASIC SCIENCE

Brain-derived neurotrophic factor levels at umbilical cord blood among babies exposed to crack during pregnancy

C. Szobot^{1,2}, V. Mardini^{1,2}, L. Pereira¹, R. Parcianello³, L. Manna³, N. Canabarro³, L. Rohsig², F. Pechansky^{1,2}, L.A. Rohde^{1,2}. ¹Universidade Federal do Rio Grande do Sul, Brazil; ²Hospital de Clínicas de Porto Alegre, Brazil; ³Lutheran University of Brazil (ULBRA), Brazil

EPIDEMIOLOGY

Smoking prevalence and exposure to secondhand smoke during pregnancy in Mexican women

O. Campollo^{1,2}, F. Hernandez², E. Angulo³, A. Guzman², I. Navarro¹, M. García³, A. Munguía¹, J.K. Cunningham⁴. ¹Center of Studies on Alcohol and Addictions, Universidad de Guadalajara, Mexico; ²Obstetrics Department, Hospital Civil de Guadalajara, Mexico; ³Neonatology Department, Antiguo Hospital Civil de Guadalajara, Mexico; ⁴Department of Family and Community Medicine, The University of Arizona, United States

Predictors of opioid use among women in Afghanistan: Data from the Afghanistan National Urban Drug Use Study

A.V. Cherian¹, C.W. Ruktanonchai¹, K. Vaddiparti¹, M.A. Ghani², D.M. Martin³, M.S. Gold⁴, L.B. Cottler¹. ¹Department of Epidemiology, College of Public Health and Health Professions and College of Medicine, University of Florida, United States; ²Spectre Group, Afghanistan; ³JMJ Technologies, United States; ⁴Department of Psychiatry, College of Medicine, University of Florida, United States

Illicit drug use in Guatemala: Critical perspectives of family and familiars

J.B. Díaz Carranza¹, B. Brands², E. Adlaff², N. Giesbrecht², L. Simich², M.G.M. Wright³. ¹Universidad de San Carlos, Guatemala; ²Centre for Addiction and Mental Health, Canada; ³Organization of American States, Inter-American Drug Abuse Control Commission, United States

Testing for amphetamine-type stimulant (ATS) use to ascertain validity of self-reported ATS use among young female sex workers in Cambodia

V. Kab¹, J. Evans², N. Sansothy³, E. Stein², M. Claude-Couture², L. Maher⁴, and K. Page⁵. ¹School of Public Health, University of California, Berkeley, United States; ²Department of Epidemiology and Biostatistics, University of California, San Francisco, United States; ³Cambodia National Center for HIV, AIDS, Dermatology and STDs, Cambodia; ⁴The Kirby Institute (formerly the National Centre in HIV Epidemiology and Clinical Research), Australia; Young Women's Study Collaborative, Department of Epidemiology and Biostatistics, University of California, San Francisco, United States

Tobacco use during pregnancy in two different populations

R. Magri¹, J. Jones², H. Míguez³, M. Suárez¹, H. Suárez⁴. ¹Universidad de la Republica, Uruguay; ²United States Drug Testing Laboratories, United States; ³Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina; ⁴Observatorio de Drogas, Uruguay

Vocalized truths: Iranian drug-using women's narratives

E. Merghati-Khoei^{1,2}, F. Yadollahi¹, K. Dolan³, S. Rimaz¹, T.K. Killeen². ¹Department of Public Health, Tehran University of Medical Sciences, Iran; ²Department of Psychiatry and Behavioral Sciences, Medical University of South Carolina, United States; ³National Drug and Alcohol Research Center, University of New South Wales, Australia

It takes [at least] two to share: Understanding decision-making processes influencing high-risk injecting behaviors

M.D. Morris¹, A. Bates², K. Page¹, J. Hahn³, L. Maher². ¹Department of Epidemiology and Biostatistics, University of California, San Francisco, United States; ²The Kirby Institute, University of New South Wales, Australia; ³Department of Medicine, University of California, San Francisco, United States

Substance use during pregnancy among women attending midwife obstetric units in the Cape Metropole, South Africa

P. Petersen Williams¹, E. Jordaan², C. Mathews^{3,4}, C.D.H. Parry^{1,5}. ¹Alcohol and Drug Abuse Research Unit, Medical Research Council, South Africa; ²Biostatistics Unit, South African Medical Research Council, South Africa; ³School of Public Health and Family Medicine, University of Cape Town, South Africa; ⁴Health Systems Research Unit, South African Medical Research Council, South Africa; ⁵Department of Psychiatry, Stellenbosch University, South Africa

Gender and outcomes of heroin abusers admitted to a methadone maintenance program in Spain

I. Rivas¹, E. Faure¹, A. Sanvisens², D. Fuster³, M. Rubio¹, T. Muñoz¹, J. Tor^{1,4}, R. Muga^{1,4}. ¹Municipal Center for Substance Abuse Treatment (Centro Delta–Bus Intermunicipal de Metadona), IMSP, Spain; ²Department of Internal Medicine, Hospital Universitari Germans Trias i Pujol, Spain; ³Section of General Internal Medicine, Boston Medical Center, Boston University School of Medicine, United States; ⁴Universitat Autònoma de, Spain

“Double risk–double stigma”: Characteristics of injection drug use (IDU) sex workers in comparison with non-IDU sex workers in Russia

M. Rusakova^{1,2}. ¹NGO Stellit, Social Studies, Russia; ²The Sociological Institute of the Russian Academy of Sciences, Deviance and Social Control, Russia

Factors related to the use of areca nut among families in a municipality in Cordillera Region, Philippines

J. Sagabaen, Jr., J. Pascual, E. Castillo, I. Escartin. Postgraduate Institute of Medicine, University of the Philippines, College of Medicine, Department of Health, Philippines

Socio-psychosocial conditions of migration and drug abuse in women

R. Sánchez-Huesca¹, J.L. Arellanez-Hernández², V. Pérez-Islas². ¹Research and Training, Centros de Integración Juvenil, Mexico; ²Psychosocial Research Department, Centros de Integración Juvenil, Mexico

History of abuse and depression symptoms among injection drug-using female sex workers in Mexico

M.D. Ulibarri¹, S.P. Hiller¹, R. Lozada², M.G. Rangel³, J.K. Stockman¹, J.G. Silverman¹, V.D. Ojeda¹. ¹University of California, San Diego, United States; ²PrevenCasa, México; ³El Colegio de La Frontera Norte, México

Risk factors for self-reported physical abuse of women households in Afghanistan: Data from the Afghanistan National Urban Drug Study

K. Vaddiparti¹, C. Striley¹, M.A. Ghani², D.M. Martin³, C. Ruktanonchai¹, M.S. Gold⁴, L.B. Cottler¹. ¹Department of Epidemiology, College of Public Health and Health Professions and College of Medicine, University of Florida, United States; ²Spectre Group, Afghanistan; ³JMJ Technologies, United States; ⁴Department of Psychiatry, College of Medicine, University of Florida, United States

PREVENTION

The influence of gender differences and engaging in romantic relationships on substance use offers among Mexican adolescents

J. Booth^{1,2}, F. Marsiglia^{1,2}, B. Nuño-Gutiérrez³. ¹School of Social Work, Arizona State University, United States; ²Southwest Interdisciplinary Research Center, Arizona State University, United States; ³University of Guadalajara and Mexican Social Security Institute, Mexico

Comprehensive programs for children and mothers with substance abuse issues

P. Dolezalova. Hubert H. Humphrey Fellowship Program, Bloomberg School of Public Health, Johns Hopkins University, United States; Department of Addictology, First Faculty of Medicine, Charles University–Prague, Czech Republic; General Faculty Hospital–Prague, Czech Republic

Ways to increase coverage of harm reduction programs in women-friendly facilities in Iran: A qualitative study

S.R. Radfar. Thought, Culture and Health (ROOZBEH) Drug Abuse Prevention Institute, Iran

Motherhood and HIV: Exploring the relationship between motherhood and HIV risk behaviors among female sex workers who are also injection drug users in two Mexican–U.S. border cities

A. Servin Aguirre^{1,2}, J.G. Silverman², G. Rangel³, G. Martinez⁴, A. Vera², S.A. Strathdee². ¹School of Medicine, Universidad Xochicalco, Campus Tijuana, Mexico; ²Department of Medicine, Division of Global Public Health, University of California, San Diego, United States; ³El Colegio de la Frontera Norte (COLEF), Mexico; ⁴Salud y Desarrollo Comunitario de Ciudad Juárez A.C. (SADEC) and Federación Mexicana de Asociaciones Privadas (FEMAP), Mexico

Impaired hypothalamus-pituitary-gonadal axis in women with long-term methamphetamine use

Y.S. Zhang¹, W.W. Shen², Y. Liu³, L.H. Li², W.H. Zhou^{2,3}. ¹Department of Gynecology, No.1 People's Hospital of Ningbo, China; ²Ningbo Addiction Research and Treatment Center, China; ³School of Medicine, Ningbo University, China

TREATMENT

Family functional treatment

L. Caris, H. Waldron, H. Hops. University of Chile, Chile

Influence of age and gender on the likelihood of endorsing cannabis use disorder criteria

M. Delforterie^{1,2}, H. Creemers^{1,2}, A. Agrawal³, M. Lynskey³, A. Huizink². ¹Research Institute of Child Development and Education, University of Amsterdam, The Netherlands; ²Faculty of Psychology and Education and the Institute for Health and Care Research Institute, VU University, The Netherlands; ³Department of Psychiatry, School of Medicine, Washington University in St. Louis, United States

Maltreatment during childhood and its relationship to substance use among university students in Bogotá, Colombia

J.D. Gomez¹, W.R. Mann², J. Sapag², H. Hamilton², P. Erickson², A. Khenti², B. Brands², N. Giesbrecht², M.G.M. Wright³, F. Cumsille³. ¹Pontificia Universidad Javeriana in Bogotá, Colombia; ²Center for Addiction and Mental Health, Canada; ³Inter-American Drug Abuse Control Commission, United States

Stigma, violence, and the lack of confidentiality: The need for comprehensive, women-centered drug treatment in Georgia

I. Kirtadze¹, D. Otiashvili¹, K. O'Grady², H. Jones³, W. Zule³, E. Krupitsky⁴, W. Wechsberg³. ¹Addiction Research Center, Alternative Georgia, Republic of Georgia; ²Department of Psychology, University of Maryland, United States; ³RTI International, United States; ⁴Department of Addictions, Bekhterev Research Psychoneurological Institute, Russia

Methamphetamine use among females at a residential detoxification center: Implications for treatment

A. Noroozi¹, Z.A. Mehrjerdi², S. Mansoori², K. Dolan³, M. Zarghami⁴. ¹School of Advanced Medical Technologies, Iranian National Center for Addiction Studies (INCAS), Tehran University of Medical Sciences, Iran; ²INCAS, Tehran University of Medical Sciences, Iran; ³Program of International Research and Training, National Drug and Alcohol Research Centre, University of New South Wales, Australia; ⁴Department of Psychiatry, Faculty of Medicine, Mazandaran University of Medical Sciences, Iran

Prenatal cigarette smoking and readiness for change among pregnant women in Montevideo, Uruguay

A. Pascale¹, C. Bares², D. Svikis³, E. de Souza¹, F. Sarries¹. ¹Department of Toxicology, School of Medicine, Uruguay; ²School of Social Work, and; ³Department of Psychology, Virginia Commonwealth University, United States

Co-occurring methamphetamine use among heroin-dependent females: A report from a gender-specific center

S. Rezaee¹, Z.A. Mehrjerdi², A. Mokri³, R. Rawson⁴, A. Noroozi⁵. ¹Department of Cultural Studies, Allame Tabataba'i University, Iran; ²Iranian National Center for Addiction Studies (INCAS), Tehran University of Medical Sciences, Iran; ³Department of Psychiatry, Tehran University of Medical Sciences, Iran; ⁴Integrated Substance Abuse Programs, Department of Psychiatry, University of California, Los Angeles, United States; ⁵School of Advanced Medical Technologies, INCAS, Tehran University of Medical Sciences, Iran

Poster Session II

(Breakfast)

Odd-numbered posters manned first hour;

Even-numbered, second hour

SAPPHIRE

8:00 - 10:00 AM

Set-up time begins Monday 1 PM

Must be removed by Tuesday 12 NOON

STIMULANTS—HUMAN STUDIES

- 16 *A qualitative study of methamphetamine users' perspectives on barriers and facilitators of drug abstinence*

D. Herbeck, K. Lovinger, M. Brecht, D. Christou, L. Rodriguez, P. Sheaff, Integrated Substance Abuse Programs, UCLA, Los Angeles, CA

ADOLESCENT DRUG ABUSE I

- 19 *Behavioral adjustment in prenatally cocaine-exposed adolescents*

M. O. Min¹, S. Minnes¹, E. J. Short², S. Yoon¹, L. T. Singer³, ¹Applied Social Sciences, Case Western Reserve University, Cleveland, OH, ²Psychology, Case Western Reserve University, Cleveland, OH, ³Environmental Health, Case Western Reserve University, Cleveland, OH

- 21 *Initiation into drug dealing among street-involved youth in a Canadian setting*

K. DeBeck¹, C. Feng², W. Small¹, K. Chan¹, T. Kerr¹, E. Wood¹, ¹BC Centre for Excellence in HIV/AIDS, Vancouver, BC, Canada, ²University of Saskatchewan, Saskatoon, SK, Canada

- 22 *Multiple problem behaviors associated with amphetamine use among delinquent and incarcerated adolescents in Los Angeles County*

C. M. Branson, Integrated Substance Abuse Programs, UCLA, Los Angeles, CA

- 25 *Problem behaviors and criminal thinking among adolescents in residential substance abuse treatment*

R. Crawley, D. Knight, J. E. Becan, P. Flynn, Texas Christian University, Institute of Behavioral Research, Fort Worth, TX

CRAVING

- 43 *Does craving predict substance use for different substance use disorders? An Ecological Momentary Assessment study in patients with alcohol, tobacco, cannabis and heroin dependence*

F. Serre^{1,3}, M. Fatseas^{1,3}, J. Swendsen², M. Auriacombe^{1,3}, ¹Addiction Psychiatry, Univ. Bordeaux / CNRS USR 3413, Bordeaux, France, ²CNRS UMR 5287 INCIA, Univ. Bordeaux, Bordeaux, France, ³CH Ch. Perrens et CHU de Bordeaux, Bordeaux, France

- 44 *Does cue type matter for craving? Comparison of substance-specific and person-specific cues using mobile technologies*

M. Fatseas^{1,3}, F. Serre^{1,3}, J. Swendsen², M. Auriacombe^{1,3}, ¹Addiction Psychiatry, Univ. Bordeaux / CNRS USR 3413, Bordeaux, France, ²CNRS UMR 5287 INCIA, Univ. Bordeaux, Bordeaux, France, ³CH Ch. Perrens et CHU de Bordeaux, Bordeaux, France

- 51 *Effects of plasma allopregnanolone levels on drug craving in cocaine-dependent men and women*

V. Milivojevic¹, J. Covault², R. Sinha¹, ¹Psychiatry, Yale University School of Medicine, New Haven, CT, ²Psychiatry, University of Connecticut School of Medicine, Farmington, CT

NICOTINE I

- 59 *Does pregnancy alter the activity of baboon (*Papio cynocephalus*) hepatic cytochrome P450 2B in the biotransformation of bupropion?*
X. Wang¹, D. I. Vernikovskaya¹, V. M. Fokina¹, C. Bauer², K. Rice², G. D. Hankins¹, M. S. Ahmed¹, T. N. Nanovskaya¹, ¹Department of Obstetrics & Gynecology, University of Texas Medical Branch, Galveston, TX, ²Texas Biomedical Research Institute, San Antonio, TX
- 60 *Relationships between postpartum cigarette smoking and breastfeeding duration*
A. A. Lopez, S. T. Higgins, S. H. Heil, J. M. Skelly, M. E. Lynch, L. J. Solomon, I. M. Bernstein, University of Vermont, Burlington, VT
- 61 *Incentive-based treatment for pregnant smokers*
S. T. Higgins¹, Y. Washio², A. A. Lopez¹, S. H. Heil¹, L. J. Solomon¹, M. E. Lynch¹, J. Hanson¹, T. M. Higgins¹, J. M. Skelly¹, I. M. Bernstein¹, ¹Univ. of VT, Burlington, VT, ²Univ. of PA, Philadelphia, PA
- 62 *Smoking prevalence and exposure to second hand-smoke in Mexican pregnant women*
O. Campollo¹, F. Hernandez², E. Angulo³, A. Guzman², I. Navarro¹, M. García³, A. Munguía¹, J. K. Cunningham⁴, ¹Center of Studies on Alcohol and Addictions, University of Guadalajara, Guadalajara, Mexico, ²Obstetrics, Hospital Civil Guadalajara, GDL, Mexico, ³Neonatology, Hospital Civil Guadalajara, GDL, Mexico, ⁴Family & Community Medicine, University of Arizona, Tucson, AZ
- 64 *Gender differences in withdrawal when using very low nicotine content cigarettes*
S. S. Dermody¹, D. L. Joel¹, E. Donny¹, L. Hertsgaard², D. Hatsukami², ¹Psychology, University of Pittsburgh, Pittsburgh, PA, ²Psychiatry, University of Minnesota, Minneapolis, MN

OPIOIDS—HUMAN STUDIES

- 76 *Subgroup differences in trajectories of heroin use and treatment effectiveness: An intersectionality viewpoint*
C. Peng, Y. Hser, UCLA ISAP, Los Angeles, CA
- 80 *Identifying avenues for interventions to increase contraceptive use by opioid-maintained women*
D. Hand¹, S. H. Heil^{1,2}, ¹Department of Psychiatry, University of Vermont, Burlington, VT, ²Department of Psychology, University of Vermont, Burlington, VT
- 81 *Improving effective contraceptive use among opioid-maintained women*
S. H. Heil^{1,2}, D. J. Hand¹, S. C. Sigmon^{1,2}, M. C. Meyer³, S. T. Higgins^{1,2}, ¹Psychiatry, University of Vermont, Burlington, VT, ²Psychology, University of Vermont, Burlington, VT, ³Obstetrics and Gynecology, University of Vermont, Burlington, VT

POLICY

- 101 *But then what? A longitudinal analysis of child custody issues and how they impact future substance-using behavior among African-American mothers*
K. L. Harp¹, C. B. Oser^{1,2}, B. Perry¹, ¹Sociology, University of Kentucky, Lexington, KY, ²Center on Drug and Alcohol Research, University of Kentucky, Lexington, KY

PROGRAM DESCRIPTION

- 111 *Themes in brief intervention sessions with substance-using emergency department patients: Interventionists' perspectives*
C. Lizarraga, A. A. Forcehimes, M. Bogenschutz, CASAA, UNM, ABQ, NM

ALCOHOL

- 123 *On-site ethyl glucuronide immunoassay monitoring of alcohol use in cocaine-dependent outpatients*
T. J. White¹, S. T. Higgins^{1,2}, D. Vurbic^{1,2}, R. Redner¹, J. Skelly³, ¹Psychiatry, University of Vermont, Burlington, VT, ²Psychology, University of Vermont, Burlington, VT, ³Medical Biostatistics, University of Vermont, Burlington, VT
- 132 *The impact of substance use and gender on Condom Use Self-Efficacy in a rural treatment-seeking sample*
J. Simmons^{1,2}, D. Lupee^{3,4}, B. Greenfield^{1,2}, M. Romero^{1,2}, J. S. Tonigan^{2,1}, R. Currier^{4,3}, E. Homer^{3,4}, Y. Yamutewa^{3,4}, F. Lesansee⁴, K. Venner^{1,2}, ¹Psychology, University of New Mexico, Albuquerque, NM, ²Center on Alcoholism, Substance Abuse and Addictions, University of New Mexico, Albuquerque, NM, ³Pueblo of Zuni MICRA Project, Pueblo of Zuni, NM, ⁴Zuni Recovery Center, Pueblo of Zuni, NM
- 133 *Alcohol use and related problems in the São Paulo Megacity Mental Health Survey, Brazil: Influences of neighborhood social deprivation and individual socioeconomic status*
C. M. Silveira¹, E. R. Siu¹, S. Martins², L. P. Saito¹, A. G. Andrade¹, M. C. Viana¹, L. H. Andrade¹, ¹University of São Paulo Medical School, Sao Paulo, Brazil, ²Columbia University, New York, NY, NY

PERINATAL DRUG ABUSE

- 138 *Characteristics of perinatal women seeking treatment for marijuana abuse in a community-based clinic*
G. K. Tzilos¹, L. Hess², J. Kao², C. Zlotnick², ¹Center for Alcohol & Addiction Studies, Brown University, Providence, RI, ²Women and Infants Hospital, Brown University, Providence, RI
- 139 *BDNF levels at umbilical cord blood (UCB) among babies exposed to crack during pregnancy*
V. Mardini^{1,4,5}, C. Szobot^{5,4,2}, R. Parcianello², L. Manna², L. Röhsig^{6,1}, N. Canabarro², N. Gambogi⁴, M. Sehbe², M. Zavaschi¹, K. M. Cereser^{3,1}, G. Fries³, F. Kapczinsky^{1,3}, F. Pechansky^{1,3}, L. A. Rohde^{1,5}, ¹UFRGS, Porto Alegre, Brazil, ²ULBRA, Canoas, Brazil, ³Laboratório de Psiquiatria Molecular, HCPA, Porto Alegre, Brazil, ⁴Research Center on Alcohol and Drugs, HCPA, Porto Alegre, Brazil, ⁵ADHD Outpatient Clinic, HCPA, Porto Alegre, Brazil, ⁶Serviço de Hemoterapia, HCPA, Porto Alegre, Brazil
- 140 *Serum concentrations of BDNF during the immediate puerperium among women with crack dependence in comparison to healthy mothers: Preliminary data*
C. Szobot^{4,2,3}, V. Mardini^{4,3,1}, F. Pechansky^{3,1}, F. Kapczinski^{5,1}, K. M. Cereser^{5,1}, G. Fries⁵, N. Canabarro², L. Manna², R. Parcianello², M. Zavaschi¹, F. Rosa³, L. Pereira³, L. A. Rohde^{4,1}, ¹UFRGS, Porto Alegre, Brazil, ²ULBRA, Canoas, Brazil, ³Research Center on Alcohol and Drugs, HCPA, Porto Alegre, Brazil, ⁴ADHD Outpatient Clinic, HCPA, Porto Alegre, Brazil, ⁵Laboratório de Psiquiatria Molecular, HCPA, Porto Alegre, Brazil
- 141 *The relationship between postpartum depression and change in perinatal alcohol use: An analysis of PRAMS data*
S. Salimi¹, M. Chisolm², D. Cheng³, M. Terplan⁴, ¹Department of Medicine, University of Maryland, Baltimore, MD, ²Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, ³Bureau for Maternal and Child Health, Maryland Department of Health and Mental Hygiene, Baltimore, MD, ⁴Obstetrics, Gynecology and Reproductive Sciences and Epidemiology and Public Health, University of Maryland, Baltimore, MD

- 142 *Fetal Alcohol Spectrum Disorder: A growing concern in Israel?*
Y. Neumark¹, I. D. Wexler², A. Tenenbaum², ¹Braun School of Public Health, Hebrew University-Hadassah, Jerusalem, Israel, ²Pediatrics, Hadassah Medical Center, Jerusalem, Israel
- 143 *Executive function in children with prenatal cocaine exposure at 12 and 15 years*
S. Minnes¹, M. O. Min¹, E. Short³, M. Wu¹, S. Yoon¹, L. Singer², ¹Applied Social Sciences, Case Western Reserve University, Cleveland, OH, ²School of Medicine, Case Western Reserve University, Cleveland, OH, ³Psychology, Case Western Reserve University, Cleveland, OH
- 144 *Characterization of placental efflux transporters*
J. A. Paul, S. L. Patrikeeva, X. Wang, G. D. Hankins, T. N. Nanovskaya, M. S. Ahmed, Obstetrics and Gynecology, University of Texas Medical Branch, Galveston, TX

Symposium X

(Sponsored by CPDD/APSAD)

SUBSTANCE USE: HEALTH AND SOCIAL EFFECTS IN OLDER DRUG USERS: WHAT WE KNOW AND WE DON'T

INDIGO E

10:00 - 12:05 PM

Chairs: Nicholas Lintzeris and Michelle R. Lofwall

- 11:20 *Opioid use and health in older Australian women*
Lynne Parkinson, CQ University, Queensland, QLD, Australia

Oral Communications 9

INDIGO D

10:00 - 12:05 PM

MEMORY LANE: FROM IMPAIRMENT TO IMPROVEMENT

Chairs: Francesco Leri and Erin Cummins

- 10:35 *Sex differences in associations between age of initiated cannabis use and neuropsychological performance*
N. A. Crane¹, R. M. Schuster¹, R. Gonzalez², ¹Department of Psychology, University of Illinois at Chicago, Chicago, IL, ²Department of Psychology, Florida International University, Miami, FL

**Grant-Writing Workshop
(PRE-REGISTRANTS ONLY)**

SAPPHIRE 410

12:05 - 4:00 PM

Tuesday, June 18, 2013

Workshop XIV

**INDIGO D
8:00 - 10:00 PM**

**ARE WE MISSING THE MARK WITH GENDER DIFFERENCES,
WOMEN SUBSTANCE USERS, AND SOCIAL DETERMINANTS FOR
HIV RISK? LESSONS FROM AROUND THE GLOBE**

Chairs: Wendee Wechsberg and Steffanie Strathdee

*Gender differences among couples using alcohol and drugs in disparate social settings in
Cape Town, South Africa*

W Zule, RTI International, Durham, NC

Women IDUs in Georgia: Risk and stigma in seeking care and policy implications

Irma Kirtadze, Alternative Georgia, Tbilisi, GA

*Reconfiguring risk: Gender and injection drug-related HIV risk among female sex workers and
their non-commercial partners along the Mexico-U.S. border*

Jennifer Syvertsen, University of California, San Francisco, La Jolla, CA

Discussant

Hendree Jones, RTI, Durham, NC

Oral Communications 11

INDIGO D
9:55 - 12:00 PM

BREAKING THE CHAINS OF ADDICTION: CRIMINAL JUSTICE

Chairs: Douglas Marlowe and Thomas Moore

- 10:00 *Gender differences in characteristics, service utilization and treatment outcomes of adult drug treatment court clients*
D. Morse¹, S. Gamble¹, M. Ives³, M. Mittal¹, M. T. Swogger¹, E. Wang², K. Conner¹,
¹Psychiatry, University of Rochester School of Medicine, Rochester, NY, ²Medicine, Yale University School of Medicine, New Haven, CT, ³Lighthouse Institute, Chestnut Health Systems, Inc., Normal, IL
- 10:45 *Sex/gender differences and the impact of risk factors and psychosocial functioning on the time to re-arrest among offenders treated for substance use*
Y. Yang, K. Knight, G. W. Joe, G. A. Rowan-Szal, W. E. Lehman, P. M. Flynn, Institute of Behavioral Research, Texas Christian University, Fort Worth, TX

Oral Communications 12

INDIGO H
9:55 - 12:00 PM

GETTING THE DRIFT ON GENETICS AND DRUGS OF ABUSE

Chairs: Elise Weerts and F. Gerard Moeller

- 10:30 *Association of the A335G polymorphism with striatal dopamine D2/3 receptor availability in healthy men and women*
E. Weerts, M. McCaul, H. Kuwabara, M. Stephens, X. Xu, D. Wong, G. S. Wand, Johns Hopkins University, Baltimore, MD

Poster Session III **(Lunch)**

SAPPHIRE
12:00 - 2:00 PM

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

Set-up time begins Tuesday 1 PM

Must be removed by Wednesday 2 PM

EPIDEMIOLOGY II

- 1 *DSM-V alcohol use disorder symptom profile in a representative sample of the largest metropolitan area in South America*
J. M. Castaldelli-Maia¹, L. H. Andrade¹, C. M. Silveira¹, M. C. Viana¹, A. G. Andrade¹, S. S. Martins², ¹Department of Psychiatry, Universidade de São Paulo, São Paulo, Brazil, ²Department of Epidemiology, Columbia University, New York, NY
- 4 *Testing for amphetamine-type stimulant (ATS) use to ascertain validity of self-reported ATS use among young female sex workers in Cambodia*
V. Kab¹, E. Jennifer², S. Neth³, E. Stein², M. Claude-Couture², L. Maher⁴, K. Page², ¹University of California at Berkeley, Berkeley, CA, ²University of California at San Francisco, San Francisco, CA, ³Cambodia National Center for HIV, AIDS, Dermatology, and STDs, Phnom Penh, Cambodia, ⁴The Kirby Institute (formerly known as the National Centre in HIV Epidemiology and Clinical Research), Sydney, NSW, Australia

- 5 *Transition from using opioids to methamphetamine among females: A report from a residential detoxification center*
S. Mansoori¹, Z. Alam Mehrjerdi¹, A. Deylamizadeh², K. Dolan³, ¹Iranian National Center for Addiction Studies (INCAS), Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, ²Division of Research on Drug Use and Dependence, Rebirth Society (NGO), Tehran, Islamic Republic of Iran, ³Program of International Research and Training, National Drug and Alcohol Research Centre, University of New South Wales, Sydney, NSW, Australia
- 6 *Opiate use and outpatient drug treatment are associated with lack of trust in point-of-care rapid tests*
G. L. Reynolds, D. G. Fisher, K. L. Hess, J. Brocato, Center for Behavioral Research & Services, California State University, Long Beach, Long Beach, CA
- 9 *Unanticipated consequences of non-drug-focused HIV prevention intervention: Changes in drug use*
B. M. Booth, P. B. Wright, S. T. Ounpraseuth, K. E. Stewart, University of Arkansas for Medical Sciences, Little Rock, AR
- 10 *Association of childhood sexual and other physical abuse with lifetime and prenatal drug use in urban African-American women*
M. Puia Dumitrescu^{1,2,3}, V. H. Accornero¹, L. Xue¹, J. M. McKenzie¹, J. C. Anthony⁴, E. S. Bandstra^{1,3}, ¹Department of Pediatrics, University of Miami Miller School of Medicine, Miami, FL, ²Epidemiology & Public Health, University of Miami Miller School of Medicine, Miami, FL, ³Department of Pediatrics, Holtz Children's Hospital UM/JMCC, Miami, FL, ⁴Epidemiology & Biostatistics, Michigan State University, East Lansing, MI

POLYDRUG ABUSE II

- 17 *A brief measure assessing sexual risk behavior in women in substance abuse treatment*
G. Thorens¹, M. Hu², M. Pavlicova², E. V. Nunes², A. Campbell², S. Tross², ¹Psychiatry, Geneva University Hospital, Geneva, Switzerland, ²Psychiatry, Columbia University Medical Center, New York, NY
- 19 *Coping style and service utilization among African-American female drug users*
D. Stevens-Watkins¹, C. B. Oser², C. Leukefeld², ¹Spalding University, Louisville, KY, ²Center on Drug and Alcohol Research, University of Kentucky, Lexington, KY
- 20 *Adapting a women-centered intervention for injection drug users in the Republic of Georgia*
H. Jones¹, I. Kirtadze², D. Otiashvili^{2,3}, K. E. O'Grady⁴, W. Zule¹, E. Krupitsky⁵, W. M. Wechsberg¹, ¹SATEI, RTI International, RTP, NC, ²Addiction Research Center, Alternative Georgia, Tbilisi, Georgia, ³Department of Addictology, First Faculty of Medicine, Prague, Czech Republic, ⁴Psychology, U of Maryland, College Park, MD, ⁵Bekhterev Research Psychoneurological Institute, St. Petersburg, Russian Federation
- 21 *The Women's Recovery Group: Outcomes from a Stage II trial*
S. F. Greenfield^{1,2}, D. Sugarman^{1,2}, J. Kaufman¹, G. L. Bailey^{3,4}, M. Crisafulli¹, C. Freid^{1,2}, H. Connery^{1,2}, J. Rodolico^{1,2}, S. Wigderson¹, M. Rapoza³, G. Fitzmaurice^{1,2}, ¹McLean Hospital, Belmont, MA, ²Harvard Medical School, Cambridge, MA, ³Stanley Street Treatment and Resources, Fall River, MA, ⁴Brown University, Providence, RI
- 22 *Toward quantifying the benefits of sustained addiction recovery: Findings from a national pilot survey*
T. Hill², A. B. Laudet¹, ¹Center for the Study of Addictions and Recovery, NDRI, New York City, NY, ²Faces and Voices of Recovery, Washington, DC

- 24 *Validation of the GAIN Self-Help Involvement Scale using the Rasch Measurement Model*
K. M. Conrad^{1,2}, K. J. Conrad³, L. Passetti³, R. R. Funk³, M. L. Dennis³, ¹Program Metrics, Oak Park, IL, ²University of Illinois at Chicago, Chicago, IL, ³Chestnut Health Systems, Normal, IL

NEUROENDOCRINE STUDIES

- 39 *Progesterone treatment for cocaine-dependent women: A pilot treatment trial*
S. M. Evans^{2,1}, F. R. Levin^{1,2}, D. J. Brooks², S. C. Reed¹, ¹Psychiatry, Columbia University, New York, NY, ²Psychiatry, NYSPI, New York, NY

COMORBIDITY

- 63 *DSM-5 criteria for gambling disorders and its effects on the association with other psychiatric disorders*
J. Santaella, M. Cerdá, J. H. Kim, S. S. Martins, Epidemiology, Columbia University, New York, NY
- 64 *Gender as a predictor of past treatment in dual-diagnosed patients presenting for detoxification*
A. Harrington, G. Gonzalez, Psychiatry, University of Massachusetts, Worcester, MA
- 66 *Maternal mental health and children's internalizing and externalizing behaviors: Beyond mother's substance use disorder*
Y. Hser, I. Lanza, L. Li, E. Kahn, Integrated Substance Abuse Programs (ISAP), University of California Los Angeles, Los Angeles, CA
- 67 *Specific maternal substance use behaviors linked to child co-occurring externalizing and internalizing symptoms*
H. Lanza, Y. Hser, N. Glick, Semel Institute for Neuroscience and Human Behavior, UCLA, Los Angeles, CA

STIMULANTS—ANIMALS

- 85 *Subjective and reinforcing effects of modafinil in rats*
D. J. Heal¹, N. W. Buckley¹, J. Gosden¹, D. Hackett², ¹RenaSci Ltd, Nottingham, United Kingdom, ²Shire Pharmaceutical Development Ltd, Basingstoke, United Kingdom
- 89 *Cocaine-seeking is dose dependently enhanced by HIV-1 Tat protein expression in male and female mice*
J. J. Paris¹, A. N. Carey², J. P. McLaughlin¹, ¹Pharmacology and Neuroscience, Torrey Pines Institute for Molecular Studies, Port Saint Lucie, FL, ²Psychology, Simmons College, Boston, MA

OPIOIDS—ANIMALS

- 100 *Tamper-resistant properties of Oxycodone DETERx: Intranasal administration and in vitro tampering studies*
E. A. Kopecky, A. B. Fleming, R. K. Varanasi, S. P. Mayock, S. Saim, Collegium Pharmaceutical, Cumberland, RI

ADOLESCENT DRUG ABUSE II

- 102 *The role of parental smoking in adolescent impulsivity*
A. Herrick, S. Thamocharan, M. S. Sferra, K. Lange, S. Fields, Psychology, Texas A&M University, College Station, TX
- 103 *Approach-bias and impulsivity among adolescent smokers and non-smokers: A bi-national study*
H. Larsen¹, G. Kong², D. Becker¹, J. Cousijn¹, S. Krishnan-Sarin², R. Wiers¹, ¹Psychology, ADAPT-Lab, University of Amsterdam, Amsterdam, Netherlands, ²Psychiatry, Yale University School of Medicine, New Haven, CT

- 106 *A Web-based contingency management program with adolescent smokers in rural Appalachia*
B. Reynolds¹, J. Dallery², W. W. Stoops¹, M. Harris³, J. Weiser⁴, ¹University of Kentucky, Lexington, KY, ²University of Florida, Gainesville, FL, ³Nationwide Children's Hospital, Columbus, OH, ⁴University of Cincinnati, Cincinnati, OH
- 111 *The association between ADHD and nicotine in a prospective sample of youth*
K. Winters, S. Lee, A. Symmes, Psychiatry, University of Minnesota, Minneapolis, MN
- 114 *The natural history of adolescent binge drinking: Findings from a 15-year prospective cohort study*
L. Degenhardt^{1,2}, C. O'Loughlin³, W. Swift¹, H. Romaniuk^{3,5,6}, J. Carlin^{5,6}, C. Coffey³, W. Hall⁴, G. Patton^{3,5}, ¹NDARC, UNSW, Sydney, NSW, Australia, ²School of Population Health, University of Melbourne, Melbourne, VIC, Australia, ³Centre for Adolescent Health, MCRI, Melbourne, VIC, Australia, ⁴Centre for Clinical Research, University of Queensland, Brisbane, QLD, Australia, ⁵Department of Paediatrics, University of Melbourne, Melbourne, VIC, Australia, ⁶CEBU, MCRI, Melbourne, VIC, Australia

TREATMENT

- 130 *Women and entry to residential detoxification treatment: Motivations and barriers*
A. Noroozi¹, Z. Alam Mehrjerdi², A. Deylamizadeh³, S. Moradi³, ¹School of Advanced Medical Technologies (SAMT), Iranian National Center for Addiction Studies (INCAS), Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, ²Iranian National Center for Addiction Studies (INCAS), Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, ³Division of Research on Drug Use and Dependence, Rebirth Society (NGO), Tehran, Islamic Republic of Iran

CRIMINAL JUSTICE

- 131 *Severity, frequency and variety of crime in heroin-dependent prisoners enrolled in a buprenorphine study*
M. S. Gordon¹, T. W. Kinlock¹, R. P. Schwartz¹, K. E. O'Grady², ¹Friends Research Institute, Baltimore, MD, ²Psychology, University of Maryland, College Park, MD
- 134 *Brief screening for alcohol and drug problems among prisoners*
M. Webster, C. Leukefeld, M. Staton-Tindall, J. L. Duvall, C. B. Oser, J. R. Havens, Center on Drug & Alcohol Research, University of Kentucky, Lexington, KY
- 139 *Pre-custody HIV risks as a factor in the effectiveness of the Way Safe intervention*
W. E. Lehman, G. A. Rowan-Szal, N. G. Bartholomew, G. Joe, K. Knight, Institute of Behavioral Research, Texas Christian University, Fort Worth, TX
- 142 *Childhood abuse is associated with alcohol use outcomes after gender responsive treatment for women in prison*
P. Saxena, N. P. Messina, Integrated Substance Abuse Programs, UCLA, Los Angeles, CA
- 143 *The association between incarceration history and HIV-related drug risk behaviors*
L. Hearn¹, N. EnnisWhitehead¹, M. Khan², W. Latimer¹, ¹Clinical and Health Psychology, University of Florida, Gainesville, FL, ²Epidemiology, University of Florida, Gainesville, FL
- 144 *Arrest for violent offenses in early adulthood: Predictions from prenatal and adolescent cocaine exposure*
D. C. Vidot^{1,2}, V. H. Accornero², L. Xue², J. C. Anthony³, E. S. Bandstra², ¹Epidemiology & Public Health, University of Miami Miller School of Medicine, Miami, FL, ²Pediatrics, University of Miami Miller School of Medicine, Miami, FL, ³Epidemiology & Biostatistics, Michigan State University, East Lansing, MI

- 145 *Influences of harm reduction programs on HIV knowledge and risky behaviors among injection drug users in prisons in Taiwan*
Y. Chang^{1,2}, Y. Lan¹, Y. Hser², ¹China Medical University, Taichung, Taiwan, ²UCLA Integrated Substance Abuse Programs, Los Angeles, CA

Oral Communications 13

INDIGO D
2:10 - 4:15 PM

DEPENDENT DEFENDERS: THE VETERANS' STORY

Chairs: Philip T. Korthuis and Elizabeth J. Santa Ana

- 2:30 *Missed opportunity for alcohol intervention among Army members returning from deployment*
M. Larson¹, B. Mohr¹, N. R. Wooten², R. Sayko Adams¹, E. Merrick¹, L. Lorenz¹,
T. V. Williams³, ¹Institute for Behavioral Health Heller School, Brandeis University,
Waltham, MA, ²College of Social Work, University of South Carolina, Columbia, SC,
³Defense Health Cost and Program Evaluation, TRICARE Management Activity Dept of
Defense, Falls Church, VA
- 3:15 *Gender differences in substance use treatment utilization the year prior to deployment in Army service members*
N. R. Wooten¹, B. A. Mohr², L. M. Lundgren³, R. S. Adams², E. Merrick⁴, D. D. Jeffery⁴,
T. V. Williams², M. Larson², ¹College of Social Work, University of South Carolina,
Columbia, SC, ²Institute of Behavioral Health, Heller School, Brandeis University,
Waltham, MA, ³School of Social Work, Boston University, Boston, MA, ⁴Health Affairs,
TRICARE Management Activity, Defense Health Costs and Program Evaluation (DHCAPE),
Department of Defense, Falls Church, VA
- 4:00 *Whose post-traumatic stress affects drinking levels? Couple-dyad modeling of National Guard service members and their partners*
S. Balan, C. van den Berk-Clark, M. Shroff, G. Widner, J. Scherrer, R. K. Price, Washington
University School of Medicine, Saint Louis, MO

Dinner and Dancing

INDIGO BALLROOM
7:00 - 10:00 PM

BADGES MUST BE WORN FOR ADMISSION

Poster Session IV

(Breakfast)

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

SAPPHIRE

7:30 - 9:30 AM

Set-up time begins Wednesday 3 PM

Must be removed by Thursday 12 NOON

LITERATURE REVIEW

- 3 *The role of gender in the association between child maltreatment and substance use behavior: A systematic review of longitudinal research from 1995 to 2011*
A. Kristman-Valente, E. A. Wells, Social Work, University of Washington, Seattle, WA

OPIOIDS II—HUMAN STUDIES

- 39 *Indicators of treatment success: Comparing urine drug screening outcomes with quality of life for buprenorphine patients*
S. G. Mitchell¹, J. Gryczynski¹, C. P. Myers², K. E. O'Grady³, R. P. Schwartz¹, Y. K. Olsen⁴, J. H. Jaffe^{1,5}, ¹Friends Research Institute, Baltimore, MD, ²Patrick Myers & Assoc, Baltimore, MD, ³Univ. of MD, College Park, MD, ⁴IBR REACH, Baltimore, MD, ⁵UMD Med School, Baltimore, MD

NICOTINE II

- 48 *Correlates of lifetime cigarette use and dependence by mid-adulthood in a non-Western (Mauritian) sample*
M. N. Sargeant, N. Gupta, C. A. Prescott, L. M. Yarnell, A. Raine, P. H. Venables, S. A. Mednick, S. E. Luczak, Psychology, University of Southern California, Los Angeles, CA

SEX DIFFERENCES

- 56 *Nicotine, HPA axis hormones and mood states in women*
N. Goletiani¹, A. Siegel², J. Hudson^{3,1}, ¹MIC, McLean Hospital, Belmont, MA, ²Internal Medicine, McLean Hospital, Belmont, MA, ³Psychiatry, McLean Hospital, Belmont, MA
- 57 *Childhood stressors differentially affect age of first use and telescoping across women and men*
L. Oberleitner, A. H. Weinberger, C. M. Mazure, S. A. McKee, Psychiatry, Yale University School of Medicine, New Haven, CT
- 58 *Gender, problem-gambling severity, and the incidence of substance use disorders*
C. E. Pilver, D. J. Libby, R. A. Hoff, M. N. Potenza, Yale School of Medicine, New Haven, CT
- 59 *The influence of age and gender on the likelihood of endorsing cannabis use disorder criteria*
M. Delforterie^{1,2}, H. Creemers^{1,2}, A. Agrawal³, M. Lynskey³, A. Huizink², ¹Child Development and Education, University of Amsterdam, Amsterdam, Netherlands, ²Developmental Psychology and the EMGO institute for Health and Care Research, VU University, Amsterdam, Netherlands, ³Psychiatry, Washington University School of Medicine, St. Louis, MO
- 60 *Alcohol, moods, and male-female differences: A six-month daily process study using interactive voice response*
V. Harder, L. Ayer, G. Rose, M. Naylor, J. Helzer, Psychiatry, University of Vermont, Burlington, VT
- 61 *Sex modulates approach systems and impulsivity in substance dependence*
R. I. Perry¹, T. D. Krmpotich¹, L. L. Thompson¹, S. K. Mikulich-Gilbertson¹, M. T. Banich^{2,1}, J. Tanabe¹, ¹University of Colorado Denver, Aurora, CO, ²University of Colorado Boulder, Boulder, CO

- 62 *Contraception continuation among female exotic dancers seeking mobile reproductive health services concurrent with syringe exchange*
C. E. Martin¹, M. Terplan², J. Han³, P. Chaulk⁴, C. Serio-Chapman³, ¹Johns Hopkins Schools of Medicine and Public Health, Baltimore, MD, ²Departments of Obstetrics, Gynecology, and Reproductive Sciences & Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD, ³Community Risk Reduction Services, Baltimore City Health Department, Baltimore, MD, ⁴Bureau of HIV/STD Services, Baltimore City Health Department, Baltimore, MD
- 63 *Exploring gender differences among people who inject drugs in Australia: Findings from the 2012 Illicit Drug Reporting System*
J. Stafford, L. Burns, National Drug and Alcohol Research Centre, Sydney, NSW, Australia
- 64 *Gender differences in sexual abuse history and HIV prevention outcomes among treatment-seeking substance abusers*
L. Skalski¹, N. Gottfredson¹, D. A. Calsyn², A. Campbell³, M. Hatch-Maillette², S. Tross³, C. S. Meade¹, ¹Duke University, Durham, NC, ²Alcohol & Drug Abuse Institute, University of Washington, Seattle, WA, ³Psychiatry, Columbia University, New York, NY
- 65 *Gender differences in HIV risk and mental health among methamphetamine users*
K. F. Corsi, C. Garver-Apgar, R. E. Booth, Psychiatry, University of Colorado Denver, Denver, CO

FEEDING AND BODY WEIGHT

- 66 *Sugar dependence: Association with psychiatric disorders, gender and obesity*
M. C. Rosa¹, C. M. Gomes², F. Kessler¹, E. F. Ferreira², F. Pechansky¹, ¹Center for Drug and Alcohol Research, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, ²Federal University of Minas Gerais, Belo Horizonte, Brazil
- 71 *Effects of gender and weight on errors of omission during an inattention task*
S. Fields, K. Lange, M. S. Sferra, S. Thamotharan, A. Herrick, Texas A&M University, College Station, TX
- 73 *Body mass index (BMI) and obesity prevalence among substance abuse participants from NIDA's Clinical Trials Network*
A. Matthews¹, L. Hu¹, L. Lu¹, P. VanVeldhuisen¹, B. Tai², N. Volkow², ¹The EMMES Corporation, Rockville, MD, ²National Institute on Drug Abuse, Bethesda, MD
- 74 *Eating high fat chow increases sensitivity of female rats to indirect-acting but not direct-acting dopamine receptor agonists*
K. M. Serafine¹, T. A. Bentley¹, A. E. Grenier¹, C. P. France^{1,2}, ¹Pharmacology, University of Texas Health Science Center at San Antonio, San Antonio, TX, ²Psychiatry, University of Texas Health Science Center at San Antonio, San Antonio, TX

STIMULANTS II—HUMAN STUDIES

- 86 *Challenges to recruitment of cocaine-using women for a medication development trial*
D. Metzger, C. P. O'Brien, C. Dackis, G. E. Woody, S. Chhatre, University of Pennsylvania, Philadelphia, PA
- 87 *Mediators of response to sertraline vs. placebo among recently abstinent, cocaine-dependent patients*
A. Oliveto¹, J. Thostenson¹, T. R. Kosten², M. Mancino¹, ¹UAMS, Little Rock, AR, ²Baylor College of Medicine, Houston, TX

IMAGING

- 99 *Hypoactive BOLD response to general emotional stimuli among cocaine-dependent women*
M. Canterberry, W. DeVries, K. T. Brady, C. A. Hanlon, Medical University of South Carolina, Charleston, SC
- 113 *The effect of tobacco use on brain phosphocreatine levels in female methamphetamine users*
Y. Sung¹, D. Yurgelun-Todd^{1,2,3}, D. Kondo^{1,2}, X. Shi¹, K. Lundberg¹, T. Hellem¹, R. Huber¹, E. McGlade^{1,2}, E. Jeong¹, P. Renshaw^{1,2,3}, ¹University of Utah, SLC, UT, ²VISN 19 MIRECC, SLC, UT, ³USTAR, SLC, UT
- 115 *Sex differences in functional connectivity during smoking cue exposure*
T. R. Franklin, R. Wetherill, K. Jagannathan, J. Shin, C. P. O'Brien, A. R. Childress, Psychiatry, University of Pennsylvania, Phila, PA

CANNABINOIDS

- 133 *Treatment outcomes for MJ dependence among adolescents attending an urban intensive outpatient treatment program*
A. Estreet, K. Rai, M. Fishman, Adolescent Outpatient Services, Mountain Manor Treatment Center, Baltimore, MD

Oral Communications 15

INDIGO D
9:30 - 11:35 AM

TEENAGE WASTELAND: ADOLESCENT PRESCRIPTION DRUG ABUSE

Chairs: Carol J. Boyd and Robert M. Weiler

- 10:20 *Medical use, medical misuse, and diversion of opioids among adolescents involved in organized sport*
P. T. Veliz, C. J. Boyd, S. E. McCabe, E. A. Meier, Q. Epstein-Ngo, P. L. Ross-Durow, Institute for Research on Women & Gender, University of Michigan, Ann Arbor, MI
- 11:20 *Association between nonmedical use of prescription drugs and suicidality among adolescents*
K. J. Zullig¹, R. M. Weiler², J. D. Haddox³, A. L. Divin⁴, L. N. Pealer⁵, T. E. Barnett⁵, ¹Soc. & Beh. Sci., West Virginia University, Morgantown, WV, ²Hlth. Educ. & Beh., University of Florida, Gainesville, FL, ³Hlth. Policy, Purdue Pharma L.P., Stamford, CT, ⁴Hlth. Sci., Western Illinois University, Macomb, IL, ⁵Beh. Sci. & Comm. Hlth., University of Florida, Gainesville, FL

Oral Communications 16

INDIGO H
9:30 - 11:35 AM

THE LOWS OF OPIATE HIGHS: RISKS OF DEPENDENCE AND OVERDOSE

Chairs: Howard Chilcoat and Alexander Y. Walley

- 10:50 *Prescription opioid use and risk of cardiovascular disease among older adults from a community sample*
Y. Khodneva, P. Muntner, S. Kertesz, M. M. Safford, University of Alabama Birmingham, Birmingham, AL

**Brunch with Champions
(PRE-REGISTRANTS ONLY)**

**AQUA 310
11:45 - 1:00 PM**

Oral Communications 17

**INDIGO A
1:00 - 3:05 PM**

POLYDRUG ABUSE: INCIDENCE AND CONSEQUENCE

Chairs: Jermaine D. Jones and Margaret Haney

- 1:20 *Non-opioid substance use among opioid-dependent patients enrolling in opioid treatment programs: A latent class analysis*
A. Rosenblum¹, C. Fong¹, C. Cleland², ¹ITSR, NDRI, New York, NY, ²College of Nursing, NYU, New York, NY

Oral Communications 18

**INDIGO E
1:00 - 3:05 PM**

GLOBAL CURRENCIES: SEX, DRUGS, AND MONEY

Chairs: William Shoptaw and Kathleen T. Brady

- 1:05 *Transactional sex among an emergency department sample: Exploring gender, substance abuse and HIV risk*
R. Patton^{1,2}, F. C. Blow², A. S. Bohnert², E. E. Bonar², K. L. Barry², M. A. Walton², ¹Substance Abuse Research Center, University of Michigan, Ann Arbor, MI, ²Department of Psychiatry, University of Michigan, Ann Arbor, MI
- 1:20 *Drug use among patients at public clinics treating sexually transmitted infections (STI)*
L. Haynes¹, K. T. Brady¹, D. J. Feaster², L. R. Metsch², ¹Medical University of South Carolina, Charleston, SC, ²Miller School of Medicine, University of Miami, Miami, FL
- 1:35 *Women who trade sex for drugs only as a high-risk subgroup of sex workers: An exploratory analysis*
E. M. Dunne, M. Khan, W. Latimer, Clinical and Health Psychology, University of Florida, Gainesville, FL
- 1:50 *Changes in substance use and sexual risk over time among black MSM and black MSMW in 6 U.S. cities*
T. V. Penniman¹, R. Regan², L. Wang³, S. Ou³, S. Shoptaw², ¹Epidemiology, University of Florida, Gainesville, FL, ²Family Medicine, UCLA, Los Angeles, CA, ³Statistical Center for HIV/AIDS Research & Prevention, Seattle, WA
- 2:05 *Hazardous drinking and HIV risk-related behavior among male clients of female sex workers in Tijuana, Mexico*
D. Goodman-Meza, E. V. Ptpitan, S. Strathdee, S. J. Semple, K. D. Wagner, C. Chavarin, T. L. Patterson, University of California San Diego, San Diego, CA
- 2:35 *Increased condom use with psychological abuse among drug-abusing women in Tehran*
J. E. Korte¹, E. Merghati-Khoie², S. Rimaz², K. T. Brady^{1,3}, ¹Medical University of South Carolina, Charleston, SC, ²Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, ³Ralph H. Johnson VA Medical Center, Charleston, SC
- 2:50 *Substance use and sexual behavior among women in Prague*
S. M. Stemmler¹, T. M. Hall¹, P. Prokopik², S. Shoptaw¹, ¹UCLA, Los Angeles, CA, ²Charles University, Prague, Czech Republic

Oral Communications 19

**INDIGO D
1:00 - 3:05 PM**

FIGHTING THE TWO-HEADED MONSTER: COMORBIDITY

Chairs: Teresa Franklin and Kelly Young-Wolff

- 1:05 *Trauma-informed treatment decreases PTSD among women offenders*
N. P. Messina¹, S. Calhoun^{1,2}, J. Braithwaite², ¹UCLA Integrated Substance Abuse Programs, Los Angeles, CA, ²Department of Criminology, Law and Society, University of California, Irvine, Irvine, CA
- 1:20 *Substances viewed through the lens of trauma: Substance expectancies in women with PTSD/SUD*
J. Utley^{1,2}, L. Najavits^{1,2}, N. Capezza³, ¹Boston University, Boston, MA, ²VA, Boston, MA, ³University of Massachusetts, Worcester, MA
- 1:35 *Substance use and PTSD among smokers with serious mental illness*
K. C. Young-Wolff¹, S. Fromont², K. Delucchi², S. Hall², S. Hall², J. Prochaska¹, ¹Stanford University, Stanford, CA, ²University of California, San Francisco, San Francisco, CA
- 2:35 *Synthesizing outcomes of evidence-based practices in a multi-site clinical trial for women with trauma and addictions*
D. A. Hien^{1,2}, A. Campbell², G. Miele², ¹Psychology, City University of NY, New York, NY, ²Psychiatry, Columbia University College of Physicians and Surgeons, New York, NY
- 2:50 *SMART Recovery®: An effective group method for co-occurring conditions in community treatment*
P. Penn¹, A. J. Brooks³, S. M. Gallagher², D. Brooke¹, ¹Research, La Frontera Arizona, Tucson, AZ, ²Psychology, Veterans Administration, Tucson, AZ, ³Psychology, University of Arizona, Tucson, AZ

Oral Communications 20

**INDIGO H
1:00 - 3:05 PM**

NEW HORIZONS IN STIMULANT PHARMACOTHERAPY DEVELOPMENT

Chairs: Leonard Howell and Stephen Kohut

- 2:50 *Effects of orexin receptor antagonism on methamphetamine-seeking in male and female adolescent and adult rats*
N. Zlebnik, N. Holtz, M. E. Carroll, Psychiatry, University of MN, Minneapolis, MN

SWEEPSTAKES DRAWING

**INDIGO A
3:10 - 3:30 PM**

YOU MUST BE SEATED IN ONE OF THE SESSIONS STARTING AT 1:00 PM IN ORDER TO HAVE YOUR BADGE COLLECTED



National Institute
on Drug Abuse



WOMEN
AND
SEX/GENDER
DIFFERENCES
RESEARCH

Women and Sex/Gender Differences Funding Opportunity Announcements

- PA-11-047/048/049: Women and Sex/Gender Differences in Drug and Alcohol Abuse/Dependence
 - PA-11-047 (R01) <http://grants.nih.gov/grants/guide/pa-files/PA-11-047.html>
 - PA-11-048 (R21) <http://grants.nih.gov/grants/guide/pa-files/PA-11-048.html>
 - PA-11-049 (R03) <http://grants.nih.gov/grants/guide/pa-files/PA-11-049.html>
- Women's Mental Health in Pregnancy and the Postpartum Period
 - PA-12-216 (R01) <http://grants.nih.gov/grants/guide/pa-files/PA-12-216.html>
 - PA-12-215 (R21) <http://grants.nih.gov/grants/guide/pa-files/PA-12-215.html>
- PAR-13-18: Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)
 - PAR-13-182 (R36) <http://grants.nih.gov/grants/guide/notice-files/NOT-DA-13-023.html>
- Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers (Admin Supp)
 - PA-12-150 <http://grants.nih.gov/grants/guide/pa-files/PA-12-150.html>

For additional information:

- on these announcements, contact:
Dr. Cora Lee Wetherington (wetherington@nih.gov; 301-435-1319), or
Dr. Samia Noursi (snoursi@nih.gov; 301-594-5622)
- on other NIDA funding opportunities, visit NIDA's homepage at <http://www.nida.nih.gov>
- visit the women and sex/gender differences site on NIDA's homepage at <http://www.drugabuse.gov/about-nida/organization/offices/office-nida-director-od/women-sexgender-differences-research-program>



National Institute
on Drug Abuse





National Institute
on Drug Abuse



WOMEN
AND
SEX/GENDER
DIFFERENCES
RESEARCH

NIDA'S WOMEN & SEX/GENDER DIFFERENCES RESEARCH JUNIOR INVESTIGATOR TRAVEL AWARD PROGRAM

CPDD 2014

Accumulating evidence indicates that the antecedents, consequences, and mechanisms of drug abuse and dependence often differ in males and females and that sex/gender may be an important variable in treatment and prevention outcomes. To foster research on women and sex/gender differences in all areas of drug abuse research, both human and animal, NIDA encourages the submission of abstracts on this topic for the 2014 annual meeting of the College on Problems of Drug Dependence (CPDD).

Special NIDA travel awards of \$750 will be available to up to 30 junior investigators whose CPDD abstract on women or sex/gender differences is accepted for a poster, oral session, or symposium at the 2014 annual meeting in San Juan, Puerto Rico, June 14-19, 2014.

ELIGIBILITY:

- Graduate and medical students, post-doctoral students, medical residents, and investigators who are no more than five years past the doctoral degree or residency are eligible.
- Applicant **MUST** be first author on the CPDD abstract.
- Minority investigators and male investigators are especially encouraged to apply.
- Priority may be given to those who have not previously received this award or held an R01.
- Federal employees are ineligible.

ELECTRONIC APPLICATION PROCEDURES:

- Follow the CPDD instructions for abstract submission. Then send an e-mail to:
- Dr. Samia Noursi at snoursi@nida.nih.gov in the following format and with the required attachments:
- E-mail subject line: CPDD 2013 Women & Sex/Gender Junior Investigator Travel Award Application
- Attach a copy of the abstract that you submitted to CPDD, including title and authors.
- Attach your curriculum vitae (list all NIH grant support if applicable). Please include your mailing address, telephone number and e-mail address.
- Attach a cover letter stating (1) your eligibility, (2) your interest in continuing to pursue research on women and/or sex/gender differences, and (3) your career goals.

DEADLINE FOR APPLICATIONS: Same as CPDD abstract due date. Check CPDD website.

For additional information about this annual award, contact:

- Dr. Samia Noursi - telephone 301-594-5622; snoursi@mail.nih.gov, or
- Dr. Cora Lee Wetherington - telephone 301-435-1319; cwetheri@nida.nih.gov



National Institutes
of Health





HAVE A SAFE TRIP HOME!
See You Next Year at CPDD
in
San Juan, PR
June 14-19, 2014