



Mini-Program

**College on Problems
of Drug Dependence**



*Focus on
Women & Gender Differences*

June 17-22, 2000
Caribe Hilton, San Juan, Puerto Rico

Provided by

NIDA NATIONAL INSTITUTE
ON DRUG ABUSE

Sunday, June 18, 2000

Symposium I

Ballroom B
11:00 – 1:30 p.m.

**PATTERNS AND VULNERABILITY FACTORS FOR DRUG
ABUSE AMONG MAINLAND AND ISLAND PUERTO RICANS**

Chairs: Kathleen R. Merikangas and Glorisa Canino

12:30 *Sex differences in drug abuse in Puerto Ricans*
Maritza Rubio-Stipec, University of Puerto Rico, San Juan, PR

Oral Communications II

San Cristobal
11:00 – 1:30 p.m.

CRAVING

Chairs: Conan Kornetsky and Anna Rose Childress

1:15 *Gender differences in craving, mood and stress among non-treatment seeking individuals with cocaine dependence*
Elman, K. Karlsgodt, S. Lukas, D.R. Gastfriend, Massachusetts General Hospital, Boston, and McLean Hospital, Belmont, MA

Symposium III

Ballroom B
4:00 – 6:30 p.m.

**DRUG ADDICTION TREATMENT FOR
WOMEN: DOES GENDER MATTER?**

Chairs: Cora Lee Wetherington and Betty Tai

4:00 *Gender differences in the biological basis and progression to drug abuse: Implications for treatment*
Cora Lee Wetherington, NIDA, NIH, Bethesda, MD

4:30 *Gender differences in smoking cessation treatment: Implications from the lab and the clinic*
Kenneth A. Perkins, University of Pittsburgh, Pittsburgh, PA

5:00 *Behavioral therapies: Does gender matter?*
Karla Moras, University of Pennsylvania, Philadelphia, PA

5:30 *Drug abuse comorbidities: Why gender matters?*
Kathleen Brady, Medical University of South Carolina, Charleston, SC

6:00 *Gender differences in pharmacotherapy trials for opioid-dependent women and for cocaine-dependent women*
Rolley Johnson, Johns Hopkins University, Baltimore, MD

POSTER SESSION I

Expo Center
8:00 – 10:00 a.m.

PAIN AND ANALGESIA

- 9 *Antinociceptive effects of opioids I: Importance of genotype, nociceptive stimulus intensity and activity at the mu opioid receptor*
M.J. Picker, C.D. Cook, E.L. Roach, and A.C. Barrett, University of North Carolina, Chapel Hill, NC
- 10 *Antinociceptive effects of opioids II: Importance of genotype, nociceptive stimulus intensity and activity at the kappa opioid receptor*
A.C. Barrett, C.D. Cook, E.L. Roach, and M.J. Picker, University of North Carolina, Chapel Hill, NC

AGGRESSION AND IMPULSIVITY

- 60 *d-Amphetamine does not affect the impulsive performance of male or female rats in a discrete-trial self-control paradigm*
S.C. Haworth, S.M. Bennett, and F. van Haaren, University of Florida, Gainesville, FL
- 61 *Gender differences in discounting the value of delayed rewards*
D.E. Booth, K. Krajnak, H. de Wit, and J.B. Richards, West Virginia University, Morgantown, WV and University of Chicago, IL

COMORBIDITY

- 68 *Comparing heroin- and cocaine-dependent individuals: Pre-treatment characteristics*
H. Jones, E.C. Strain, R.E. Johnson, and G.E. Bigelow, Johns Hopkins University School of Medicine, Baltimore, MD
- 79 *Nefazodone in the treatment of females with cocaine abuse*
S. Specker, R. Crosby, J. Borden, and D. Hatsukami, University of Minnesota, Minneapolis, MN, and Neuropsychiatric Research Institute, University of North Dakota, Fargo, ND
- 94 *Cue reactivity in women with comorbid crime-related PTSD and cocaine dependence*
S.F. Coffey, M.E. Saladin, D.J. Drobes, B.S. Dansky, and K.T. Brady, State University of New York at Buffalo, Buffalo, NY, and Medical University of South Carolina, Charleston, SC
- 95 *Comparative profiles of cocaine-dependent and alcohol-dependent women with PTSD*
K.T. Brady, S. Back, S. Sonne, B.S. Dansky, and C. Diaz-Zuniga, Center for Drug and Alcohol Programs, Medical University of South Carolina, Charleston, SC

Monday, June 19, 2000

- 105 *Congruence between needs at enrollment and services provided in the early months of treatment: Preliminary findings from a national initiative for women on welfare*
R.D. Ketterlinus, M.A. Gutman, A.T. McLellan, J. Willem, L. Macpherson, and B. Harris, Treatment Research Institute at the University of Pennsylvania, Philadelphia, PA
- 106 *Female substance abuser: Welfare utilization as a function of childhood welfare experience*
M. Edwards, D. Carise, D. Festinger, A.T. McLellan, and H.D. Kleber, Treatment Research Institute at the University of Pennsylvania, Philadelphia, PA, and the National Center for Addiction and Substance Abuse at Columbia, New York, NY
- 108 *Utilization of health services among substance-abusing Medicaid women exposed to an integrated public-private managed-care experiment*
K.L. Grazier, A.M. Hegedus, and E.P. Schoener, University of Michigan, Ann Arbor, and Wayne State University, Detroit, MI
- 111 *Networks, resources and risk among women who use drugs*
M. Miller and A. Neaigus, National Development and Research Institutes, Inc., Center for Drug Use and HIV Research, Raleigh, NC
- 112 *Linking female sex workers with substance abuse treatment*
A. Rosenblum, L. Nuttbrock, J. Wallace, S. Magura, M. Marthol, and D. Tucker, National Development and Research Institutes, Inc., FROST'D, Project Return, New York, NY
- 114 *Burden of illness in addicted persons without primary medical care*
I. DeAlba, J.H. Samet, and R. Saitz, Boston University, Boston, MA
- 125 *Issues in the design of a long-term evaluation study: The persistent effects of treatment study*
C.L. Macken, G. Moran, K.P. Mulvey, Center for Substance Abuse Treatment, Rockville, MD

Symposium V

Ballroom B

10:00 a.m. – 12:30 p.m.

HIV PREVENTION INTERVENTIONS TARGETING DRUG USERS: CURRENT STATE OF THE SCIENCE AND STATE OF THE PRACTICE

Chairs: Robert E. Booth and James W. Curran

10:30 *HIV risk reduction interventions: Gender, race, skills and motivation*
Claire Sterk-Elifson and Kirk Elifson, Emory University, Atlanta, GA

12:00 *Women-focused HIV prevention for African American crack users*
Wendee M. Wechsberg, Research Triangle Institute, Research Triangle Park, NC

Monday, June 19, 2000

Oral Communications V

Ballroom A
10:00 a.m. – 12:30 p.m.

ROLL OF THE DICE: RISK-TAKING AND GAMBLING

Chairs: Marc N. Potenza and Renee M. Williams

10:15 *Gambling behavior in adolescent substance abusers*

Y. Kaminer, J.A. Burlison, and A. Jadamec, University of Connecticut Health Center,
Farmington, CT

11:30 *Sex differences in pathological gambling*

C. Blanco, J. Sáiz-Ruiz, and A. Ibáñez, Hospital Ramón y Cajal/Universidad de Alcalá,
Madrid, Spain

11:45 *Patterns of sexual risk behaviors in opiate- and cocaine-dependent women*

M.C. Chawarski and R.S. Schottenfeld, Substance Abuse Center, Yale University School of
Medicine, New Haven, CT

Oral Communications VIII

Ballroom A
3:00 – 5:30 p.m.

HERBS AND ALTERNATIVES

Chairs: Dennis Miller and Scott Lukas

4:45 *The Chinese herb, kudzu, differentially alters brain and plasma ethanol levels in human subjects*

S.E. Lukas, M. Lachance, Y. Ke, L.H. Lundahl, D.Y. Lee, and P.F. Renshaw, McLean
Hospital/Harvard Medical School, Belmont, MA

POSTER SESSION II**Expo Center
8:00 – 10:00 a.m.****COCAINE: BEHAVIOR**

- 6 *Sex differences in the effects of chronic morphine on locomotor activity*
R.M. Craft and K.R. Drexel, Washington State University, Pullman, WA
- 7 *Differences in cocaine-induced sensitization between female and male rats*
O. Sternin, J. Chin, H. Fletcher, S. Jenab, L.I. Perrotti, and V. Quiñones-Jenab, Hunter College of CUNY, New York, NY

OPIOIDS: PHYSIOLOGY

- 39 *Gender differences in the cardiovascular responses to opiates in the spinal rat*
S.L. Cruz and G. Rodríguez-Manzo, Centro de Investigación y Estudios Avanzados, IPN, México Mexican Institute on Psychiatry, Mexico City, Mexico

HIV/AIDS WOMEN

- 40 *Incidence of HIV infection among non-injection drug using women in Philadelphia*
D. Metzger, A. Davis-Vogel, H. Navaline, J. Meyers, G. Wilson, J. Downey, D. Tobin-Fiore, G.E. Woody, University of Pennsylvania/VA Medical Center, and Center for Studies of Addiction, Philadelphia, PA
- 41 *Public health measures to reduce crack/cocaine use among women not in treatment*
L.B. Cottler, R.M. Cunningham-Williams, W.M. Compton, T.A. Ridenour, and A.B. Abdallah, Washington University School of Medicine, St. Louis, MO
- 42 *Chaotic lives: How contextual issues are associated with risk behaviors among out-of-treatment African American crack-abusing women*
A.C. Roberts, W. Wechsberg, W. Zule, and K. Perritt, University of North Carolina-Chapel Hill, Winston-Salem, NC
- 43 *Women-FIT: A pilot study to reduce risk of HIV/STD in drug-using women*
E.L. Gollub, K. Mayer, B. Koblinv, D. Mercer, A. Davis-Vogel, A. Coletti, D. Metzger, University of Pennsylvania, Treatment Research Center, Philadelphia, PA, Brown University, Providence, RI, NY Blood Center, New York, NY, and Abt Associates, Boston, MA
- 44 *HIV risk among young female injection drug users who have sex with women in Baltimore, Maryland*
D.C. Ompad, C.M. Fuller, C. Latkin, D. Vlahov, and S.A. Strathdee, Johns Hopkins School of Public Health, Baltimore, MD, and Center for Urban Epidemiologic Studies, New York Academy of Medicine, New York, NY

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- 45 *The social support systems of women in drug treatment: Relationships with HIV risk behaviors*
G. Falkin and S. Strauss, National Development and Research Institutes, Inc., New York, NY
- 46 *Suicidal ideation in HIV-infected female drug addicts*
J.M. Liebschutz, C.L. Kerner, J.H. Samet, Boston University Schools of Medicine and Public Health, Boston, MA

SCREENING AND ASSESSMENT

- 48 *Women responses to online drug problem/health screen*
S. Nemes, J. Hoffman, R. Landis, K. Holtz, and C. Zeiler, Danya International, Inc., Silver Spring, MD

GENDER, WOMEN

- 65 *The relationship between gender and physiological dependence to opioids in general population and treatment samples*
E. Rasmussen, L. Cottler, W. Compton, A.B. Abdallah, Washington University, St. Louis, MO
- 66 *Gender and methadone maintenance treatment organizational style: A case study of eighteen injection drug-using couples*
M.S. Kelley and S. Meersman, University of Miami, Miami, FL
- 67 *Characteristics of women with sexual abuse histories who enter methadone treatment*
N.G. Bartholomew, G.A. Rowan-Szal, and L.R. Chatham, Institute of Behavioral Research, Texas Christian University, Fort Worth, TX
- 68 *Female methadone-maintenance clients have more cocaine-positive urines than their male counterparts*
K.P. Olshausen, D. Epstein, A. Umbricht, K.L. Preston, NIDA Intramural Research Program, Baltimore, MD
- 69 *Gender differences in sample selection in a randomized clinical trial for cocaine dependence*
Y.S. Song, A.M. Washburn, J.L. Sorensen, E.E. Midkiff, and H.D. Kleber, University of California-San Francisco, CA and CASA, Columbia University, New York, NY
- 70 *Gender differences in clinical trials patients: Does "Venus and Mars" apply to the research setting?*
F.B. Kropp, J. Mezinskis, E. Somoza, NIDA/VA Medication Development Research Unit, Cincinnati, OH

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- 72 *Gender differences in sexual behavior and attitudes among alcohol, opiate, cocaine, and methamphetamine users*
C. Reiber, R.A. Rawson, A. Washton, C. Domier, University of California at Los Angeles, Integrated Substance Abuse Programs, CA, and New York University School of Medicine, New York, NY
- 73 *Motherhood and reproductive health in urban poor and addicted women*
M. Romero, Mexican Institute of Psychiatry, Mexico City, Mexico
- 74 *Gender differences in how intimate partners influence drug treatment motivation*
K.S. Riehm and Y. Hser, Drug Abuse Research Center, University of California, Los Angeles, and RAND Drug Policy Research Center, Santa Monica, CA
- 75 *Gender differences and readiness for drug treatment*
D.E. King, R.I. Herning and J.L. Cadet, National Institute on Drug Abuse, National Institutes of Health, Baltimore, MD
- 76 *Effects of gender on initial treatment engagement in a hospital-based addiction clinic*
A. Schuster and A. King, The University of Chicago, Chicago, IL
- 77 *Voucher purchases and drug use among cocaine-dependent women*
M.V. Pantalon, D.M. LaPaglia, J.P. Pakes, M.C. Chawarski, R.S. Schottenfeld, Yale University School of Medicine and The APT Foundation, New Haven, CT
- 78 *Gender differences in susceptibility to cigarette smoking: Girls are more responsive than boys*
C.V. Valdez, F.G. Castro, and J. Brook, Arizona State University, Tempe, AZ, and Mt. Sinai Medical Center, New York, NY
- 79 *Smoking, nicotine dependence, and quitting in young women: Implications for treatment*
M.M. Kilbey, S. Fiscaro, J. Mullennix, and R. Torrento, Wayne State University, Detroit, MI, and University of Pittsburgh, Pittsburgh, PA
- 80 *Gender differences in juvenile arrestees' drug use, dependency, and perceived need for treatment*
J.Y.S. Kim and M. Fendrich, University of Illinois at Chicago, Chicago, IL
- 81 *Problem severity and treatment outcomes of substance-abusing female offenders*
D.S. Festinger, J.C. Merrill, D.B. Marlowe, A.V. Harrell, P. Lee, J. McNellis and A.T. McLellan, Treatment Research Institute at the University of Pennsylvania, Philadelphia, PA, and The Urban Institute, Washington, DC
- 82 *Pathways to substance abuse among jailed women in California*
J. Steinberg, C. Grella, G. Monahan, UCLA Drug Abuse Research Center, Los Angeles, CA

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- 83 *Therapeutic alliance and psychosocial outcomes in a substance abuse treatment program for incarcerated women*
J. Wellisch, E.A. Hall, and M. Prendergast, Drug Abuse Research Center, University of California, Los Angeles, CA
- 84 *Perpetrators, victims and observers of violence: Gender differences in out-of-treatment chronic drug users versus non-drug users*
Z. Yu, H.V. McCoy, S.E. Messiah, and P. Shapshak, University of Miami School of Medicine, Miami, and Florida International University, North Miami, FL
- 85 *Substance abuse and violence among women entering substance abuse treatment*
R Sinha and C.J. Easton, Yale University School of Medicine, New Haven, CT
- 86 *Comorbidity in substance abusing women on welfare: Relationship between substance-abuse, mental disorders, victimization, and 3-month outcomes*
M. Gutman, R. Ketterlinus, A.T. McLellan, J. Willem, L. MacPherson, B. Harris, Treatment Research Institute at the University of Pennsylvania, Philadelphia, PA
- 87 *Differential changes in ASI alcohol, drug, and employment composite scores as a function of implementation level of the CASAWORKS for Families Program*
J.M. Willem, A.T. McLellan, M. Gutman, B. Ketterlinus, L. MacPherson, B. Harris, Treatment Research Institute at the University of Pennsylvania, Philadelphia, PA
- 88 *Cocaine, alcohol, marijuana, and anxiety among under-served, predominately poor, urban, African American women*
H. Hall and L. Singer, Case Western Reserve University, Rainbow Babies and Children's Hospital, Cleveland, OH
- 89 *Age and gender predict depressive and manic symptoms among bipolar disorder patients with comorbid alcohol dependence*
I. Salloum, J. Cornelius, L. Kirisci, D. Daley, University of Pittsburgh School of Medicine, Pittsburgh, PA

ADOLESCENTS

- 91 *Estimate of prevalence of cocaine and coca paste among 8th to 12th grade students in Chile: Results of 1999 national survey on students in Chile*
L. Caris, J. Anthony, University of Chile, Santiago, Chile and The Johns Hopkins University, Baltimore, MD
- 96 *Factors related to high-risk sexual behaviors among young adult mothers who were pregnant teenagers*
M.D. Cornelius, H. Lebow, N. Robles, J.R. Cornelius, University of Pittsburgh, Pittsburgh, PA

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- 97 *A descriptive examination of smoking patterns among two racial groups of pregnant adolescents*
S.A. Albrecht, M.V. Taylor, B.J. Braxter, M.D. Reynolds, M.D. Cornelius, J.R. Cornelius,
School of Nursing and School of Medicine, University of Pittsburgh, Pittsburgh, PA
- 99 *Teen smokers' motivational correlates to seek help with quitting: Preliminary findings*
D.J. Jackson, A. Radzius, I. Berlin, J.E. Henningfield and E.T. Moolchan, NIH, NIDA
Intramural Research Program, Teen Tobacco Addiction Treatment Research Clinic,
Baltimore, and Pinney Associates, Bethesda, MD
- 110 *A literature review of population studies of substance use and psychiatric comorbidity in adolescent females*
T.D. Armstrong and E.J. Costello, Duke University Medical Center, Durham, NC
- 111 *Prevalence of personality disorders in an out-of-treatment sample of young drug users*
C. Harrington, C. Latkin, and S. Strathdee, Johns Hopkins School of Public Health,
Baltimore, MD
- 113 *Drug use, impulsivity, and early pubertal onset in early and mid adolescents with ADHD and age-matched pediatric controls*
C.A. Martin, D.B. Broglia, H. Omar, T. Past, K. Himelreich, T. Kelly, C. Leukefeld, The
Center for Drug and Alcohol Research, University of Kentucky, Lexington, KY
- 120 *Adolescents in day treatment for conduct and substance use problems: Minimal gender differences*
S.K. Mikulich, E.A. Whitmore, S.K. Hall, and T.J. Crowley, University of Colorado School
of Medicine, Denver, CO
- 121 *Gender differences in the severity and patterns of victimization among adolescents treated for substance abuse: Intake status and outcomes*
J.C. Titus, W.L. White, M. Dennis, and C.K. Scott, Chestnut Health Systems, Bloomington
and Chicago, IL
- 123 *Predictors of drug relapse among adolescents following treatment*
S.A. Maisto, J.R. Cornelius, N.K. Pollock, C.S. Martin, D.B. Clark, K.G. Lynch, R.T.
Ammerman, University of Pittsburgh, Pittsburgh Adolescent Alcohol Research Center,
Pittsburgh, PA
- 126 *History of sexual abuse, sex differences, and drinking outcomes following discharge from inpatient alcohol treatment*
S.F. Greenfield, M.E. Kolodziej, R.D. Weiss, D.E. Sugarman, and L.M. Vagge, Harvard
Medical School, Boston, and Alcohol and Drug Abuse Program, McLean Hospital, Belmont,
MA

Tuesday, June 20, 2000

Oral Communications X

Ballroom C

10:00 – 12:30 p.m.

**SPECIAL DELIVERY: OLD TREATMENTS,
NEW ROUTES**

Chairs: Linda Perrotti and Sandra D. Comer

10:45 *Estrogen affects cocaine-induced behavioral sensitization*

L.I. Perrotti, T. Webb, S. Russo, H. Fletcher, J. Chin, S.J. Fabian, S. Jenab, and V. Quiñones-Jenab, Hunter College of the City University of New York, New York, NY

11:00 *Estrogen influences behavioral sensitization to cocaine in female rats*

S.L. Sell, M.L. Thomas, and K.A. Cunningham, University of Texas Medical Branch, Galveston, TX

POSTER SESSION III

**Expo Center
8:00 – 10:00 a.m.**

COCAINE: TREATMENT

- 1 *Unique intervention-matching strategies to reduce crack use*
T.A. Ridenour, L.B. Cottler, W.M. Compton, E.L. Spitznagel, Washington University School of Medicine, St. Louis, MO

OPIOIDS: DETOXIFICATION, TREATMENT ISSUES

- 35 *Office-based methadone prescribing in primary care: Preliminary results of a randomized clinical trial of safety and efficacy*
E. Drucker, D. Hartel, and E. Tuchma, Albert Einstein College of Medicine, Bronx, NY

AMPHETAMINES

- 46 *Contingency management: Incentives for behavioral change among methamphetamine users*
R. Gonzales, V. Gulati, J. D'Sa, A. Huber, Friends Research Institute, Los Angeles Addiction Research Consortium, CA
- 48 *Children of methamphetamine users: Risk and protective factors*
C.L. von Mayrhauser, M.L. Brecht, and M.D. Anglin, UCLA Drug Abuse Research Center/Integrated Substance Abuse Programs, Neuropsychiatric Institute, Los Angeles, CA

SEDATIVE-HYPNOTICS, INHALANTS

- 76 *A comparison of the effects of alprazolam and gender on food intake in young and senior adults*
A.P. Makris, T.H. Kelly, and J.F. Wilson, Graduate Center for Nutritional Sciences and University of Kentucky, Lexington, KY

HIV/AIDS RISK, PREVENTION

- 86 *Sexual abuse, psychological distress and HIV-related risk*
D. Paone, V. Catan, S. Titus, and D. Des Jarlais, Beth Israel Medical Center, Chemical Dependency Institute, New York, NY
- 88 *Changes in HIV sexual risk behavior among African-Americans who use crack/cocaine and alcohol using a risk behavior profile*
J. Balls, L. Cottler, R. Cunningham-Williams, W. Compton, and A. Ben Abdallah, Washington University School of Medicine, St. Louis, MO

Wednesday, June 21, 2000

- 90 *Use of preventive health services by chronic drug users*
C. McCoy, L. Metsch, D. Chitwood and M. Pereyra, Comprehensive Drug Research Center, and University of Miami, FL
- 95 *Social network factors and drug use risk among needle exchange clients*
A. Gogineni, J. Clarke and M.D. Stein, Brown University School of Medicine, Providence, RI
- 99 *Gender and personality predicting intervening and planning to prevent alcohol-related harm*
M.M. Roberts, J.W. Graham, J.W. Tatterson and S.E. Johnston, Penn State University, University Park, PA
- 104 *The geographic distribution of methamphetamine- and cocaine-related hospital discharges in California zip codes: Effects of spatial interdependence and gender*
J. Martin and P. Gruenewald, Prevention Research Center, Pacific Institute for Research & Evaluation, Berkeley, CA
- 105 *Age- and sex-specific hazards for progression from first use to first symptom of dependence on cocaine, marijuana, and alcohol*
F.A. Wagner, J.C. Anthony, Johns Hopkins University, Baltimore, MD
- 106 *Impact of sexual and physical abuse on substance abuse-related problems*
J.B. Savetsky, R. Saitz, J.M. Liebschutz, L.M. Sullivan, C. Lloyd-Travaglini, L. Weinstein, and J.H. Samet, Boston University Schools of Medicine and Public Health Boston Medical Center, Boston, MA
- 108 *A new look at the association between cocaine use and HIV/STDS among inner-city soup kitchen attendees*
L. Nuttbrock, A. Rosenblum, S. Magura, H. McQuisition, and H. Joseph, NDRI, Project Renewal, OASAS, New York, NY

Oral Communications XI

Ballroom B

10:00 – 12:30 p.m.

STIMULANTS AND STEROIDS

Chairs: Nancy K. Mello and Suzette N. Evans

- 10:15 *The effects of cocaine on basal ovarian steroid hormones in female rhesus monkeys*
N.K. Mello, J.H. Mendelson, M. Kelly and C.A. Bowen, McLean Hospital, Harvard Medical School, Belmont, MA
- 10:30 *Role of estrogen in the response to acute cocaine treatment in female rats*
W. Zhou, K.A. Cunningham, and M.L. Thomas, University of Texas Medical Branch, Galveston, TX

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- 10:45 *The effect of estrogen on the acquisition of cocaine self-administration in female rats*
M.E. Roth, W.J. Lynch, J.L. Mickelberg, and M.E. Carroll, University of Minnesota, Minneapolis, MN
- 11:00 *Population analysis of sex and ovariectomy effects on cocaine-stimulated locomotion in rats*
Q.D. Walker, S. Li, J. Cabassa, K.A. Kaplan, J. Haroon, and C.M. Kuhn, Duke University Medical Center, Durham, NC
- 11:15 *Gender differences in the behavioral effects of methamphetamine*
C.W. Schindler, J.G. Bross, E.B. Thorndike, NIH/NIDA Intramural Research, Baltimore, MD
- 11:30 *The effects of repeated smoked cocaine administration during the follicular and luteal phases of the menstrual cycle*
S.M. Evans, M. Haney and R.W. Foltin, Columbia University and New York State Psychiatric Institute, New York, NY
- 11:45 *Acute effects of estrogen and amphetamine in post-menopausal women*
A.J.H. Justice and H. de Wit, The University of Chicago, Chicago, IL
- 12:00 *Cocaine-induced cerebral vasoconstriction is sex- and menstrual-cycle-phase-dependent*
M.J. Kaufman, J.M. Levin, L.C. Maas, T.J. Kukes, R.A. Villafuerte, K. Dostal, S.E. Lukas, J.H. Mendelson, B.M. Cohen and P.F. Renshaw, McLean Hospital, and Harvard Medical School, Belmont, MA
- 12:15 *Gender differences in susceptibility to MDMA neurotoxic effects: A SPECT study*
L. Reneman, G.J. den Heeten, J. Booij, Graduate School of Neuroscience, Academic Medical Center, University of Amsterdam, The Netherlands

Oral Communications XII

Ballroom A

10:00 – 12:30 p.m.

GLOBAL SURVEILLANCE AND FOCAL PREVENTION

- 11:45 *Regional variation in drug purchase opportunity among youth*
K.E. James, F.A. Wagner, and J.C. Anthony, Johns Hopkins University, Baltimore, MD
- 12:15 *Maternal risk factors associated with the prevalence of Fetal Alcohol Syndrome in the Western Cape of South Africa*
P.A. May, J.P. Gossage, and J.S. Tonigan, Center on Alcoholism, Substance Abuse and Addictions, The University of New Mexico, Albuquerque, NM

Wednesday, June 21, 2000

Oral Communications XIII

Ballroom C
10:00 – 12:30 p.m.

CRIME, VIOLENCE, AND DRUGS

Chairs: Douglas B. Marlowe and Jesse B. Milby

- 10:00 *History of physical and sexual assault and current psychosocial stressors: Implications for drug treatment outcomes*
L. Cooper, V. Gil-Rivas, C. Grella, Y.I. Hser, and E. Hall, Drug Abuse Research Center, University of California, Los Angeles, CA
- 10:15 *Differences in victimization experiences for homeless women and men in a cocaine dependence treatment program: Implications for treatment outcomes*
S. Frison, J. Milby, S. Usdan, C. McNamara, and J. Schumacher, University of Alabama at Birmingham, Birmingham, AL
- 10:30 *Relationship of childhood trauma to current victimization, addiction severity and psychopathology in female addicts*
D.L. Haller, D. Miles, D.S. Svikis, and A. Amponsah, Medical College of Virginia of Virginia Commonwealth University, Richmond, VA
- 10:45 *Psychological distress, violence, and infant placement in cocaine-using post-partum women*
S. Minnes, L.T. Singer and K. Farkas, Case Western Reserve University School of Medicine and School of Applied Social Science, Cleveland, OH

Oral Communications XIV

San Cristobal
3:00 – 5:30 p.m.

DRUG ABUSE IN WOMEN

Chairs: Richard S. Schottenfeld and Karol Kaltenbach

- 3:00 *Are the reinforcing properties of cocaine or pups greater to maternal dams?*
B.J. Mattson, O. Norstrom, S. Williams, X.X. Guo, J.S. Rosenblatt, and J.I. Morrell, Rutgers University, Newark, NJ
- 3:15 *Gender differences in leptin increase during 14 days of cocaine withdrawal*
Z. Zimolo, R.M. Berman, H. Klumpp, G.R. Heninger, R.T. Malison, Yale University School of Medicine, New Haven, CT
- 3:30 *Depression adversely affects treatment outcome in cocaine-dependent women*
R.S. Schottenfeld, J. Pakes, M. Chawarski, M. Panatalon, D. LaPaglia, Yale University School of Medicine, New Haven, CT

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- 3:45 *How antiretroviral therapy is being prescribed to HIV+ women: Experience of the HERS and WIHS cohort studies*
P. Schuman and M. Cohen, Wayne State University, Detroit, MI, and Cook County Hospital, Chicago, IL
- 4:00 *Maternal opiate addiction, child maladjustment and sociodemographic risk: Untangling their links with parenting behaviors*
N. Suchman and S. Luthar, Yale University School of Medicine, New Haven, CT, and Teachers College, Columbia University, New York, NY
- 4:15 *Interpersonal maladjustment as a predictor of methadone-maintained mothers' response to the Relational Psychotherapy Mothers' Group*
S. Luthar and N. Suchman, Teachers College Columbia University, New York, NY, and Yale University School of Medicine, New Haven, CT
- 4:30 *Methadone maintenance during pregnancy: Questions of dose and blood plasma levels*
K. Kaltenbach, V. Berghella, J. Drozdick, M.K. Hill, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA
- 4:45 *Management of neonatal abstinence syndrome in newborns of opioid-maintained women*
G. Fischer, A. Peternell, H. Eder, K. Rohrmeister, A. Topitz, D. Kraigher, University Hospital of Vienna, Austria
- 5:00 *Affect dysregulation as a mediator of female cocaine abuse and aggressive behavior*
G.M. Miele and D.A. Hien, Columbia University College of Physicians and Surgeons, New York, and Derner Institute for Advanced Psychological Studies, Garden City, NY
- 5:15 *The role of alcohol outcome expectancies in risk for alcoholism among women with and without a family history of alcoholism*
A.L. Dorlen and S.M. Evans, Columbia University and New York State Psychiatric Institute, New York, NY

Oral Communications XV

Ballroom B

3:00 – 5:30 p.m.

BEHAVIORAL PHARMACOLOGY OF OPIOIDS

Chairs: S. Stevens Negus and George Kehner

- 4:00 *Naltrexone-precipitated withdrawal in buprenorphine-treated female monkeys*
C. Paronis, J. Bergman, Harvard Medical School/McLean Hospital ADARC, Belmont, MA

POSTER SESSION IV

**Expo Center
8:00 – 10:00 a.m.**

COCAINE: HUMAN LABORATORY STUDIES AND MEDICATIONS

- 5 *Gender and cocaine effect expectancies interact on recreational cocaine users' drug responses*
L.H. Lundahl, S. Whalen, and S.E. Lukas, McLean Hospital/Harvard Medical School,
Belmont, MA
- 11 *Neuropsychological profile of cocaine-dependent subjects*
L.S. Prichep, K. Alper, M. Tom, H. Merkin, B. Howard, S. Kowalik, and M.S. Rosenthal,
Brain Research Laboratories, NYU School of Medicine, New York, Nathan Kline Institute,
Orangeburg, and Phoenix House Foundation, New York, NY

MOLECULAR GENETICS

- 56 *Genetic polymorphisms and temperament*
J.M. Harrer, S.L. Neale, B. Singal, N.M. Richtand, D. Feldman, S. Lipsom, J. Nolan, E.
Somoza and D.W. Nebert, VA Medical Center and University of Cincinnati, OH

MEDICINAL CHEMISTRY

- 92 *Combined behavioral effects of ethanol and benzodiazepine hypnotics: Differences between female and male volunteers*
C. Simpson and C. Rush, The University of Kentucky, Lexington, KY
- 93 *Effects of ethanol on plasma allopregnanolone levels and mood in women across the menstrual cycle*
L. Holdstock, A.L. Morrow, S. Penland, and H. de Wit, University of Chicago, Chicago, IL,
and University of North Carolina, Chapel-Hill, NC
- 94 *Mechanisms of gender differences in ethanol withdrawal*
M.E. Jung, M.B. Gatch, C.J. Wallis and H. Lal, Institute of North Texas, University of North
Texas Health Science Center, Forth Worth, TX
- 95 *Gender differences in the relationship between educational attainment and alcohol abuse and dependence*
C.D.M. Furr-Holden, R. Crum, and J.C. Anthony, Johns Hopkins University School of
Hygiene and Public Health, Baltimore, MD

PREGNANCY, PERINATAL AND DEVELOPMENT EFFECTS

- 99 *Hydroxyl free radical production and vascular toxicity of cocaine during mid-embryonic chicken development*
L Venturini and S.B. Sparber, University of Minnesota, Minneapolis, MN
- 100 *Maternal separation affects mRNA levels of the opioid system in adult rats subjected to restraint stress and tests of morphine antinociception*
V. Yuferov, K.W. Easterling, S.D. Schlussman, J.R. Mantsch, M. Kalinichev, A. Ho, S.G. Holtzman, M.J. Kreek, The Rockefeller University, New York, NY, and Emory University School of Medicine, Atlanta, GA
- 101 *Periodic postpartum separation from the litter affects plus-maze performance and sensitivity to morphine in Long-Evans dams*
M. Kalinichev, K.W. Easterling, and S.G. Holtzman, Emory University School of Medicine, Atlanta, GA
- 102 *Identification and diagnosis of pregnant polydrug using women: Comparing measures of substance use*
P.L. Wilbourne, W.R. Miller, and L.B. Curet, University of New Mexico, Albuquerque, New Mexico
- 103 *Markers for risk of alcohol or drug-affected pregnancy in non-identified urban clinic patients*
K Ingersoll and M. Nettleman, Virginia Commonwealth University, Richmond, VA
- 104 *Improving birth outcomes in non-drug-treatment-seeking pregnant illicit-drug-using women: A pilot study*
L. Jolkovsky, H. Jones, B. Das, G. Tran, and D.S. Svikis, Johns Hopkins University School of Medicine, Baltimore, MD
- 105 *Does stage of change predict treatment retention and improvement in perinatal substance abusers?*
A. Amponsah, D. Miles, K.E. Bott, and D.L. Haller, Medical College of Virginia of Virginia Commonwealth University, Richmond, VA
- 106 *Gender differences in treatment admission*
C. Arfken, N. Borisova, C. Klein, S. di Menza, and C.R. Schuster, Research Division on Substance Abuse, Wayne State University, Detroit, MI
- 107 *Improving treatment outcome for cocaine-dependent pregnant women: Efficacy of a motivational intervention – A pilot study*
P.L. Moylan, H.E. Jones, M.P. Laban, N.A. Haug, D.S. Svikis, B. Cieslak, Johns Hopkins University, Baltimore, MD

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- 108 *Clinical efficacy of alternative voucher incentive programs for pregnant drug-dependent women*
D. Svikis, K. Silverman, N. Haug, H. Jones, R. Mejta, and M. Stitzer, Virginia Commonwealth University, Richmond, VA
- 109 *LAAM maintenance in opioid-dependent pregnant women*
J.S. Knisely, S.H. Schnoll, S. Wu-Pong, and G.C. Britt, Medical College of Virginia of Virginia Commonwealth University, Richmond, VA
- 110 *A report of 18 pregnancies among buprenorphine-treated women*
A. Loustauneau, M. Auriacombe, P. Franques, J.P. Daulouède, J. Tignol, Université Victor Segalen Bordeaux, Bordeaux, France
- 111 *Maintenance therapy with synthetic opioids within a multidisciplinary program – A stabilizing necessity for pregnant, opioid-dependent women*
H. Eder, G. Fischer, A. Peternell, A. Topitz, A. Habeler, D. Kraigher, University Hospital of Vienna, Austria
- 112 *Getting to treatment: The social construction of perinatal addiction and an analysis of one cause*
M Jessup, University of California, and School of Nursing, San Francisco, CA
- 113 *Predictors of premature treatment drop-out in pregnant drug-dependent women*
G.Q. Tran, M.L. Stitzer, H.E. Jones, J.J. Israel, and D.S. Svikis, Johns Hopkins University School of Medicine, Baltimore, MD
- 114 *Motivational enhancement therapy for tobacco dependence in methadone-maintained pregnant women*
N.A. Haug, D.S. Svikis, C.C. DiClemente, H.E. Jones, and M.L. Stitzer, Johns Hopkins University School of Medicine, University of Maryland, Baltimore, MD
- 115 *Partner support and level of tobacco dependence in pregnant women*
K.E. Bott, J. Kulstad, S. Benedict, H. Jones, R. Mejia, and D.Svikis, Medical College of Virginia, Virginia Commonwealth University, Richmond, VA, and Johns Hopkins University School of Medicine, Baltimore, MD
- 116 *Perceived risks of smoking and motivation to quit in high versus low tobacco-dependent pregnant women*
B. Leonhardt, D. Svikis, H. Jones, S. Benedict and M. Lantz, Virginia Commonwealth University, Richmond, VA
- 117 *Assessing maternal awareness of risks associated with tobacco use during pregnancy*
M.P. Laban, H.E. Jones, P.L. Moylan, L.M. Tuten, N.A. Haug, D.S. Svikis, Johns Hopkins University, Center for Addiction and Pregnancy, Baltimore, MD

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- 118 *Perceptions about prenatal care among African American women who abuse illegal drugs in Washington, DC: A case study*
L. Richards, Medical and Health Research Association, New York, NY, and NIH, Washington, DC
- 120 *Nine-year postnatal neuropsychological profiles of children prenatally exposed to cocaine*
P.R. Marques, E. Danesco, D. Branch, J. Pokorni, H. Kirk, L. Teti, T. Long, Public Services Research Institute, Pacific Institute for Research and Evaluation, Landover, MD, and Georgetown University Child Development Center, Washington, DC
- 121 *Sex differences in salivary cortisol responses to anticipatory stress in children of drug-dependent fathers*
H.B. Moss, T.L. Hardie, M.M. Vanyukov, and J.K. Yao, Temple University School of Medicine, Philadelphia, and University of Pittsburgh, PA
- 122 *Behavior profiles of children of substance-dependent women*
M. Leff, D. Svikis, N. Haug, M. Jeter, The Johns Hopkins University School of Medicine, Baltimore, MD
- 123 *An evaluation of a model of biopsychosocial factors that mediate the relationship between childhood abuse and substance use: Treatment implications for women*
L. Simons, J. Ducette, G.J. Stahler, K. Kirby, and T.E. Shipley, Temple University School of Medicine, and Diagnostic Rehabilitation Center/Hutchinson Place, Philadelphia, PA
- 124 *Inner city households: Parent/child relations when drug use/sales are present*
E Dunlap, B. Johnson, National Development and Research Institutes, Inc., New York, NY
- 125 *Relationship between reported history of abuse and psychopathology in substance-dependent women of childbearing age*
S.M. Benedict, J.L. Kulstad, D. Svikis, N. Haug, D.L. Haller, and M.E. McCaul, Medical College of Virginia of Virginia Commonwealth University, Richmond, VA, and Johns Hopkins University School of Medicine, Baltimore, MD
- 126 *Intergenerational substance abuse: The impact on the third generation*
A.S. Griffing, D.F. Ragin, S.M. Morrison, R.E. Sage, L. Madry, L.E. Bingham, B.J. Primm, Urban Women's Retreat, New York, Urban Resource Institute, Brooklyn, NY
- 127 *Relationship between familial risk and protective factors and addiction/psychiatric severity in female drug abusers*
D.R. Miles, J. Kulstad, R.W. Pickens, and D.L. Haller, Virginia Commonwealth University, Medical College of Virginia, Richmond, VA

Thursday, June 22, 2000

128 *The relationship between comorbid psychiatric diagnosis and early environment in pregnant substance abusers*

J. Kulstad and D. Haller, Medical College of Virginia, Virginia Commonwealth University, Richmond, VA

Oral Communications XVII

Ballroom A

10:00 – 12:30 p.m.

MULTIPLE CHOICE: POLYDRUG ABUSE

Chairs: Nicole Mutschler and Kathleen M. Kantak

10:45 *The cholinergic and opioid systems are involved in the enhancing effects of chronic sucrose on nicotine antinociception in female rats*

S. Mandillo, R.B. Kanarek, Tufts University, Medford, MA

12:00 *HIV seroprevalence among victims of fatal accidental drug overdose in New York City: 1991-1998*

K. Tardiff, P.M. Marzuk, A.C. Leon, L. Portera, Weill Medical College of Cornell University, New York, NY

Oral Communications XVIII

San Cristobal

10:00 – 12:30 p.m.

BENZODIAZEPINES

Chairs: Charles P. France and Elise M. Weerts

10:30 *Influence of age and sex on the behavioral effects of alprazolam*

T.H. Kelly, C.S. Emurian, A.M. Fredenburg, C.A. Martin, L.R. Hays, K.M. Muse, S.J. Legan, and J.F. Wilson, College of Medicine, University of Kentucky, Lexington, KY

Oral Communications XXI

Ballroom A

3:00 – 5:30 p.m.

ADOLESCENTS

Chairs: Andrew Morral and Suzanne M. Colby

4:30 *The impact of sexual abuse history on post-treatment substance use among female adolescent substance abusers*

J. Rounds-Bryant, National Development and Research Institutes, Inc., Raleigh, NC

4:45 *Substance use severity from adolescence to young adulthood in females*

A.C. Mezzich, S. Lu, M. Dunn, and S. Parks, University of Pittsburgh, School of Pharmacy, Pittsburgh, PA

NIDA WOMEN & GENDER TRAVEL AWARDEES

<u>Name</u>	<u>Title of Presentation</u>
Sharon M. Benedict (19)* Medical College of Virginia/VCU	Relationship between reported history of abuse and psychopathology in substance dependent women of childbearing age
Scott F. Coffey (2) State University of New York at Buffalo	Cue reactivity in women with comorbid crime-related PTSD and cocaine dependence
Igor Elman (1) Massachusetts General Hospital	Gender differences in craving, mood and stress among non-treatment seeking individuals with cocaine dependence
Sonja Frison (14) University of Alabama at Birmingham	Differences in victimization experiences for homeless women and men in a cocaine dependence treatment program: Implications for treatment outcomes
Carolyn D.M. Furr-Holden (16) Johns Hopkins University	Gender differences in the relationship between education attainment and alcohol abuse and dependence
Sascha Griffing (19) Urban Women's Retreat	Intergenerational substance abuse: the impact on the third generation
Louis Holdstock (16) University of Chicago	Effects of ethanol on plasma allopregnanolone levels and mood in women across the menstrual cycle
Marianna E. Jung (16) University of North Texas	Mechanisms of gender differences in ethanol withdrawal
Mikhail Kalinichev (17) Emory University School of Medicine	Periodic postpartum separation from litter affects plus-maze performance and sensitivity to morphine in Long-Evans dams
Julia Y.S. Kim (7) University of Illinois at Chicago	Gender differences in juvenile arrestees' drug use, dependency, and perceived need for treatment
Jody L. Kulstad (20) Medical College of Virginia/VCU	The relationship between comorbid psychiatric diagnosis and early environment in pregnant substance abusers
Jane Liebschutz (6) Boston Medical Center	Suicidal ideation in HIV-infected female drug addicts
Gloria M. Miele (15) New York State Psychiatric Institute	Affect dysregulation as a mediator of female cocaine abuse and aggressive behavior
Maureen Miller (3) National Development & Research Institutes	Networks, resources and risk among women who use drugs
Sonia Minnes (14) Case Western Reserve University	Psychological distress, violence, and infant placement in cocaine using postpartum women
Erik R. Rasmussen (6) Washington University School of Medicine	The relationship between gender and physiological dependence to opioids in general population and treatment samples
Liesbeth Reneman (13) Academic Medical Center	Gender differences in susceptibility to MDMA neurotoxic effects: a SPECT study
Megan E. Roth (13) University of Minnesota	The effect of estrogen on the acquisition of cocaine self-administration in female rats
Alyson Schuster (7) University of Chicago	Effects of gender on initial treatment engagement in a hospital-based addiction clinic

NIDA WOMEN & GENDER TRAVEL AWARDEES

<u>Name</u>	<u>Title of Presentation</u>
Cathy A. Simpson (16) The University of Kentucky	Combined behavioral effects of ETOH and benzodiazepine hypnotics: differences between female and male volunteers
Yong S. Song (6) University of California San Francisco	Gender differences in sample selection in a randomized clinical trial for cocaine dependence
Janet C. Titus (9) Chestnut Health Systems	Gender differences in severity and patterns of victimization among adolescents treated for substance abuse: intake status and outcomes
Giao Q. Tran (18) Johns Hopkins Bayview Medical Center	Predictors of premature treatment drop-out in pregnant drug-dependent women
Courtney V. Valdez (7) Arizona State University	Gender differences in susceptibility to cigarette smoking: girls are more responsive than boys
Wenxia Zhou (12) University of Texas Medical Branch	Role of estrogen in the response to acute cocaine treatment in female rats
Zoran Zimolo (14) Yale University	Gender differences in leptin increase during 14 days of cocaine withdrawal

*Number in parenthesis indicates the page number in this program on which speaker's presentation is scheduled.