

CURRICULUM VITAE

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CURRENT POSITION

03/09- Medical Director, Clinical Science, Alkermes Inc.

RECENT POSITION

08/08- Director, Medical and Pharmacological Information, Medical Affairs, Alkermes Inc.

EDUCATION

M.D., Université Louis Pasteur, Faculté de Médecine, Strasbourg, France 06/1984
Completion of Core Medical studies 06/1979
Baccalauréat, Lycée Charles de Gaulle, Baden-Baden, Germany (Math and Physics), 1973

Fluent in French and German, conversant in Spanish

CERTIFICATIONS

American Society of Addiction Medicine, 2000
Advanced Cardiac Life Support, 1997 (Johns Hopkins Bayview Medical Center);
Recertified in 1999, 2001, 2003, 2006
Trainer of Trainers for Methadone Treatment Programs, 1991 (Office of Treatment Improvement)
American Board of Pediatrics, 1989; Recertified in 1996 and 2003
Doctorat en Médecine, Diplôme d'Etat (French State diploma) 1984

LICENSURE

Virginia -1997
Maryland -1989
District of Columbia - 1988

TRAINING

Pediatric and Child Health Residency, Howard University, Washington, D.C.
1985-88

Residency (Internat) Training, Faculté de Médecine at Hospital Louis Pasteur,

Strasbourg and Colmar, France (1979-1984), which included:
Psychiatry (Centre Psychothérapique de Colmar); 4/84-10/84
Geriatrics and Rehabilitation; 4/83-4/84
Pediatrics; 10/82-4/83
Internal Medicine/ gastroenterology; 4/82-10/82
Surgical Intensive Care; 10/81-4/82; Radiology; 10/80-10/81
Internship, Wissembourg and Strasbourg, France: General Surgery, Obstetrics,
Endocrinology and Rehabilitation for alcohol dependent patients; 6/79-9/80

1973-1979: 6-year Medical School Curriculum Faculté de Médecine at Hospital
Louis Pasteur, Strasbourg, France

PUBLICATIONS

Peer-reviewed

102. Aklin WM, **Moolchan ET**, Luckenbaugh DA & Ernst M: Early tobacco smoking in adolescents with externalizing disorders: Inferences for reward function. Nicotine and Tobacco Research, in press

101. Promoting abstinence from cocaine and heroin with a methadone dose increase and a novel contingency. Epstein DH, Schmittner J, Umbricht A, Schroeder JR, **Moolchan ET**, Preston KL. Drug Alcohol Depend. 2008 Dec 18. [Epub ahead of print]

100. **Moolchan ET**, Parzynski CS, Jaszyna-Gasior M, Leff Michelle and Zimmerman D: A Link between Adolescent Nicotine Metabolism and Smoking Topography. Cancer Epidemiology Biomarkers and Prevention, in press

99. King G, Yerger VB. Whembolua GL, Bendel RB, Kittles & **Moolchan ET**: Melanin and Nicotine: Evidence of an Association. Pharmacology Biochemistry and Behavior, in press

98. Wieczorek CE, Jaszyna-Gasior M, Collins CC, Garver LA, Parzynski CS. Kim LM & **Moolchan ET**: Impulsivity and early trajectory among adolescent tobacco smokers. Substance Use and Misuse, in press.

97. Collins CC, Lippmann BM, Lo SJ, & **Moolchan ET**: Time spent with smoking parents and smoking topography in adolescents Addictive Behaviors 2008 Dec;33(12):1594-7. Epub 2008 Jul 18

96. Jaszyna-Gasior M, Schroeder JR, Thorner ED, Heishman SJ, Collins CC, Lo S & **Moolchan ET**: Age at menarche and weight concerns in relation to smoking trajectory and dependence among adolescent girls enrolled in a smoking cessation trial. Addict Behav. 2009 Jan;34(1):92-5. Epub 2008 Aug 8.

95. Luther EJ, Parzynski CS, Jaszyna-Gasior M & **Moolchan ET**. Does allowing adolescents to smoke at home affect their consumption and dependence? *Addictive Behaviors* 2008 Jan 26; [Epub ahead of print]
94. Robinson LA, Emmons KM, **Moolchan ET**, Ostroff JS. Developing smoking cessation programs for chronically ill teens: lessons learned from research with healthy adolescent smokers. *Journal of Pediatric Psychology* 2007 Dec 3
93. Parzynski CS, Jaszyna-Gasior M, Franken FH & **Moolchan ET**: Measuring nicotine intake among dependent adolescent smokers: comparability of saliva and plasma cotinine concentrations *Pharmacology, Biochemistry and Behavior*, 2008 Apr;89(2):145-9. Epub 2007 Dec 8.
92. Barnes AJ, Smith ML, Kacinko SL, Schwilke EW, Cone EJ, **Moolchan ET**, Huestis MA. Excretion of methamphetamine and amphetamine in human sweat following controlled oral methamphetamine administration, *Clinical Chemistry* 2007 Nov 2
91. Leventhal AM, Waters AJ, Boyd S, **Moolchan ET**, Heishman SJ, Lerman C, Pickworth WB. Associations between Cloninger's temperament dimensions and acute tobacco withdrawal. *Addict Behav.* 2007 Jun 9; [Epub ahead of print]
90. Myers CS, Taylor RC, **Moolchan ET** & Heishman SJ. Dose-related enhancement of mood and cognition in smokers administered nicotine nasal spray. *Neuropsychopharmacology*. 2007 Apr 18; [Epub ahead of print]
89. Lee DC, Myers CS, Taylor RC, **Moolchan ET**, Berlin I, Heishman SJ. Consistency of subjective responses to imagery-induced tobacco craving over multiple sessions. *Addict Behav.* 2007 Jan 31; [Epub ahead of print]
88. Leventhal AM, Waters AJ, Boyd S, **Moolchan ET**, Lerman C & Pickworth WB: Gender differences in acute tobacco withdrawal: effects on subjective, cognitive and physiological measures. *Exp Clin Psychopharmacol.* 2007 Feb;15(1):21-36.
87. Fagan P, **Moolchan ET**, Lawrence D, Fernander AF & Ponder PK: Health disparities and the tobacco disease continuum, in *Conceptual foundations of the Tobacco Research Network on Health Disparities (TReND) Addiction*. 2007 Oct;102 Suppl 2:5-29.
86. Heinz A, Waters AJ, Taylor R C, Myers CS, **Moolchan ET** & Heishman SJ Effect of tobacco deprivation on the attentional blink in rapid serial visual presentation *Human Psychopharmacology: Clinical and Experimental*, 2007 Mar;22(2):89-96
85. **Moolchan ET**, Hayward MD, Fagan P, Fernander AF, Velicer WF, King G & Clayton RR: Addressing tobacco-related health disparities, in *Conceptual Foundations of the Tobacco Research Network on Health Disparities (TReND) Addiction*. 2007 Oct;102 Suppl 2:30-42.)

84. Huestis MA, Gustafson RA, **Moolchan ET**, Barnes A, Bourland JA, Sweeney SA, Hayes EF, Carpenter PM, Smith ML. Cannabinoid concentrations in hair from documented cannabis users. *Forensic Sci Int*. 2006 Sep 8; Epub ahead of print
83. Prokhorov AV, Winickoff JP, Ahluwalia JS, Ossip-Klein D, Tanski S, Lando HA, **Moolchan ET**, Muramoto M, Klein JD, Weitzman M, Ford KH. Youth tobacco use: A global perspective for child health care clinicians. *Pediatrics*. (2006) Sep;118(3):e890-e903.
82. Bagot KS, Heishman SJ & **Moolchan ET**: Tobacco craving predicts lapse to smoking among adolescent smokers in cessation treatment. *Nicotine & Tobacco Research* (in press)
81. Schwilke EW, Barnes AJ, Kacinko SL, Cone EJ, **Moolchan ET** & Huestis MA: Opioid disposition in human sweat following controlled oral codeine administration *Clin Chem*. 2006 Aug;52(8):1539-45. Epub 2006 Jun 1.
80. Berlin I, Jaszyna-Gasior M & **Moolchan ET**: Sex-based and hormonal contraception effects on nicotine metabolism among adolescent tobacco dependent smokers. *Nicotine Tob Res*. 2007 Apr;9(4):493-8.
79. Jaszyna-Gasior M, Schroeder JR & **Moolchan ET**. Alcohol use and tobacco abstinence among adolescents in cessation treatment: preliminary findings. *Addictive Behaviors* (32) 2007 617-621
78. Thorner E, Jaszyna-Gasior M, Schroeder J, Collins CC & **Moolchan ET**: Weight gain and related concerns among adolescent smokers in cessation treatment. *Journal of the National Medical Association* (in review)
77. **Moolchan ET**, Frazier M, Franken FH, Ernst M: Adolescents seeking smoking cessation treatment: relationship between externalizing symptoms, smoking history, and outcome. *Psychiatry Research* 2007 Jan-Feb;16(1):62-6.
76. Goodwin RS, Gustafson RA, Barnes A, Nebro W, **Moolchan ET** & Huestis MA Δ^9 -Tetrahydrocannabinol, 11-Hydroxy- Δ^9 -Tetrahydrocannabinol and 11-Nor-9-Carboxy- Δ^9 -Tetrahydrocannabinol in human plasma following controlled oral administration of cannabinoids. *Therapeutic Drug monitoring Ther Drug Monit*. 2006 Aug;28(4):545-51.
75. Yang W, Barnes AJ, Ripple MG, Fowler DR, Cone EJ, **Moolchan ET**, Chung H, Huestis MA: Simultaneous quantification of methamphetamine, cocaine, codeine, and metabolites in skin by positive chemical ionization gas chromatography-mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci*. (2006) Feb 22; Epub ahead of print

74. Ernst M, Luckenbaugh DA, **Moolchan ET**, Leff MK, Allen R, Eshel N, London ED & Kimes A: Behavioral predictors of substance use initiation in adolescents with and without Attention-Deficit/Hyperactivity Disorder. *Pediatrics* (2006) Jun;117(6):2030-9.
73. Bagot KS, Berarducci JM, Franken FH, Frazier MJ, Ernst M and **Moolchan ET**: Adolescents with conduct disorder: early smoking and treatment requests. *American Journal on Addictions Am J Addict.* 2007 Jan-Feb;16(1):62-6.
72. Schroeder JR & **Moolchan ET**: Ethnic differences among adolescents seeking smoking cessation treatment: A structural analysis of responses on the Fagerström Test for Nicotine Dependence. *Nicotine and Tobacco Research Nicotine Tob Res.* 2007 Jan;9(1):137-45.
71. Luther EJ, Bagot, KS, Frazier MJ, Franken FH & **Moolchan ET**: Reasons for wanting to quit: Ethnic differences among cessation seeking adolescent smokers. *Ethnicity and Disease* (2006) Summer;16(3):739-43.
70. Gorelick DA, Heishman SJ, Preston KL, Nelson RA, **Moolchan ET** & Huestis MA: The Cannabinoid CB1 receptor antagonist Rimonabant attenuates the hypotensive effect of smoked marijuana in male smokers. *American Heart Journal* (2006) Mar;151(3):754.e1-5.
69. Collins CC & **Moolchan ET**. Shorter time to first cigarette of the day in menthol adolescent cigarette smokers. *Addictive Behaviors* 2006 Aug;31(8):1460-4. Epub 2005 Nov 21.
68. Kacinko SL, Barnes AJ, Schwilke EW, Cone EJ, **Moolchan ET** & Huestis MA: Disposition of cocaine and metabolites in human sweat following controlled cocaine administration. *Clinical Chemistry* 2005 Nov;51(11):2085-94. Epub 2005 Sep 15.
67. Robinson ML, Schroeder JR & **Moolchan ET**. Adolescent smokers screened for a smoking cessation treatment study: correlates of eligibility and enrollment. *Nicotine and Tobacco Research*, June (2006): 8(3) 447-454
66. Franken FH, Epstein DH, Pickworth WB & **Moolchan ET**: Smoking rates and topography predict adolescent smoking cessation following treatment with nicotine replacement therapy. *Cancer Epidemiology Biomarkers and Prevention*, 2006 Jan;15(1):154-7
65. **Moolchan ET**, Franken FH, Jaszyna-Gasior M: Adolescent nicotine metabolism: ethnorracial differences among dependent smokers. *Ethnicity and Disease*, Jan (2006) (16): 239-243)
64. Eid NC, Fant RV, **Moolchan ET** & Pickworth WB: Placebo cigarettes in a spaced smoking paradigm (*Pharmacology, Biochemistry and Behavior*, 2005 May;81(1):158-64. Epub 2005 Apr 25)

63. Scheidweiler KB, Cone EJ, **Moolchan ET** & Huestis MA: Dose-related distribution of codeine, cocaine and metabolites into human hair following controlled oral codeine and subcutaneous cocaine administration. *Journal of Pharmacology and Experimental Therapeutics* (2005) May;313(2):909-15.
62. **Moolchan ET**, Robinson ML, Ernst M, Cadet JL, Pickworth WB, Heishman SJ, Schroeder JR. Safety and efficacy of the nicotine patch and gum for the treatment of adolescent tobacco addiction. *Pediatrics* (2005) Apr;115(4):e407-14.
61. Thorner ED, Jaszyna-Gasior Maria, Epstein DH & **Moolchan ET**. Progression to daily smoking: is there a gender difference among adolescent treatment seekers? *Substance Use and Misuse* (42) 829-835
60. Rodriguez-Rosas ME, Medrano JG, Epstein DH, **Moolchan ET**, Preston KL & Wainer IW: Determination of total and free concentrations of the enantiomers of methadone and its metabolite (EDDP) in human plasma by enantioselective liquid Chromatography With Mass Spectrometric Detection. *Journal of Chromatography A* 1073(1-2) 237-248
59. **Moolchan ET** and Schroeder JR: Quit attempts among African American teenage smokers seeking treatment: gender differences. *Preventive Medicine* (2004) 39(6)1180-1189
58. Gustafson RA, Kim I, Stout PR, Klette KL, George MP, **Moolchan ET**, Levine B & Huestis MA. Urinary pharmacokinetics of 11-nor-9-carboxy-delta9-tetrahydrocannabinol after controlled oral delta9-tetrahydrocannabinol administration. *Journal of Analytical Toxicology* (2004) Apr;28(3):160-7.
57. Lejuez CW, Aklin WM, Bornovalova MA & **Moolchan ET**: The relationship between risk-taking propensity and adolescent smoking status. *Nicotine and Tobacco Research* (2005) Feb;7(1):71-9.
56. Collins CC, Lippmann BM, Lo S & **Moolchan ET**: Time spent with smoking parents and smoking topography in adolescents *Addictive Behaviors*, 2008 Jul 18.2008
55. Heishman SJ, Boas ZP, Neukum MC, Taylor RC, Singleton EG & **Moolchan ET**: Effect of tobacco craving cues on memory encoding and retrieval in smokers. *Addictive Behaviors*, (2005) Sep 9
54. Kim I, Oyler JM, **Moolchan ET**, Cone EJ & Huestis MA: Urinary Pharmacokinetics of Methamphetamine after Controlled Oral Administration, *Therapeutic Drug Monitoring*; 2004 Dec;26(6):664-672.
53. Zimmerman D, Sehnert SS, Epstein, DH, Pickworth WB, Robinson ML & **Moolchan ET**: Smoking topography and trajectory of asthmatic adolescents requesting cessation

treatment. Preventive Medicine (2004) Nov;39(5):940-2

52. **Moolchan ET**, Zimmerman D, Sehnert SS, Zimmerman D, Huestis MA, Epstein DH: Recent marijuana blunt smoking impacts carbon monoxide as a measure of adolescent tobacco abstinence. Substance Use and Misuse (2004) 40(2):231-40.

51. Gustafson RA, **Moolchan ET**, Barnes A, Levine B, Huestis MA. Validated method for the simultaneous determination of Delta(9)-tetrahydrocannabinol (THC), 11-hydroxy-THC and 11-nor-9-carboxy-THC in human plasma using solid phase extraction and gas chromatography-mass spectrometry with positive chemical ionization. J Chromatogr B Analyt Technol Biomed Life Sci. (2003) Dec 5;798(1):145-54.

50. **Moolchan ET**, Hudson DL, Schroeder JR & Sehnert SS: Heart rate and blood pressure responses to tobacco smoking among African American adolescents. Journal of the National Medical Association 2004 Jun;96(6):767-71.

49. Kacinko L, Barnes AJ, Kim I, **Moolchan ET**, Wilson L, Cooper GA, Reid C, Baldwin D, Hand CW & Huestis MA: Performance characteristics of the Cozart® Rapiscan opiate oral fluid drug testing system in comparison to Elisa and GC/MS following controlled codeine administration. Forensic Science International (2004) Apr 20;141(1):41-8.

48. Barnes AJ, Kim I, Schepers R, **Moolchan ET**, Wilson L, Cooper G, Reid C, Hand C & Huestis MA: Sensitivity, Specificity and Efficiency in Detecting Opiate Use in Oral Fluid with the Cozart Opiate Microplate EIA and GC/MS Following Controlled Codeine Administration. Journal of Analytical Toxicology, 2003 Oct;27(7):402-7.

47. **Moolchan ET**: Adolescent menthol smokers: will they be a harder target for cessation? (Nicotine and Tobacco Research-Supplement on Menthol: Setting the Research Agenda, (2004);6 Suppl 1:S93-5

46. Kim I, Barnes AJ, Schepers R, **Moolchan ET**, Wilson L, Cooper G, Reid C, Hand C, Huestis MA. Sensitivity and Specificity of the Cozart Microplate EIA Cocaine Oral Fluid at Proposed Screening and Confirmation Cutoffs. Clinical Chemistry (2003) Sep;49(9):1498-503

45. Robinson ML, Berlin I & **Moolchan ET**: Tobacco smoking trajectory and associated ethnic differences among adolescent smokers seeking cessation treatment. Journal of Adolescent Health (2004) Sep;35(3):217-24.

44. Rodriguez-Rosas ME, Preston KL, Epstein DH, **Moolchan ET** & Wainer IW: Quantitative determination of the enantiomers of methadone and its metabolite (EDDP) in human saliva by enantioselective liquid chromatography with mass spectrometric detection. Journal of Chromatography B/Technological Life Sciences (2003) Nov 5;796(2):355-70

43. Kolbrich EA, Kim I, Barnes AJ, Schepers R, **Moolchan ET**, Wilson L, Cooper GA, Baldwin D, Hand CW and Huestis MA: Cozart rapiscan oral fluid drug testing system: an evaluation of sensitivity, specificity, and efficiency for cocaine detection compared to ELISA and GC/MS following controlled cocaine administration. *Journal of Analytical Toxicology* (2003) Oct;27(7):407-11.
42. Gustafson RA, Levine B, Stout PR, Klette KL, George KP, **Moolchan ET** and Huestis MA. Urinary cannabinoid detection times following controlled oral administration of delta 9-tetrahydrocannabinol to Humans. *Clinical Chemistry* (2003) Jul;49(7):1114-1124.
41. Lee EM, Malson JL, **Moolchan ET** & Pickworth WB: Quantitative comparisons between a nicotine delivery device (Eclipse) and conventional cigarette smoking. *Nicotine and Tobacco Research* (2004) Feb;6(1):95-102
40. Malson JL, Lee EM, Watson C, Polzin G, Murty R, **Moolchan ET** & Pickworth WB: Clove cigarette smoking: Biochemical, physiological, and subjective effects. *Pharmacology Biochemistry and Behavior* (2003) Feb;74(3):739-45.
39. **Moolchan ET**, Berlin I, Robinson ML & Cadet JL: Characteristics of African American teen smokers who request cessation treatment: Implications for addressing health disparities. *Archives of Pediatrics and Adolescent Medicine* (2003) Jun;157: 533-538
38. Pbert L, **Moolchan ET**, Muramoto M, Curry S, Winickoff JP, Lando HA, Ossip-Klein D, Prokhorov AV, DiFranza J, Klein JD: The state of office-based interventions for youth tobacco use. *Pediatrics* (2003) Jun;111(6 Pt 1):e650-60.
37. Henningfield JE, **Moolchan ET** and Zeller M: Reducing addiction and other tobacco-caused diseases in the young: Biological, public health and regulatory issues. *Tobacco Control* (2003) Jun;12 Suppl 1:I14-I24.
36. Schepers RJ, Oyler JM, Joseph RE, Cone EJ, **Moolchan ET** & Huestis MA: Methamphetamine and Amphetamine pharmacokinetics in oral fluid and plasma following controlled oral methamphetamine administration to human volunteers. *Clinical Chemistry* (2003) Jan; 49(1):121-132.
35. Aung AT, Pickworth WB & **Moolchan ET**: History of marijuana use and cigarette smoking topography in tobacco dependent adolescents. *Addictive Behaviors* (2004) Jun;29(4):699-706.
34. Radzius A, Gallo JJ, Gorelick DA, Cadet JL, Uhl GR, Henningfield JE & **Moolchan ET**: Nicotine dependence criteria of the DIS/DSM-III-R: A factor analysis. *Nicotine and Tobacco Research* (2004) May;6(2):303-308
33. **Moolchan ET**, Aung AT & Henningfield JE. Treatment of adolescent tobacco

smokers: Issues and opportunities for exposure reduction approaches. *Drug and Alcohol Dependence* (2003) Jun 5;70(3):223-32.

32. Jones D, Schroeder JR & **Moolchan ET**: Time spent with friends who smoke and number of quit attempts among teen smokers. *Addictive Behaviors* 2004 Jun;29(4):723-9.

31. Aung AT, Hickman NJ & **Moolchan ET**. Health and performance-related reasons for wanting to quit: Gender differences among teen smokers *Substance Use and Misuse*. 2003 Jun;38(8):1095-107.

30. Lee EM, Malson JL, **Moolchan ET** & Pickworth WB: Smoking topography: validity and reliability in dependent smokers. *Nicotine and Tobacco Research* (2003) Oct;5(5):673-9

29. Heishman SJ, Singleton EG & **Moolchan ET**: Tobacco Craving Questionnaire: reliability and validity of a new multifactorial instrument. *Nicotine and Tobacco Research* (2003)5, 645-654

28. Preston KL, Epstein DH, Cone EJ, Wtsadik AT, Huestis MA & **Moolchan ET**: Cocaine Metabolite Elimination Patterns in Chronic Cocaine Users During Cessation *Journal of Analytical Toxicology (J Anal Toxicol)*. 2002 Oct;26(7):393-400

27. Kim I, Barnes AJ, Oyler JM, Schepers R, Joseph RE, Cone EJ, Lafko D, **Moolchan ET** & Huestis MA: Pharmacodynamics and Plasma and Oral Fluid Pharmacokinetics Following Oral Codeine Administration: A controlled clinical study. *Clinical Chemistry* (2002) Sep;48(9):1486-96.

26. Oyler JM, Cone EJ, Joseph RE, **Moolchan ET** & Huestis MA: Duration of detectable methamphetamine and amphetamine excretion in urine after controlled oral administration of methamphetamine to humans. *Clinical Chemistry* (2002) Oct;48(10):1703-14

25. Pickworth WB, O'Hare E, Fant RV & **Moolchan ET**. EEG effects of conventional and denicotinized cigarettes in a spaced smoking paradigm. *Brain and Cognition* (2003) 53:75-81

24. Leff MK, **Moolchan ET**, Cookus BA, Spurgeon L, Evans LA, London ED, Kimes A, Schroeder JR and Ernst M: Behavioral predictors of smoking initiation among youth at risk for substance abuse. *Journal of Child and Adolescent Substance Use* (2002)

23. Marable S, Crim C, Dennis GC, Epps RP, Freeman H, Mills S, **Moolchan ET** (Coolchan erratum on Pubmed), Robinson L, Robinson R, Cole L and Payne PH. Tobacco control: consensus report of the National Medical Association. *Journal of the National Medical Association*. (2002) Feb;94(2):78-87.

22. **Moolchan ET** and Mermelstein R: Research on tobacco use among adolescents:

ethical challenges. *Journal of Adolescent Health* (2002) 30(6):409-17.

21. Winickoff JP, Ossip-Klein D, Pbert L, Lando HA, Mermelstein R, **Moolchan ET**, Prokhorov AV & Klein JD. Youth tobacco control research and activities in the United States: The current landscape. *Nicotine and Tobacco Research* (2003) Aug;5(4):435-54.

20. Malson JL, Lee EM, **Moolchan ET** & Pickworth WB. Nicotine delivery from Bidi cigarettes. *Nicotine and Tobacco Research* (2002) 4(4):485-490

19. Lyons TP, Okano CK, Kuhnle JA, Bruins MR, Darwin WD, **Moolchan ET** and Huestis MA: Comparison of Roche Kinetic Interaction of Microparticles in Solution (KIMS) assay for cannabinoids and GC-MS analysis for 11-nor-9 Carboxy-(9 tetrahydrocannabinol *Journal of Analytical Toxicology* (2001) 25(7):559-64.

18. Pickworth WB, **Moolchan ET**, Berlin I & Murty R. Sensory and physiologic effects of menthol and nonmenthol cigarettes with differing nicotine delivery. *Pharmacology Biochemistry and Behavior* (2002).71: 55-61,

17. **Moolchan ET** and Ruckel SJ. Tobacco cessation for adolescents: Developing a group therapy approach. *Journal of Child and Adolescent Substance Abuse* (2002) 12(1) 65-92

16. Radzius A, Gallo JJ, Epstein DH, Gorelick DA, Cadet JL, Uhl GR & **Moolchan ET**: A factor analysis of the Fagerström Test of Nicotine dependence (FTND) *Nicotine and Tobacco Research* (2003) Apr;5(2):255-40

15. Berlin I, Radzius A, Henningfield JE & **Moolchan ET**. Correlates of expired air carbon monoxide: effect of ethnicity and relationship with saliva cotinine and nicotine. *Nicotine and Tobacco Research* (2001);3(4):325-31.

14. Ernst M, **Moolchan ET**, Robinson ML. Behavioral and neural consequences of prenatal exposure to nicotine. *Journal of the American Academy of Child and Adolescent Psychiatry* (2001); 40: 630-641.

13. **Moolchan ET**, Radzius A, Epstein D, Gorelick D, Uhl G, Cadet J. and Henningfield J. The Fagerström Test of Nicotine Dependence and the Diagnostic Interview Schedule: Do they diagnose the same smokers? *Addictive Behaviors* (2002) 27(1):101-13.

12. Huestis M, Gorelick D, Heishman S, Preston K, Nelson R, **Moolchan ET** and Frank R. The CB1 antagonist SR 141716 inhibits human cannabinoid response in marijuana smokers. *Archives of General Psychiatry* (2001) (58) 332-338.

11. **Moolchan ET**, Umbricht A & Epstein D. Therapeutic drug monitoring in methadone maintenance: choosing a matrix. *Journal of Addictive Diseases* (2001); 20:55-73.

10. **Moolchan ET**, Berlin I, Robinson ML & Cadet JL. African American teen smokers: issues to consider for cessation treatment. *Journal of the National Medical Association*

(2000); 92: 558-562.

9. Radzius A, **Moolchan ET**, Henningfield JE, Heishman SJ & Gallo JJ. A factor analysis of the Fagerström Tolerance Questionnaire (FTQ). *Addictive Behaviors* (2001) (26)303-310.
8. **Moolchan ET**, Wtsadik A, Huestis M, Cone E & Preston K. Cocaine and metabolite elimination patterns in heavy cocaine users during cessation I: Saliva and Plasma Analysis. *Journal of Analytical Toxicology* (2000); Supplement 24:458-466
7. Robinson ML, Houtsmuller EJ, **Moolchan ET** & Pickworth WB. Placebo cigarettes in smoking research. *Experimental and Clinical Psychopharmacology* (2000); 8: 326-332.
6. **Moolchan ET**, Ernst M and Henningfield JE. A review of tobacco smoking in adolescents: treatment implications. *Journal of the American Academy of Adolescent and Child Psychiatry* (2000); 39: 682-693.
5. Taylor R, Harris NA, Singleton E, **Moolchan ET** and Heishman SJ. Tobacco craving imagery scripts in drug abusers. *Experimental and Clinical Psychopharmacology* (2000); 8:75-87.
4. Haverkos H, Turner F, **Moolchan ET** and Cadet J. "Relative Rates of HIV/AIDS among Racial Ethnic Groups by Exposure Categories". *Journal of the National Medical Association* (1999); 91: 17-24.
3. Hoffman JA, **Moolchan ET** and Rodriguez, SM. "Tobacco Addiction" *Current Opinion in Psychiatry* (1996); 9:221-224.
2. Hoffman JA and **Moolchan ET**: Phases of Treatment: Implementation and Evaluation, *Journal of Psychoactive Drugs* (1994); 26 (2):181-197
1. **Moolchan ET** and Hoffman JA. Phases of Treatment: A Practical Approach to Methadone Treatment. *International Journal of the Addictions* (1994); (29):135-160.

Book chapters

4. Pbert L & **Moolchan ET** Adolescent Smoking Cessation in the Context of Adolescent Addiction Treatment. Textbook of Adolescent Addictions. Brook D (Ed.) American Society of Adolescent Psychiatry, Oxford University Press (in press)
3. **Moolchan ET**. Perspectives on the risk-benefit ratio of pharmacological treatment for adolescent chemical addiction. In: *Drug Addiction Treatment in the 21st Century*. Henningfield JE, Santora PB, Bickel WK (Eds), Johns Hopkins Press (in press)
2. Hoffman JA and **Moolchan ET**. The Phases of Treatment Model of Methadone Treatment: Euro-Methwork (13); (1998): 7-9

1. **Moolchan ET**, Heishman, SJ, Pickworth WB and Henningfield J. Pharmacological Aspects of Nicotine and Nicotine Replacement Therapies in: Educating Medical Students About Tobacco: Planning and Implementation, Robyn Richmond (Ed)(1996); Chapter 24: 339-361.

Other publications

4. **Moolchan ET**: Teenagers and tobacco: A good time for treatment? The Brown Child and Adolescent University Newsletter, 2001; (17)1:1-5

3. Ernst M and **Moolchan ET**: Adolescent Research at the National Institute on Drug Abuse, Intramural Research Program. The Maryland Psychiatrist 1999

2. **Moolchan ET**: Smoking cessation and weight management. The Medical News 1996; Vol. 9 (8): 1-7.

1. **Moolchan ET**. Medico-Social Aspects of Preparing for Retirement (Published Doctoral Thesis, 94 pages, in French), 1984.

Published presentations, Selected Abstracts and Posters

King G, Polednak A, Slavkovic A, Kang J, Bendel RB & **Moolchan ET**: Socioeconomic and Racial-Ethnic Disparities in Reported Use of Pharmacotherapy for Smoking Cessation among U.S. Adult Current Smokers, 2000"137th APHA Annual Meeting & Exposition (November 7-11, 2009

Lawrence D, Fagan P, **Moolchan ET**, Backinger CL: Menthol Smokers in the US: National Patterns and Correlates. World Conf. on Tobacco or Health. Mumbai, India 2/2009

Heishman, SJ, Collins CC, Taylor, RC, Jaszyna-Gasior, M & **Moolchan ET**: Cognitive and mood changes after 18 hours of tobacco deprivation in adolescent smokers. 15th Annual Meeting of the SRNT Dublin, Ireland 03/09

Heishman SJ, Myers CS, Berlin I, Taylor RC, **Moolchan ET** and Salmeron BJ: Denicotinized Cigarettes Attenuate Tobacco Withdrawal Symptoms and Working Memory Deficits during an 8-Day Period. SRNT Rome, Italy 10/08

King G, Yerger V, Whembolua G, Bendel RB Kittles R & **Moolchan ET**: Melanin and Nicotine: Evidence of an Association" 136th APHA Annual Meeting & Exposition American Public Health Association Annual Meeting 10/2008, San Diego, CA

Moolchan ET. Evaluation and treatment of nicotine dependence among adolescents with co-morbid psychiatric disorders ASAM Toronto, CA 4/08

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Ambulatory Pediatrics
American Journal of Preventive Medicine
American Journal of Public Health
American Journal of Psychiatry
Alcohol Research & Health
Archives of Pediatric and Adolescent Medicine
Archives of Internal Medicine
Biological Psychiatry
Public Health

Drug and Alcohol Dependence
Journal of the American Medical Association (JAMA)
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Lancet
Neurology India
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Nicotine and Tobacco Research
Pediatrics
Pediatrics International
Pediatric Psychology
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Substance Use and Misuse (Editorial Board member)

ORAL PRESENTATIONS (Selected Invited and Keynote Lectures)

Adolescent Research at NIDA IRP. Baltimore Medical System; 12/2007

Treating Adolescents for Tobacco Addiction: Illustrating Diversity and Disparities -A Time for Diversity; Bethesda, MD 12/07

Science & Future Directions for Nicotine Regulation Meeting: Studies and Models for Examining Cigarettes with Low Nicotine Levels: Concerns regarding adolescent responses to reduced nicotine cigarettes 11/07 Rockville, MD

Gender differences among adolescent smokers seeking cessation treatment. Symposium: "A translational approach to understanding gender, adolescence, and vulnerability to nicotine addiction." Annual SRNT Austin, TX February 2007 (given by Jaszyna-Gasior M)

Risk Benefit of pharmacotherapy for youth tobacco dependence in "Developing Pharmacotherapies for Nicotine Dependence" Washington, DC January 2007

Treatment of Adolescent Tobacco Addiction: Implications for Addressing Health Disparities. NIH Academy, Bethesda MD. October 2006

Sex-based and hormonal contraception effects on the metabolism of nicotine among adolescent smokers. NIDA, IRP Research Lunch Baltimore, MD Sept. 06

Adolescent research on tobacco: context, challenges and perspectives for cessation success. National Naval Hospital Multidisciplinary Practice and Research audience (Social Workers, Psychiatrists, Psychologists, Substance Abuse Providers, Trainees) Bethesda, MD 03/07/06

Insights on adolescent tobacco dependence and treatment: For the Department of Mental Health, Bloomberg School of Public Health, Johns Hopkins University (Seminars on "Perspectives on Prevention and Treatment of HIV and Drug Dependence") Baltimore,

MD 1/31/06

Framing the Risk Benefit Ratio of Pharmacotherapy for Treating Adolescent Addiction
Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Toronto,
CA 10/20/2005

Adolescent Tobacco Addiction: Treatment Relevant Studies for the Addiction Research
Foundation -Tobacco Transdisciplinary Rounds, Center for Addiction and Mental Health
Toronto, CA 10/20/2005

Nicotine Replacement and Other Pharmacological Therapies: Focus on Adolescents with
Chronic Disorders. St. Jude Hospital Memphis, TN 10/05/05

An integrated model for addressing health disparities throughout the cycle of tobacco
addiction. TheRnet Quaterly meeting Anchorage, Alaska 6/03/05

Tobacco addiction and health disparities-Part 1. NIDA Intramural Research Program
Baltimore, MD Research lunch May 19, 2005

TTATRC from the community to the laboratory: Update 2005. NIDA Intramural
Research Program Baltimore, MD April 14, 2005

Addressing health disparities throughout the cycle of tobacco addiction
University of Texas, MD Anderson Cancer Center, Houston, TX 10/18/04

Treating Adolescent Tobacco Addiction:
Pediatrics Rounds: Johns Hopkins School of Medicine/Hospital Main Campus 10/2004

Adolescent Tobacco Addiction: Contextual Insights for Effective Treatments Trans NIH
Pediatric Consortium, Bethesda MD 10/2004

Treatment Relevant Perspectives of Adolescent Tobacco Addiction:
In Symposium: Neuroscience of Substance Abuse: Clinical Implications of Basic
Research, 51st Annual Meeting of the American Academy of Child and Adolescent
Psychiatry, Washington DC 10/2004

Safety, tolerability and efficacy of the nicotine gum and patch for adolescent smokers
NIDA Advisory Council Baltimore MD 09/04

Adolescent Tobacco Addiction: The Current Landscape
Invited Lecture at the University of Rhode Island, Kingstown, RI 6/23/04

Tobacco Related Health Disparities: The Treatment Core
TheRnet (Research network for the study of tobacco-related disparities in health
outcome)- NCI/ Penn State/University of Kentucky; Lexington, KY 4/2004

Session Co-Chair: “Adolescents and Tobacco” 66th Annual meeting of the CPDD San Juan, PR. 6/2004

The Importance of the Adolescent Context for the Life-cycle of Tobacco Addiction and Its Treatment

American Society of Addiction Medicine 35th Annual Medical-Scientific Conference, Washington, DC. April 2004

Safety, tolerability and efficacy of the nicotine gum and patch for adolescent smokers, NIDA, IRP, Grand Rounds; Baltimore, MD 3/2004

A randomized trial of the efficacy of the nicotine gum and patch for adolescent smokers 10th Annual Meeting of the SRNT, Scottsdale, AZ 2/2004

Hooked on Tobacco: Perspectives on the Adolescent Context- Invited Lecture at the Columbia University Center for Applied Public Health and Division of Substance Abuse of the New York State Psychiatric Institute Tobacco Seminar Series, NY, NY 2/12/04

Johns Hopkins Bayview Hospital Lecture Series: Update on Smoking Cessation (multidisciplinary practitioner audience) 11/05/03

Senate Committee on Health, Education, Labor and Pensions (HELP)-Senator Gregg, Chairman: briefed on science of tobacco and nicotine addiction with emphasis on youth/ medical aspects/ various components of addiction and need for diversity of treatment approaches: Dirksen Senate Building, Washington DC 7/2003

NIDA, IRP: Clinical Rounds: Hooked on Tobacco: The Adolescent Context 04/03/03

Plenary Session Discussant: Biological Factors Influencing Tobacco Use and Risk National conference on Tobacco and Health Disparities: Forging a National Research Agenda” Tampa, FLA.12/12/02

Hooked on tobacco and Coming to Treatment: African American Teenage Smokers NIDA, IRP, Community Outreach and Recruitment Program 10/28/02

Maryland State Youth Best Practices, Annual Meeting of Smoke Free Maryland Annapolis, MD 10/24/02

Morgan State University Faculty and Graduate Drug Abuse Research Program (DARP): Community aspects and the future of Adolescent Cessation Research 9/2002

Session Co-Chair: “NICOTEEN” 64th Annual meeting of the CPDD Quebec City, Quebec 6/2002

Workshop for Young Investigators entitled "Career Development Questions and Answers" SRNT Education and Training Committee 7th Annual meeting of the SRNT

Savannah, GA. 2/2002

Session Chair: Update on Tobacco Research in Adolescents.
7th Annual meeting of the SRNT Savannah, GA. 2/2002

Assessing Tobacco Dependence among Adolescent Smokers: Concordance among the
FTND, DSM-III-R, and DSM-IV
7th Annual meeting of the SRNT Savannah, GA. 2/2002

Recruitment of African American Teen Smokers: Issues to consider;
7th Annual meeting of the SRNT Savannah, GA. 2/2002

Teenagers and Tobacco: A good time to treat Johns Hopkins School of Public Health
/Adolescent Substance Abuse Research Group/Humphrey Fellows Baltimore November
2001

Adolescents Fumeurs: Caractéristiques Cliniques et Implications Thérapeutiques
16e journée de Tabacologie, Paris, France 10/2001

Ethnocultural issues and opportunities for treatment and research on tobacco use and its
consequences: a roundtable discussion. Bridging Science and Culture to Improve
Substance Abuse Research in Minority Communities Philadelphia, PA 09/25/2001

Session Chair: "Going up in smoke" 63rd Annual meeting of the CPDD Scottsdale, AZ
6/2001

The Teen Tobacco Addiction Treatment Research Clinic: Rationale, Progress to date,
Areas for Mental Health Research Presentation to NIMH, Bethesda, MD 06/08/2001

NIH Intramural Teen Tobacco Research: Site Visit and Progress to date, Presentation to
NCI Branch on Tobacco Control, Baltimore, MD 05/16/2001

Teens and Tobacco: An Approach to Treatment. Lonnie Mitchell Conference on
Substance Abuse, 4/2001.

Tobacco Cessation Among Adolescents: An Update. Johns Hopkins School of Hygiene,
Institute for Tobacco Studies: Health Providers of a Statewide coalition to address teen
tobacco cessation, 12/2000.

Teen African American Tobacco Smokers requesting Treatment /Increasing the pool of
minority researchers. NIDA/CSAT National Treatment Research Meeting, 08/2000.

Research with Teen Smokers: the Bumpy Road of Ethical Issues. Symposium on
Adolescent Issues. 6th Annual Meeting of the Society for Research on Nicotine and
Tobacco (SRNT), 2/2000, Arlington, VA.

The Fagerström Test of Nicotine Dependence and the Diagnostic Interview Schedule. Do they diagnose the same smokers? NIDA, IRP weekly Seminar Series, 4/2000 (Multidisciplinary scientist audience).

African American teen smokers who request treatment. A cry for help! Lonnie Mitchell HBCU Substance Abuse Conference, 4/2000, Baltimore, MD (Multidisciplinary audience).

Adolescents and Tobacco. Treatment Implications. Grand Rounds at St. Agnes Healthcare System and Hospital, 1/21/2000, Baltimore, MD (Physician audience).

Therapeutic Exposure Reduction for Adolescent Smokers. Considering the issues for the Treatment Outcome Meeting Jointly sponsored by SRNT, NCI, NIDA, FDA, Robert Wood Johnson, Washington, DC. November 1999

Elimination kinetics of cocaine in chronic high-dose users. NIDA, IRP Clinical Grand Rounds, October 1999 (physicians and researchers).

Adolescents and Tobacco: An agenda for exposure reduction. NIDA, NCI, Annual JHMC joint training Conference for grantees, Johns Hopkins School of Public Health, October 1999, Baltimore, MD.

Mechanismes Neuropsychobiologiques des Toxicomanies. Generalistes en Toxicomanies. March 1999 Lille, France (in French).

Enhancing Methadone Treatment with Effective HIV Prevention. First International Conference on Heroin Addiction. Sept.97, Lubiana, Slovenia.

Mednico's NO-NIC: Smoking Cessation Revisited.10/95, Prince Georges Society of Health Care Professionals (Physicians).

New Aspects of Drugs in the HIV Epidemic: NIH, NIDA, ARC, 8/95, Baltimore, MD (Pluridisciplinary).

University of Maryland Physician's Dinner CME Series, 2/95, Baltimore, MD (Physicians).

HIV and Substance Abuse: Effective Approaches for Clinicians". University of Maryland 6th Annual HIV Conference, 12/94, Baltimore , MD (Multidisciplinary).

Update on the Management of Substance Abuse for Practitioners. CME Course Fairfax Hospital, VA. 10/94 (Physicians).

Third Annual AETC Workshop, 9/94, San Juan, Puerto Rico. "Harm Reduction Seminar"(Multidisciplinary).

The Clustering of Adolescent Risk Factors: Some Answers for Healing. Annual National Physician Assistants' Conference, 5/94, San Antonio, TX.

The New Face of Pediatric HIV Infection. Institute of Northern Virginia Annual HIV Conference, 5/94 (Multidisciplinary).

Testimony to the Subcommittee for the Reauthorization of Ryan White, submitted to HRSA, Dec 15, 1993.

The Andromeda Clinic (Washington DC) Series. A practical approach to the HIV epidemic for providers treating members of the Latino Communities in the inner city: a six-week modular interactive course with emphasis on mental health and psychotherapeutic aspects. (11-12/93).

PRESENTATIONS CONT'D:

"Health Care Priorities for Children and Adolescents" and "Prevention of High Risk Behavior for African Americans Youth". National Leadership Forum for the Black Child, Baltimore, Maryland, October 1993.

"Prevention of HIV Infection, the Strategies". Commission of Mental Health, Baltimore, Maryland, October 1993.

"Update on HIV and Substance Misuse". Pediatrics Grand Rounds, Howard University, October 1993.

"Update on Substance Abuse in the Washington, DC Area". School of Social Work, Howard University, September 1993.

"Effective Strategies for the Treatment of Substance Abusers who are HIV Infected". National Conference for Ryan White Grantees, September 1993.

"Overview of HIV: HIV in Women and Children". Mary Project (Latino Community) (Ob/Gyn, Pediatrics, Midwives and Nurses), August 1993.

"HIV and Substance Abuse". Howard University Family Practice and Department of Internal Medicine Grand Rounds (Physicians), July 1993.

"Clinical Aspects of HIV and Substance Abuse in the Washington D.C. Area in 1993". Howard University College of Medicine, CME Intensive Review Course, June 93 (physicians).

"National Physician Assistant Conference: Effective Strategies for Ethnocultural Minority Populations' entry into Care". June 1993, Miami, Fla.

(1) "Pediatric HIV Infection"; (2) Complementary Therapies for HIV Infection. George Mason University (multidisciplinary), May 1993.

"Update on the link between chemical dependence and HIV: Focus on Immunological Aspects". March 1993.

"Substance Misuse in Women: Aspects to Consider in Risk Reduction". Commission on Social Services, December 1992.

"Medical Complications of Substance Abuse". Health Care for the Homeless, November 1992.

"Risk Factors and Clinical Aspects of HIV Infection in the Adolescent". November 1992.

"Overview of HIV Infection in the Adult Patient: Focus on Women". Commission on Mental Health (Multidisciplinary), November 1992.

"Psychosocial Aspects of HIV Infections". D.C. Department of Corrections (Physicians at the Correctional Treatment Facility), November 1992

"Pediatric HIV Infection". Koba Center of Drug Treatment and Research (Multidisciplinary), November 1992.

"Substance Abuse in Psychiatric Patients". Community Mental Health Center (Multidisciplinary), October 1992.

"Treatment Approaches to Substance Abuse in Women of Childbearing Age". Obstetrics and Gynecology Grand Rounds (Physicians), October 1992.

"Management of Chronic Conditions Linked to Substance Abuse and HIV Infection". Health Care for the Homeless (Multidisciplinary), September 1992.

"Overview of HIV Disease". Visiting Nurses Association, September 1992.

"Psychosocial Aspects of the Various Stages of HIV Disease". Psychiatry Grand Rounds, Howard University Hospital, September 1992.

"Substance Abuse in Pediatrics". Pediatric Grand Rounds (Physicians), Howard University Hospital, September 1992.

"Substance Abuse and HIV". HRSA/BHCDA (D.H.H.S.), Nationwide Workshop (Multidisciplinary) August 1992.

"Pretest and Posttest Counseling in the Mentally Impaired Individual". Commission on

Mental Health (multidisciplinary), June 1992.

"Socioeconomic and Cultural Factors Influencing the Transmission of HIV".
Neighborhood Clinics (Physicians), May 1992.

"Chemical Dependency". Annual DC AETC Symposium (Physicians, Nurses, Dentists,
PA's), March 1992.

MEMBERSHIPS

Hospital Clinical Privileges: Johns Hopkins Bayview Medical Center

Professional Societies

American Public Health Association 09/2005

College of Problems on Drug Dependence 11/2000

American Society for Addiction Medicine (ASAM) 4/2000

Society for Research on Nicotine and Tobacco (SRNT) 9/1995; and Special Populations
Committee (SPC) 2/2000

AAP Section on International Child Health (10/1997)

Fellow of the American Academy of Pediatrics (AAP) (8/1989)

National and International Workgroups

NIDA-hosted Welcome Panel for Russian Delegation to address tobacco control
(Surgeon General present for main address) February 2008

Science & Future Directions for Nicotine Regulation Meeting: Studies and
Models for Examining Cigarettes with Low Nicotine Levels 11/2007

Light and Intermittent smokers (NCI/American Legacy Foundation) 8/2006

Tobacco Health Disparities Research Network (NCI-Pennsylvania State)
Senior Leader of Treatment Component 02/04-06/05

Trans NIH Tobacco and Nicotine Research Interest Group (TANRIG) 09/03-
to increase collaboration, coordination and communication of tobacco-
and nicotine-related research across NIH Institutes and Centers and with
other DHHS agencies.

American Academy of Pediatrics/Center for Child Health Research Tobacco
Consortium: 01/2001-

National Cancer Institute/National Institute on Drug Abuse Nicotine Working Group 11/2000-

Data Safety and Monitoring Board (DSMB) of the NIDA, Clinical Trials Network: Reviewed pharmacotherapy and behavioral clinical trials grant research protocols for safety and efficacy. Made recommendations to Lead investigator, IRB and NIDA 10/2000- 10/2002

Tobacco Control: National Medical Association Working Group 9/2000

Methodology and Outcome Measures for Tobacco Use Cessation Working Group: Subcommittee on Reduction of Tobacco Exposure, Subcommittee on Adolescent Outcome Measures, 9/1999-2/2000.

Transdisciplinary Approach to Youth Tobacco Use. Prevention Youth Tobacco Prevention Initiative Workgroup (Robert Wood Johnson Foundation and National Cancer Institute), 9/98.

Institutional Review Board, NIH, NIDA Pediatric Representative Pharmacy and Therapeutics Committee, NIDA Intramural Research Program 10/97-7/2000.

Lead Medical Advisor/ Clinical Expert for the Ryan White CARE Act Title 1 AIDS Grant Review Process, 2/95.

Advisor to Ryan White CARE Act Title 1: Strategies for Underserved African Americans: Methods, Analysis, and Interpretations of Four Cities HRSA, 9/95.

Committee for the use of Standardized Patients, Howard University College of Medicine, 10/94.

External grant reviewer for the DHHS/PHS/HRSA Division of HIV Services Title I Ryan White CARE Act, 2/94.

Howard University Hospital Medical Staff, 1992-1996.

Partnership for Family Preservation Advisory Committee: Residential Substance Abuse Treatment for pregnant/postpartum women and their children, 6/94.

D.C. Pediatric and Families HIV/AIDS Advisory Committee, Commission of Public Health, Office of Maternal and Child Health, 4/93.

HONORS

Special Performance Award for innovation and productivity NIDA, IRP 1/08

Nominated for Physician Ambassador for the United States (Pediatric Medicine Delegation) by the National Physician Ambassador Program 12/04

Special Performance Award for conducting relevant treatment research, NIDA Director 3/04

Special Act Award for addressing health disparities in research, NIDA, IRP: 3/2003

NIH Director's Award of Merit, Bethesda, MD 06/19/02 for leadership, creativity and innovativeness beyond the call of duty: 07/02

Special Service Award: for NIH-wide exemplary progress and outstanding work ethic. IRP: 4/2002

Special Service Award: for skillfully providing special mentoring services to a physician in the clinical Pharmacology and Therapeutics Research Branch at the NIDA, IRP 12/2001.

NIDA Director's Award: recognized for innovation and leadership in adolescent research, which created an opportunity for NIDA to focus clinical treatment research on an underserved population. 10/99

NIDA, IRP Award for Superior Performance 2/98

American Medical Association (AMA) Physician's Recognition Award for Continuing Medical Education 7/96

First Annual Award, African Holistic Health Association (Washington D.C, 12/94)

First Prize Award, 1993 National Leadership Forum on the Black Child-A New Era; American Institute for Urban Psychological Studies (Baltimore, 10/93)

Bureau of Drug Treatment Services Tubman-Holiday Appreciation Award for Committed Services, DHS, CPH, ADASA. (Washington D.C. 3/91)

PROFESSIONAL EXPERIENCE:

Clinical Investigator, NIH, NIDA, IRP 03/2002-present

Principal Investigator

- Combined Contingency Management and Motivational Interviewing for the Treatment of Nicotine Dependence among Adolescent Smokers (#428)

- Neurocognitive and affective correlates of tobacco dependence in adolescent smokers & efficacy and safety of bupropion for treatment of adolescent smoking (#382) (accruing)

- Characteristics of Adolescents who request treatment for Tobacco Dependence (#341A/B) (accruing)

- Effects of Smoking Cues on Tobacco Craving Responses and the Reinforcing Efficacy of Cigarettes in Adolescent Smokers (#435)

- Knowledge and Perception of Smoking Risks/Consequences, Smoking Habits and Motivators for Smoking Cessation among People with Schizophrenia(# 425)
Adjunct PI in collaboration with Deanna Kelley, Ph.D (MPRC, University of Maryland):
- Retrospective Study of Tobacco Dependence among Polysubstance Abusers
- Safety, tolerability and Efficacy of the nicotine patch and gum for the treatment of tobacco-dependent adolescents (IND approved # 56,957) (completed)(#322) Phase III pilot trial
- Elimination pharmacokinetics of cocaine and metabolites in chronic cocaine users (completed)(#324)

Associate Investigator

- Comparison of Varenicline and Placebo for Smoking Cessation in Schizophrenia (#427)
- Cognitive and Affective Changes with Associated Brain Activation Differences in Adolescent Smokers as Measured by fMRI (#387)
- Effects of Smoking on Opioid Receptor Binding Using [¹¹C]Carfentanil: an Imaging PET Study
- Physiological, cognitive and cerebral activity changes as function of cigarette smoking - Comparison of Active Imagery versus In Vivo Cues in Eliciting Tobacco Craving Responses (#395) (completed)
- Effect of-Nicotine on Mood and Cognition in Smokers (#370) completed
- Genetic influences on human tobacco withdrawal” (#360)- completed
- Combined Behavioral and Pharmacological Treatment of Polydrug Abuse (#326)
- Antagonism of delta 9 THC by SR 141716 in healthy male subjects with histories of moderate cannabis use. Phase I (#308) (completed)
- Pharmacodynamic and pharmacokinetic effects of Bidis cigarettes (#339) (completed)
- Sensory and physiologic effects of new research cigarettes (# 332) (completed)
- Mechanisms of drug disposition in hair (and other biological matrices) (#268) (completed)
- Elimination pharmacokinetics of cannabinoids in urine (# 320) (completed)
- Denicotinized cigarettes in a spaced-smoking procedure (# 319) (completed)
- Clove and Eclipse cigarettes and smoking topography (#362) (completed) (#357)

Extramural

- Risk taking and HIV/smoking risk Carl Lejuez-U Maryland
- Pilot Study of Smoking and Melanin among African Americans- Gary King Penn State Proposed - Nicotine vaccine Paul Pentel Univ. Minnesota

Staff Physician, NIH, NIDA, IRP 08/2001-03/2002

Director, Teen Tobacco Addiction Treatment Research Clinic, NIH, NIDA, IRP (6/99-present) Conceptualized and founded the first NIH intramural (and adolescent) tobacco cessation program

Clinical Fellow, NIH, NIDA, IRP, 10/98-09/2001: Clinical Pharmacology Branch, Section on Chemistry and Drug Metabolism

Started current focus of research Interests: Primary- treatment of adolescent tobacco use and dependence Secondary- treatment monitoring (including pharmacokinetics) of opioid and cocaine abuse. Relationships between substance abuse and HIV.

Research Fellow 09/97-10/98

Attending Physician, (9/98-present) Clinical Research Unit, NIDA, IRP: 14-bed inpatient

NIDA IRP Medical Policy Review Committee (8/2002-present)

Subcommittee Chair for Medical Screening, Staff Participation, Consent to Research participation (1/2003-present)

Data and Safety Monitoring Board (DSMB) of the NIDA, Clinical Trials Network: Monitoring all extramural intervention studies to ensure safety of participants and validity and integrity of the data.(October 2000 to August 2002)

Institutional Review Board (NIDA) and the Pharmacy and Therapeutics Committee 10/1997-6/2000.

Deputy Clinical Director 10/98- 06/2002 in the absence of the Clinical Director oversaw all medical/administrative aspects of research protocols and clinical functioning at the Intramural Research program (approximately 27 clinical protocols, 10 physicians, 13 principal investigators).

Visiting Associate Professor of Health, Behavior and Society, Johns Hopkins Bloomberg School of Public Health (9/2005- present)
Precept doctoral and masters level students

Visiting Assistant Professor of Pediatrics, Division of Adolescent Medicine and General Pediatrics, Johns Hopkins University School of Medicine (9/2000): developed a preceptorship for training in adolescent smoking cessation for medical students (9/2000-present)

Liaison for NIDA's participation in the 2007 revision of the Clinical Practice Guideline on Treating Tobacco Use and Dependence chaired by Michael Fiore (University of Wisconsin) lead agency: AHRQ

Other related activities:

Provide regular free consultation related to substance abuse and youth regulatory issues, tobacco control and smoking-related policies, school policies, and referral and management of various tobacco-related clinical conditions.

Regularly conduct Mentorship Activities for junior investigators at various institutions, post doctoral fellows, students from local universities and colleges, including Fogarty International Center awardees.

Prior Positions

9/95-8/97- President and Medical Director, Mednico (The NO-NIC System): a phased, biopsychosocial approach to the treatment of nicotine dependence. Designed model, established clinical protocols and trained staff; implemented initial service delivery, Presented model to managed care organizations.

4/97-8/97- Medical Consultant, Danya International: co-generated a substance abuse screen for primary care physicians and co-produced 3 videos to illustrate the Phases-of Treatment Model of Methadone Treatment developed in 1993

6/95-9/95 Summer Fellow/Guest Scientist, NIH, NIDA, Division of Intramural Research, Clinical Pharmacology Branch: wrote protocols to address HIV and Substance Abuse; collaborated with the Nicotine research team

Assistant Professor of Medicine, Howard University of College of Medicine (7/1993)

Principal Investigator, District of Columbia AIDS Education and Training Center, HRSA award DHHS # 5-D35-PE00109-2, Howard University # 1-91G-2 (7/1993-11/94)) with Resource Units at Children's National Medical Center, George Washington and Georgetown Universities: oversight of all aspects of this Education/Research grant. Included oversight of administration, didactic and clinical curricula development based on self-generated objectives to address the HIV/AIDS epidemic for 8 disciplines of health care professional training. Lecturing, skills-building and clinical "hands on" training for various settings.

Assistant Professor of Pediatrics and Child Health, Howard University College of Medicine (7/1992).

Attending Physician, Comprehensive Care Clinic, providing medical and case management services to children and families affected by HIV, Howard University Hospital. (7/92-6/95).

Attending Physician, General Pediatric Clinic, Howard University Hospital (7/92-6/95).

Medical Consultant, Project Aquarius, Koba Center for Health Promotion and Preventive Intervention: A mobile unit Community Outreach Project for STD, HIV and Tuberculosis screening and referral. (8/93-6/95).

Pediatric Consultant, D.C. HIV/AIDS Care Consortium (9/92-6/95).

Principal Investigator: Pilot Clinical Trial of Cranio-Electrical Stimulation Therapy for detoxification from Methadone.

Medical Director, Project CARE (Cocaine Abuse Recovery Enhancement), Koba Associates, Inc., Washington, DC. Primary care (6/91-7/92).

Medical Director, Diagnostic, Referral, and Data Management Unit, Koba Associates,

Inc., Washington, D.C. oversight and consultation for the dual- diagnostic assessment process (NIDA funded project); reviewed all medical protocols (4/91- 9/93).

Medical Director, Project SECTOR (Strategies to Enhance Cocaine Treatment and Outpatient Recovery) Research Study, Koba Institute, Inc., Washington, DC. designed pharmacologic and behavioral protocols for cocaine treatment (1/90-12/92).

Medical Director, ADAPT Multi-modality Outpatient Drug Treatment Clinic, Koba Associates, Inc., Washington, DC. supervised all medical aspects, methadone compliance with standard medical practices established by FDA, and DEA (89-5/92).

Staff Physician, Hospital for Sick Children. Long-term comprehensive, rehabilitative, acute and transitional care for the handicapped, assuming supervisory responsibility for an 80-bed facility (8/88-9/92).

PREVIOUS RELATED EXPERIENCE:

Clinical and Education Coordinator, District of Columbia AIDS Education and Training Center, Howard University.

Chairman of ADASA's Committee for a Substance Abuse Clinical Rotation, nationwide pilot program; Member of ADASA's Medical Quality Assurance Committee and the Subcommittee on Cocaine (5/90-6/91).

President, Medical Director, DAYSYS, Inc: designed a model for quality day-care services with a medical component.(ie. care for the disabled and sick in compliance with local legislation), and development of policies and procedures pertaining to operations and training (7/88-4/89).

Medical Consultant, Alsatian School of Yoga, Strasbourg, France: lectured to yoga teachers on medically-related material, participated in promoting preventive health through dietary, hygienic, and holistic approaches, and demonstrated relaxation/meditation methods for stress reduction (9/83-9/84).