

CURRICULUM VITAE

April 20, 2015

Craig R. Rush
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PERSONAL

Address: 6001 Secretariat Circle, Versailles, KY 40383
Date of Birth: January 22, 1960
Place of Birth: Malone, New York
Marital Status: Married, 1 daughter, 1 son

EDUCATION AND TRAINING

1992 - 1994 Post-Doctoral Research Fellowship in Behavioral Pharmacology of Drug Abuse. Behavioral Pharmacology Research Unit, Psychiatry Department. Johns Hopkins University School of Medicine, Baltimore, MD.

1988 – 1992 Graduate Research Fellowship in Behavioral Pharmacology of Drug Abuse. Human Behavioral Pharmacology Laboratory, Department of Psychiatry, College of Medicine, University of Vermont, Burlington, VT.

1988 - 1992 Department of Psychology, University of Vermont, Burlington, VT.
Major: General/Experimental Psychology
Degree: Ph.D.

1983 - 1985 Department of Psychology, Bowling Green State Univ., Bowling Green, OH.
Major: Experimental Psychology/Psychobiology
Degree: M.A.

1980 - 1983 State University of New York (SUNY) at Potsdam, Potsdam, NY.
Major: Psychology
Degree: B.A.

1978 - 1979 Mohawk Valley Community College, Utica, NY.
Major: Nursing

PROFESSIONAL APPOINTMENTS

- 1) Graduate Research Assistant, Bowling Green State University, Bowling Green, OH (September, 1983 - May, 1984).
- 2) Graduate Teaching Assistant, Bowling Green State University, Bowling Green, OH (September, 1984 - May, 1985).
- 3) Instructor of Psychology, Mater Dei College, Ogdensburg, NY (July, 1985 - June, 1988).
- 4) Instructor of Alcohol and Chemical Dependency Studies, Mater Dei College, Ogdensburg, NY (January, 1986 - June, 1988).
- 5) Instructor of Psychology, Empire State College, Watertown, NY (February, 1986 - June, 1986).
- 6) Graduate Research Assistant, University of Vermont, Burlington, VT (August, 1988 - January, 1990).
- 7) Post-Doctoral Fellow, Behavioral Pharmacology Research Unit, Division of Behavioral Biology, Johns Hopkins School of Medicine, Baltimore, MD (July, 1992 - May, 1994).
- 8) Assistant Professor, Department of Psychiatry and Human Behavior, University of Mississippi Medical Center, University of Mississippi, Jackson, MS (June, 1994 - June, 1998).
- 9) Assistant Professor, Department of Pharmacology and Toxicology, University of Mississippi Medical Center, University of Mississippi, Jackson, MS (October, 1994 - June, 1999).
- 11) Associate Professor, Department of Psychiatry and Human Behavior, University of Mississippi Medical Center, University of Mississippi, Jackson, MS (July, 1998 - June, 1999).
- 12) Associate Professor, Department of Behavioral Science, University of Kentucky, College of Medicine, Lexington, KY (July, 1999 - June, 2003). Tenure granted July 1, 2001.
- 13) Associate Professor, Department of Psychiatry, University of Kentucky, College of Medicine, University of Kentucky, Lexington, KY (July, 1999 - June, 2003).
- 14) Associate Professor, Department of Psychology, University of Kentucky, College of Arts and Science, Lexington, KY (July, 1999 - June, 2003).
- 15) Associate, Multidisciplinary Research Center on Drug and Alcohol Abuse, University of Kentucky, Lexington, KY (July, 2000 - Present).
- 16) Professor, Department of Behavioral Science, University of Kentucky, College of Medicine, Lexington, KY (July, 2003 - Present, Tenured).
- 17) Professor, Department of Psychiatry, University of Kentucky, College of Medicine, Lexington, KY (July, 2003 - Present).
- 18) Professor, Department of Psychology, University of Kentucky, College of Arts and Science, Lexington, KY (July, 2003 - Present).

ADMINISTRATIVE POSITIONS

- 1) Associate Vice President of Research, University of Kentucky, Lexington, KY (May, 2012 – December 2014).
- 2) Director of Graduate Studies, Department of Behavioral Science, University of Kentucky, College of Medicine, Lexington, KY (July, 2011 – June, 2012).
- 3) Director, Laboratory of Human Behavioral Pharmacology, Department of Behavioral Science, University of Kentucky, College of Medicine, Lexington, KY (July, 1999 – Present).
- 4) Chief, Laboratory of Human Behavioral Pharmacology, Department of Psychiatry and Human Behavior, The University of Mississippi Medical Center, University of Mississippi, Jackson, MS (March, 1995 – June, 1999).

TRAINING FELLOWSHIPS

- 1) National Institute on Drug Abuse, Pre-Doctoral Fellowship, sponsored through the Department of Psychiatry, Human Behavioral Pharmacology Laboratory, University of Vermont, School of Medicine, Burlington, VT (January, 1990 - July, 1992).
- 2) National Institute on Drug Abuse, Post-Doctoral Fellowship, sponsored through the Department of Psychiatry, Behavioral Pharmacology Research Unit, Division of Behavioral Biology, Johns Hopkins School of Medicine, Baltimore, MD (July, 1992 - May, 1992).

COMPETITIVE AWARDS

Active

- 1) Principal Investigator. A Feasibility Trial for Inhibitory-Control Training to Reduce Cocaine Use (R34 DA038869). National Institute on Drug Abuse (03/15/15 - 01/31/18) (\$675,000, total costs).
- 2) Principal Investigator. Topiramate-Phentermine Combinations as a Pharmacotherapy for Cocaine Dependence (R01 DA036827). National Institute on Drug Abuse (09/15/14 - 06/30/17) (\$1,903,103 total costs).
- 3) Principal Investigator. Targeting GABA and Opioid Systems for a Pharmacotherapy for Methamphetamine Abuse (R01 DA033394). National Institute on Drug Abuse (09/15/13 – 08/31/16) (\$1,932,910 total costs).
- 4) Principal Investigator/Director, Research Training in Drug Abuse Behavior (5T32 DA035200). National Institute on Drug Abuse (07/01/13 – 06/30/18) (\$1,588,977, total costs).
- 5) Principal Investigator. A Novel Anti-Obesity Drug Combination as a Pharmacotherapy for Cocaine Dependence (R01 DA032254). National Institute on Drug Abuse (09/15/12 – 06/30/15) (\$1,867,056 total costs).
- 6) Principal Investigator. Buspirone as a Candidate Medication for Methamphetamine Abuse (R21 DA035481). National Institute on Drug Abuse (04/15/13 - 03/31/15) (\$372,592 total costs).
- 7) Principal Investigator. Agonist Replacement Therapy for Methamphetamine Dependence: Human Lab Studies (R01 DA025032). National Institute on Drug Abuse (01/01/09 – 12/31/14) (\$1,831,250 total costs).

- 8) Co-Investigator (MT Fillmore, Principal Investigator). Alcohol Tolerance and Behavioral Disinhibition in Humans (R01 AA01827), National Institute on Alcohol and Alcoholism (09/20/09 - 08/31/14) (\$1,618,682 total costs).
- 9) Co-Investigator (Subcontract)(ST Higgins, University of Vermont Principal Investigator). Vermont Center on Behavior and Health (P20 GM103644). National Institute on Drug Abuse (09/15/13 - 08/31/18) (Subcontract: \$221,242 total costs).
- 10) Co-Investigator (T Kelly, Principal Investigator). Drugs of Abuse and Risk-Taking Behavior in Humans (P50 DA005312). National Institute on Drug Abuse (\$1,520,915 total costs).
- 11) Co-Investigator (JA Lile, Principal Investigator). Medications Development for Cocaine: A Translational Approach in Monkey and Human (R01 DA033364), National Institute on Drug Abuse (09/01/12 - 8/31/16) (\$2,219,555 total costs).
- 12) Co-Investigator (WW Stoops, Principal Investigator). A Human Laboratory Study to Investigate Bupirone for Cocaine Use Disorders (R21 DA034095), National Institute on Drug Abuse (07/01/12 - 06/30/14) (\$407,000 total costs).
- 13) Co-Investigator (WW Stoops, Principal Investigator). Selective Monoamine Release as a Target for Cocaine Dependence (R01 DA036553), National Institute on Drug Abuse (09/01/14 - 08/31/17) (\$1,802,290 total costs).
- 14) Co-Investigator (WW Stoops, Principal Investigator). Restoring Glutamate Homeostasis to Reduce Cocaine Relapse. National Institute on Drug Abuse (R01 DA033340) (06/01/14 - 05/31/16) (\$1,673,196 total costs).
- 15) Co-Investigator (Training Core, L Dvoskin Core Director; Principal Investigator, MT Bardo Center Principal Investigator). CDART – Center for Drug Abuse Research Translation (P50 DA005312), National Institute on Drug Abuse (09/01/97 – 06/30/17) (\$7,061,351).
- 16) Training Faculty (K Nixon, MA Prendergast, MPI). Basic and Applied Summer Training in Alcohol Research. (R25 AA022823), National Institute on Alcohol Abuse and Alcoholism (01/01/2014 – 12/31/2019) (\$392,323 total costs).

Pending

- 1) Principal Investigator. Monoamine Uptake Inhibition for Cocaine Dependence: A Novel Drug Combination (R01 DAXXXXXX). National Institute on Drug Abuse (01/01/16 - 12/31/19) (\$1,811,006, total costs). Score = Unknown (Percentile = Unknown).
- 2) Principal Investigator. Phentermine as a Pharmacotherapeutic for Cocaine-Use Disorders (R01 DA039633). National Institute on Drug Abuse (03/01/15 – 02/28/18) (\$1,983,733 total costs). Score = 38 (Percentile = 38).
- 3) Co-Investigator (WW Stoops, Principal Investigator). Motivation for Cocaine and Non-Drug Reinforcers: Targeting Glutamate Homeostasis (R21 DA035376), National Institute on Drug Abuse (04/01/13 - 03/31/15) (\$377,800 total costs). Score = 62 (Percentile = Not Used).
- 4) Co-Investigator (WW Stoops, Principal Investigator). Health, Biological, Psychological and Social Impacts of Reduced Cocaine Use (R01 DA035590), National Institute on Drug Abuse (04/01/13 - 05/31/16) (\$1,785,817 total costs). Score = Not Yet Available (Percentile = Not Used).

- 5) Co-Investigator (WW Stoops, Principal Investigator). Lab Study of Buspirone to Reduce HIV-Related Impulsive Behavior in Cocaine Users (R01DA037757). National Institute on Drug Abuse (07/01/14 – 06/30/18 (\$2,332,329 Total Costs).
- 6) Sponsor (E Pike, Principal Investigator). Relationship Between Inhibitory Control and Attentional Bias in Cocaine Dependence (1F31DA040374). National Institute on Drug Abuse (07/01/15 – 06/30/17) (Total costs=\$50,650).

Prior

- 1) Principal Investigator. Sedative-Stimulant Combinations: Effects on Human Learning (1 F31 DA05382 SRC [18]). Pre-Doctoral Award, National Institute on Drug Abuse (01/90 – 12/92).
- 2) Principal Investigator. Effects of Isradipine, A Dihydropyridine Calcium Channel Blocker, On the Reinforcing and Subjective Effects of Ethanol in Humans. Alcoholic Beverage Medical Research Foundation (06/01/96 - 05/31/98).
- 3) Co-Investigator (RW Baker, Principal Investigator). Alcohol and Suicidality. American Suicide Foundation (01/01/99 – 12/31/99) (\$10,000 total costs).
- 4) Principal Investigator. Abuse Liability of Commonly Prescribed Hypnotics. First Independent Research and Transition Award (R29 DA09841), National Institute on Drug Abuse (07/15/95 - 07/14/01) (\$501,930, total costs).
- 5) Principal Investigator. Acute behavioral effects and abuse potential of a single dose of R174710 in female drug abusers. Janssen Pharmaceutica, Titusville, NJ (02/01/01 – 12/31/01) (\$41,600 total costs).
- 6) Co-Investigator (A Makris, Principal Investigator). The Effects of Modafinil on Food Intake in Humans (R03 DA13484). National Institute on Drug Abuse (08/15/00 - 08/15/02)(\$72,750 total costs).
- 7) Principal Investigator. Human Cocaine Discrimination: Pharmacological Specificity (R01 DA10325). National Institute on Drug Abuse (03/01/97 - 02/28/03) (\$1,248,617, total costs)
- 8) Co-Investigator (A Perry, Principal Investigator). Amphetamine Effects on Brain Activity and Cognition: An fMRI Study. Petit Grant, Center for Drug and Alcohol Research, University of Kentucky (\$2,788 total costs).
- 9) Co-Investigator (JA Lile, Principal Investigator). Assessment of the Reinforcing Effects of Nicotinized Water in Humans. Petit Grant, Center for Drug and Alcohol Research, University of Kentucky (\$2,000 total costs) (07/01/04 – 6/30/05).
- 10) Principal Investigator. GABA Agonists as Pharmacotherapies for Cocaine Abuse (R01 DA013567). National Institute on Drug Abuse (08/01/01 – 5/31/05) (\$977,400 total costs).
- 11) Principal Investigator. Assessing Abuse Potential in Humans: CNS Stimulants (R01 DA012665). National Institute on Drug Abuse (02/01/01 – 1/31/06) (\$1,158,567 total costs).
- 12) Co-Investigator (MT Fillmore, Principal Investigator). Cognitive Mechanisms of Alcohol Abuse (R01 AA012895). National Institute on Alcohol and Alcoholism (09/01/01 - 08/31/05) (\$543,000 total costs).

- 13) Co-Investigator (JA Lile, Principal Investigator). The Effects of *d*-Amphetamine Following an Experimentally-Imposed History of Alcohol Use. Petit Grant, Center for Drug and Alcohol Research, University of Kentucky (\$2,000 total costs) (07/01/05 – 6/30/06).
- 14) Co-Investigator (MT Fillmore, Principal Investigator). Cognitive Mechanisms in Cocaine and Polydrug Abuse (RO1 DA 014079). National Institute on Drug Abuse (01/01/01 - 12/31/06) (\$1,450,000 total costs).
- 15) Principal Investigator, Human Cocaine Discrimination (R01 DA010325). National Institute on Drug Abuse (08/01/03 – 6/30/08) (\$881,400 total costs).
- 16) Co-Investigator (MT Fillmore, Principal Investigator). Neurocognitive Consequences of Adolescent Drug Use (R21 DA021027). National Institute on Drug Abuse (09/25/05 – 8/31/08) (\$1,003,176 total costs).
- 17) Principal Investigator. Preventing Cocaine Relapse: Developing Pharmacotherapies (R01 DA020429). National Institute on Drug Abuse (09/27/05 – 7/31/10) (\$1,465,000 total costs).
- 18) Principal Investigator. Stimulant Abuse Pharmacotherapy: Novel Antipsychotics (R01 DA017711), National Institute on Drug Abuse (08/01/05 - 04/30/11) (\$1,317,976, total costs).
- 19) Principal Investigator. Agonist Replacement Therapy for Cocaine Dependence: Identifying Novel Medications (R01 DA021155). National Institute on Drug Abuse (06/01/06 - 09/30/11) (\$1,464,959 total costs).
- 20) Co-Investigator (MT Fillmore, Principal Investigator). Mechanisms of Alcohol Tolerance and Priming in Humans (R01 AA 012895). National Institute on Alcohol and Alcoholism (09/01/05 - 08/31/10) (\$801,900 total costs).
- 21) Co-Investigator (WW Stoops, Principal Investigator). Human Lab Model of Behavioral/Pharmacological Treatment for Cocaine Dependence. National Institute on Drug Abuse (R21 DA024089) (12/01/07 – 09/30/11) (\$365,000 total costs).
- 22) Co-Investigator (SL Walsh, Principal Investigator). Evaluation of Atomoxetine for Cocaine Dependence: A Pilot Trial (R01 DA022191), National Institute on Drug Abuse (09/26/06 – 07/31/11) (\$1,098,750, total costs).
- 23) Co-Principal Investigator (W. Stoops, Principal Investigator). Neuropharmacology of Tramadol: Clinical Efficacy and Abuse Potential (R01 DA025649). National Institute on Drug Abuse (08/01/09 - 07/31/12) (\$2,101,720 total Costs).
- 24) Principal Investigator/Director (07/01/10 – 06/30/13), Research Training in Drug Abuse Behavior (5T32 DA007304). National Institute on Drug Abuse (07/01/98 – 06/30/13) (\$1,398,919, total costs).
- 25) Principal Investigator. GABA_A Modulation as a Target for Developing Medications for Methamphetamine Abuse (R01 DA025591). National Institute on Drug Abuse (09/15/08 – 02/28/13) (\$1,428,375 total costs).

CONSULTING

- 1) Consultant. A Phase I, Double-Blind, Placebo-Controlled, Randomized Crossover Study of the Effects of CL 284,846 (10 mg and 20 mg) and Zolpidem (10 mg and 20 mg) on Memory, Learning and Performance in Healthy Volunteers. Wyeth-Ayerst Research, Clinical Research and Development, Philadelphia, PA (July, 1994 - June, 1996).
- 2) Consultant. Zolpidem Technical Review. World Health Organization, Geneva, Switzerland (October, 1999 – February, 2000).
- 3) Consultant. Acute behavioral effects and abuse potential of a single dose of R174710 in female drug abusers. Janssen Pharmaceutica, Titusville, NJ (July, 2000 – February, 2001).
- 4) Consultant. Assessing the Abuse Liability of SAX-187 (WAY 181187) in Humans: Comparison with Alprazolam. Wyeth Research, Clinical Research and Development, Neuroscience Philadelphia, PA (November 1, 2003 – December, 2004).

PUBLICATIONS

Manuscripts (peer-reviewed journals)

- 1) Higgins ST, Bickel WK, Rush CR, Hughes JR, Pepper S, Lynn M (1989). Effects of ethanol on response-sequence acquisition and performance with response rate equated in the two conditions. Psychological Record, 39: 583-595. PMID: Unavailable.
- 2) Higgins ST, Rush CR, Bickel WK, Capeless MA, Hughes JR, Lynn M (1992). Effects of alcohol and cocaine, alone and in combination on human learning and performance. Journal of Experimental Analysis of Behavior, 58: 87-105. PMID: 1645103.
- 3) Rush CR, Higgins ST, Bickel WK, Hughes JR (1993). A comparison of the acute behavioral effects of triazolam and temazepam in normals. Psychopharmacology, 112: 407-414. PMID: 7871050.
- 4) Rush CR, Higgins ST, Bickel WK, Hughes JR (1993). Abuse liability of alprazolam relative to other commonly used benzodiazepines: A review. Neuroscience and Biobehavioral Reviews, 17: 277-285. PMID: 7903805.
- 5) Rush CR, Higgins ST, Bickel WK, Hughes JR (1993). Acute effects of triazolam and lorazepam on human learning, performance, and subject ratings. Journal of Pharmacology and Experimental Therapeutics, 264: 1218-1226. PMID: 8450459.
- 6) Higgins ST, Rush CR, Hughes JR, Bickel WK, Lynn M, Capeless MA (1993). Acute behavioral and cardiac effects of cocaine and alcohol combinations in humans. Psychopharmacology, 111: 285-294. PMID: 7870965.
- 7) Rush CR, Higgins ST, Bickel WK, Wiegner MS, Hughes JR (1993). Acute behavioral and cardiac effects of alcohol and caffeine, alone and in combination, in humans. Behavioural Pharmacology, 4: 562-572. PMID: 11224225.
- 8) Rush CR, Higgins ST, Hughes JR, Bickel WK (1994). Acute behavioral effects of triazolam, alone and in combination with caffeine, in humans. Experimental and Clinical Psychopharmacology, 2: 211-222. PMID: Unavailable.

- 9) Rush CR, Higgins ST, Hughes JR, Bickel WK (1994). Acute behavioral effects of lorazepam, alone and in combination with caffeine, in humans. Behavioural Pharmacology, 5: 245-254. PMID: 11224274.
- 10) Rush CR, Sullivan J, Griffiths RR (1995). Intravenous caffeine in stimulant drug abusers: Subjective reports and physiological effects. Journal of Pharmacology and Experimental Therapeutics, 273: 351-358. PMID: 7714788.
- 11) Rush CR, Critchfield TS, Troisi II JR, Griffiths RR (1995). Discriminative stimulus effects of diazepam and buspirone in normal volunteers. Journal of the Experimental Analysis of Behavior, 63: 277-294. PMID: 7751833.
- 12) Mumford GK, Rush CR, Griffiths RR (1995). Abecarnil and alprazolam in humans: Behavioral, subjective and reinforcing effects. Journal of Pharmacology and Experimental Therapeutics, 272: 570-580. PMID: 7853170.
- 13) Mumford GK, Rush CR, Griffiths RR (1995). A comparison of the abuse liability of alprazolam and DN-2327 (pazinaclone) in humans: Psychomotor, memory, subjective and reinforcing effects. Experimental and Clinical Psychopharmacology, 3: 39-48. PMID: Unavailable.
- 14) Griffiths RR, Rush CR, Puhala KA (1996). Validation of the multiple-choice procedure for investigating drug reinforcement in humans. Experimental and Clinical Psychopharmacology, 4: 97-106. PMID: Unavailable.
- 15) Rush CR, Griffiths RR (1996). Zolpidem, triazolam and temazepam: Behavioral and subject-rated effects in normal volunteers. Journal of Clinical Psychopharmacology, 16: 146-157. PMID: 8690830.
- 16) Rush CR, Madakasira S, Goldman NH (1996). Acute behavioral effects of estazolam and triazolam in non-drug abusing volunteers. Experimental and Clinical Psychopharmacology, 4: 300-307. PMID: Unavailable.
- 17) Rush CR, Griffiths RR (1997). Acute subject-rated and behavioral effects of alprazolam and buspirone, alone and in combination with ethanol, in normal volunteers. Experimental and Clinical Psychopharmacology, 5: 28-38. PMID: 9234037.
- 18) Rush CR, Madakasira S, Goldman NH, Woolverton WL, Rowlett JK (1997). Discriminative-stimulus effects of zolpidem in pentobarbital-trained subjects: II. Comparison with triazolam and caffeine in humans. Journal of Pharmacology and Experimental Therapeutics, 280: 174-188. PMID: 8996195.
- 19) Rush CR, Madakasira S, Hayes CA, Johnson CA, Goldman NH, Pazzaglia PJ (1997). Trazodone and triazolam: Acute subject-rated and performance-impairing effects in healthy volunteers. Psychopharmacology, 131: 9-18. PMID: 9181630.
- 20) Rush CR, Kollins SH, Pazzaglia PJ (1998). Discriminative-stimulus and participant-rated effects of methylphenidate, bupropion and triazolam in *d*-amphetamine-trained humans. Experimental and Clinical Psychopharmacology, 6: 32-44. PMID: 9526144.
- 21) Rush CR, Armstrong DL, Ali JA, Pazzaglia PJ (1998). Benzodiazepine-receptor ligands in humans: Acute performance-impairing, subject-rated and observer-rated effects. Journal of Clinical Psychopharmacology, 18: 154-166. PMID: 9555600.

- 22) Rush CR, Pazzaglia PJ (1998). Pretreatment with isradipine, a calcium-channel blocker, does not attenuate the acute behavioral effects of ethanol in humans. Alcoholism: Clinical and Experimental Research, 22: 539-547. PMID: 9581666.
- 23) Frey JM, Mintzer MZ, Rush CR, Griffiths RR (1998). Buspirone is differentiated from diazepam in humans using a three-response drug discrimination procedure. Psychopharmacology, 138: 16-26. PMID: 9694522.
- 24) Rush CR (1998). Behavioral pharmacology of zolpidem relative to benzodiazepines: A review. Pharmacology, Biochemistry and Behavior, 61: 253-269. PMID: 9768560.
- 25) Kollins SH, Rush CR, Pazzaglia PJ, Ali JA (1998). Comparison of the acute behavioral effects of sustained-release and immediate-release methylphenidate. Experimental and Clinical Psychopharmacology, 6: 367-374. PMID: 9861551.
- 26) Rush CR, Frey JM, Griffiths RR (1999). Zaleplon and triazolam in humans: Acute behavioral effects and abuse potential. Psychopharmacology, 145: 39-51. PMID: 10445371.
- 27) Rush CR, Baker RW, Wright K (1999). Acute physiological and behavioral effects of oral cocaine in humans: A dose-response analysis. Drug and Alcohol Dependence, 55: 1-12. PMID: 10402144.
- 28) Rush CR, Baker RW, Wright K (1999). Trazodone, zolpidem, and triazolam in humans: Acute behavioral effects and abuse potential. Psychopharmacology, 144: 220-233. PMID: 10435388.
- 29) Rush CR, Ali JA (1999). A follow-up study of the acute behavioral effects of benzodiazepine-receptor ligands in humans: Comparison of quazepam and triazolam. Experimental and Clinical Psychopharmacology, 7:257-265. PMID: 10472514.
- 30) Kollins SH, Rush CR (1999). Effects of training dose on the relationship between the discriminative-stimulus and self-reported effects of *d*-amphetamine in humans. Pharmacology, Biochemistry & Behavior, 64: 319-326. PMID: 10515308.
- 31) Rush CR, Ali JA (1999). Naltrexone does not attenuate the acute behavioral effects of ethanol or pentobarbital in humans. Behavioural Pharmacology, 10: 401-413. PMID: 10780808.
- 32) Rush CR, Baker RW, Rowlett JK (2000). Discriminative-stimulus effects of zolpidem, triazolam, pentobarbital and caffeine in zolpidem-trained humans. Experimental and Clinical Psychopharmacology, 8: 22-36. PMID: 10743902.
- 33) Rush CR, Baker RW (2001). Zolpidem and triazolam interact differentially with a delay interval on a digit-enter-and-recall task. Human Psychopharmacology: Clinical and Experimental, 16: 147-157. PMID: 12404585.
- 34) Rush CR, Baker RW (2001). Behavioral pharmacological similarities between methylphenidate and cocaine in cocaine abusers. Experimental and Clinical Psychopharmacology, 9: 59-73. PMID: 11519636.
- 35) Rush CR (2001). Pretreatment with Hydromorphone, A μ -opioid agonist, does not alter the acute behavioral and physiological effects of ethanol in humans. Alcoholism: Clinical and Experimental Research, 25: 9-17. PMID: 11198720.

- 36) Kollins SH, MacDonald EK, Rush CR (2001). Assessing the abuse potential of methylphenidate in nonhumans and human subjects: A review. Pharmacology, Biochemistry and Behavior, 68: 611-627. PMID: 11325419.
- 37) Rush CR, Essman WD, Simpson CA, Baker RW (2001). Reinforcing and subject-rated effects of methylphenidate and *d*-amphetamine in non-drug-abusing volunteers. Journal of Clinical Psychopharmacology, 21: 273-286. PMID: 11386490.
- 38) Fillmore MT, Rush CR, Kelly TH, Hays, LR (2001). Triazolam impairs inhibitory control of behavior in humans. Experimental and Clinical Psychopharmacology, 9: 363-371. PMID: 11764012.
- 39) Fillmore MT, Rush CR (2001). Alcohol effects on inhibitory and activational response strategies in the acquisition of alcohol and other reinforcers: Priming the motivation to drink. Journal of Studies on Alcohol, 62: 646-656. PMID: 11702804.
- 40) Fillmore MT, Kelly TH, Rush CR, Hays LR (2001). Retrograde facilitation of memory by triazolam: Effects on automatic processes. Psychopharmacology, 158: 314-321. PMID: 11713622.
- 41) Kollins SH, Rush CR (2002). Evidence for sensitization to the cardiovascular, but not the subject-rated effects, of oral cocaine. Biological Psychiatry, 51: 143-150. PMID: 11822993.
- 42) Simpson CA, Rush CR (2002). Acute performance-impairing and subject-rated effects of triazolam and temazepam, alone and in combination with ethanol, in humans. Journal of Psychopharmacology, 16: 23-34. PMID: 11949768.
- 43) Rush CR, Kelly TH, Hays LR, Baker RW, Wooten AF (2002). Acute behavioral and physiological effects of modafinil in drug abusers. Behavioural Pharmacology, 13: 105-115. PMID: 11981223.
- 44) Rush CR, Kelly TH, Hays LR, Wooten AF (2002). Discriminative-stimulus effects of modafinil in cocaine-trained humans. Drug and Alcohol Dependence, 67: 311-322. PMID: 12127202.
- 45) Fillmore M T, Rush CR, Hays LR (2002). Acute effects of oral cocaine on the ability to inhibit a prepotent response in humans. Drug and Alcohol Dependence, 67: 157-167. PMID: 12095665.
- 46) Fillmore MT, Rush CR (2002). Impaired inhibitory control of behavior in chronic cocaine abusers. Drug and Alcohol Dependence, 66: 265-273. PMID: 12062461.
- 47) Rush CR, Kelly TH, Fillmore MT, Hays LR (2003). Discriminative-stimulus effects of triazolam in light and moderate drinkers. Alcoholism: Clinical and Experimental Research, 27: 638-646. PMID: 12711926.
- 48) Stoops WW, Fillmore MT, Poonacha MF, Kingery JE, Rush CR (2003). Alcohol choice and amphetamine effects in light and moderate drinkers. Alcoholism: Clinical and Experimental Research, 27: 804-811. PMID: 12766625.
- 49) Stoops WW, Rush CR (2003). Differential effects in humans following repeated administrations of zolpidem and triazolam. American Journal of Drug and Alcohol Abuse, 29: 281-299. Erratum, American Journal of Drug and Alcohol Abuse, 29: 895-896. PMID: 12765207.

- 50) Rush CR, Stoops WW, Hays LR, Glaser PEA, Hays LS (2003). Risperidone attenuates the discriminative-stimulus of d-amphetamine in humans. Journal of Pharmacology and Experimental Therapeutics, 306: 195-204. PMID: 12676890.
- 51) Stoops WW, Glaser PEA, Rush CR (2003). Reinforcing, subject-rated and physiological effects of intranasal methylphenidate: A dose response analysis. Drug and Alcohol Dependence, 71: 179-186. PMID: 12927656.
- 52) Fillmore MT, Rush CR, Marczynski CA (2003). Effects of d-amphetamine on behavioral control in stimulant abusers: The role of prepotent response tendencies. Drug and Alcohol Dependence, 71:143-152. PMID: 12927652.
- 53) Haga JL, Baker RW, Rush CR (2003). Behavioral and physiological effects of cocaine in humans following triazolam. Pharmacology, Biochemistry and Behavior, 76: 383-392. PMID: 14643836.
- 54) Kelly TH, Stoops WW, Perry AS, Prendergast MA, Rush CR (2003). Clinical neuropharmacology of drugs of abuse: A comparison of drug-discrimination and subject-report measures. Behavioral and Cognitive Neurosciences Reviews, 2: 227-260. PMID: 15006288.
- 55) Makris AP, Rush CR, Frederich RC, Kelly TH (2004). Wake-promoting agents with different mechanisms of action: comparison of effects of amphetamine and modafinil on food intake and cardiovascular activity. Appetite, 42:185-195. PMID: 15010183.
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Manuscripts in preparation (data collection completed)

- 1) Czoty PW, Stoops WW, and Rush CR. The translational capability of preclinical and human laboratory drug self-administration procedures in developing medications for cocaine addiction.
- 2) Marks KR, Pike E, Stoops WW, Rush CR. Influence of alcohol pretreatment on cocaine cue attentional bias.
- 3) Marks KR, Pike E, Stoops WW, Rush CR. Sex differences in cocaine cue attentional bias.
- 4) Marks KR, Stoops WW, Rush CR. Behavioral correlates of cocaine cue attentional bias.
- 5) Marks KR, Stoops WW, Rush CR. Cocaine and alcohol cue attentional bias in cocaine-dependent subjects.
- 6) Pike E, Marks KR, Stoops WW, Rush CR. Assessing inhibitory control in cocaine users using the cued go/no-go task: Influence of demographic characteristics.
- 7) Pike E, Marks KR, Stoops WW, Rush CR. Cocaine images impair inhibitory control at short stimulus onset asynchronies.
- 8) Pike E, Marks KR, Stoops WW, Rush CR. Impact of alcohol on impaired inhibitory control following cocaine images in cocaine users.
- 9) Pike E, Marks KR, Strickland JC, Stoops WW, Rush CR. Cocaine images impact inhibitory control: A within- and between-subjects comparison.
- 10) Pike E, Stoops WW and Rush CR. Influence of Acute Bupirone on the Effects of Oral Methamphetamine.
- 11) Pike E, Stoops WW, Rush CR. Years of stimulant use as a biobehavioral marker for methamphetamine dependence.
- 12) Strickland JC, Stoops WW and Rush CR. Relationship between methamphetamine self-administration and subject-rated effects.

PRESENTATIONS

- 1) Rush CR, Higgins ST, Hughes JR, Bickel WK, Capeless M, Lynn M (August, 1989). Intranasal cocaine: Effects on learning and performance in humans. Paper presented at the annual meeting of the American Psychological Association, New Orleans, LA.
- 2) Rush CR, Higgins ST, Hughes JR, Bickel WK, Benedict I (August, 1989). Effects of d-amphetamine on social versus monetary reinforcement. Paper presented at the annual meeting of the American Psychological Association, New Orleans, LA.
- 3) Rush CR, Higgins ST, Bickel WK, Hughes JR (May, 1989). Effects of triazolam on the acquisition of response sequences in humans. Paper presented at the annual meeting of the Association for Behavior Analysis, Milwaukee, WI.
- 4) Higgins ST, Bickel WK, Hughes JR, Rush CR, Pepper S, Lynn M (May, 1989). Effects of ethanol on response-sequence acquisition and performance with response rate equated in the two conditions. Paper presented at the annual meeting of the Association for Behavior Analysis, Milwaukee, WI.
- 5) Higgins ST, Bickel WK, Hughes JR, Rush CR (May, 1989). Effects of commonly used and abused drugs on human learning. Paper presented at the annual meeting of the Association for Behavior Analysis, Milwaukee, WI.
- 6) Rush CR, Higgins ST, Hughes JR, Bickel WK, Capeless MA (May, 1990). Caffeine-alcohol combinations: effects on the repeated acquisition and performance of behavioral sequences. Paper presented at the annual meeting of the Association for Behavior Analysis, Nashville, TN.
- 7) Higgins ST, Rush CR, Hughes JR, Bickel WK, Capeless MA (May, 1990). Behavioral effects of caffeine in humans. Paper presented at the annual meeting of the Association for Behavior Analysis, Nashville, TN.
- 8) Rider DP, Rush CR, Higgins ST, Bickel WK, Seiden LS (May, 1990). Effects of d-amphetamine, chlordiazepoxide, diazepam, and pentobarbital on response rates suppressed by DRO contingencies. Paper presented at the annual meeting of the Association for Behavior Analysis, Nashville, TN.
- 9) Higgins ST, Bickel WK, Hughes JR, Rush CR (November, 1990). Effects of commonly used and abused drugs on human learning. Paper presented at the annual meeting of the European Behavioral Pharmacology Society, Amsterdam, Netherlands.
- 10) Rush CR, Higgins ST, Bickel WK, Hughes JR (September, 1991). Abuse liability of alprazolam relative to other commonly used benzodiazepines: A literature review. Paper presented at the annual meeting of the Vermont Academy of Family Physicians, Colchester, VT.
- 11) Higgins ST, Rush CR, Bickel WK, Hughes JR (June, 1991). Effects of cocaine and alcohol, alone and in combination, on human learning and performance. Paper presented at the annual meeting of the College on Problems of Drug Dependence, West Palm Beach, FL.
- 12) Delaney D, Rush CR, Wiegner MS, Higgins ST, Bickel WK, Hughes JR (May, 1991). Effects of triazolam on repeated acquisition performance in humans: Does a delay matter? Paper presented at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.

- 13) Rush CR, Higgins ST, Bickel WK, Hughes JR (May, 1991). Lorazepam and triazolam: A comparison of the effects on the repeated acquisition of response sequences in humans. Paper presented at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.
- 14) Rush CR, Higgins ST, Bickel WK, Hughes JR (May, 1991). Effects of diazepam and secobarbital on social interaction in humans. Paper presented at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.
- 15) Rush CR, Higgins ST, Bickel WK, Hughes JR (August, 1991). Effects of triazolam and lorazepam on human learning and performance. Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- 16) Rush CR, Higgins ST, Bickel WK, Hughes JR (June, 1992). Effects of triazolam and temazepam on human learning, performance, and subject ratings. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Keystone, CO.
- 17) Van Etten M, Higgins ST, Rush CR, Hughes JR, Bickel WK, Lynn M (May, 1992). Effects of cocaine and alcohol, alone and in combination, on human learning and performance: A Systematic Replication. Paper presented at the annual meeting of the Association for Behavior Analysis, San Francisco, CA.
- 18) Mumford GK, Rush CR, Griffiths RR (December, 1993). Abecarnil and alprazolam in humans: Behavioral, subjective and reinforcing effects. Paper presented at the annual meeting of the American College of Neuropharmacology, Honolulu, HA.
- 19) Griffiths RR, Rush CR (August, 1993). Validation of the multiple-choice procedure as an efficient approach for assessing drug reinforcement in humans. Paper presented at the annual meeting of the American Psychological Association, Toronto, Canada.
- 20) Rush CR, Troisi JR II, Critchfield TS, Texter JH, Griffiths RR (June, 1993). Discriminability of subtherapeutic doses of diazepam and buspirone in humans. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Toronto, Canada.
- 21) Mumford GK, Rush CR, Griffiths RR (June, 1993). Subjective and reinforcing effects of buspirone, diphenhydramine, lorazepam and pentobarbital. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Toronto, Canada.
- 22) Mumford GK, Rush CR, Griffiths RR (December, 1993). Abecarnil and alprazolam in humans: Behavioral, subjective and reinforcing effects. Paper presented at the annual meeting of the American College of Neuropharmacology, Honolulu, HI.
- 23) Rush CR, Frey JM, Griffiths RR (June, 1994). Acute behavioral and self-reported effects of zolpidem, triazolam and temazepam in normal volunteers. Paper presented at the annual meeting of the College on Problems of Drug Dependence, West Palm Beach, FL.
- 24) Griffiths RR, Rush CR, Sullivan J, Abreu ME (June, 1994). Subjective effects of intravenous caffeine in drug abusers. Paper presented at the annual meeting of the College on Problems of Drug Dependence, West Palm Beach, FL.
- 25) Rush CR, Higgins ST (May, 1994). Human behavioral pharmacology of commonly prescribed hypnotics. Paper presented at the annual meeting of the Behavioral Pharmacology Society. Boston, MA.

- 26) Rush CR, Mumford GK, Griffiths RR (June, 1995). Discriminative-stimulus effects of triazolam, zolpidem, oxazepam and caffeine in humans. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 27) Frey JM, Rush CR, Griffiths RR (June, 1995). Discriminative-stimulus effects of diazepam and buspirone in a three-choice response paradigm. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 28) Woolverton WL, Rowlett JK, Rush CR (December, 1995). Comparison of the discriminative stimulus effects of benzodiazepine ligands in rats, monkeys and humans. Paper presented at the annual meeting of the American College of Neuropharmacology, San Juan, PR.
- 29) Rush CR, Pazzaglia PJ (June, 1996). Discriminative-stimulus and subject-rated effects of d-amphetamine, bupropion, methylphenidate and triazolam in d-amphetamine-trained humans. Paper presented at the annual meeting of the College on Problems of Drug Dependence, San Juan, Puerto Rico.
- 30) Pazzaglia PJ, Rush CR (June, 1996) Effects of isradipine on the acute subject-rated and behavioral effects of ethanol in moderate drinkers. Paper presented at the annual meeting of the College on Problems of Drug Dependence, San Juan, Puerto Rico.
- 31) Rush CR, Hayes CA, Madakasira S, Goldman NH (August, 1996). Acute behavioral effects of estazolam and triazolam in humans. Paper presented at the annual meeting of the American Psychological Association, Toronto, Canada.
- 32) Frey JM, Rush CR, Griffiths RR (November, 1996). Physiological, behavioral and subjective effects of flumazenil-precipitated withdrawal in benzodiazepine-dependent methadone clients. Paper presented at the annual meeting of the Society for Neuroscience, Washington, DC.
- 34) Rush CR (May, 1997). Human behavioral pharmacology of BZ₁-specific and BZ₁-BZ₂ non-specific benzodiazepine receptor ligands. Paper presented at the annual meeting of the Behavioral Pharmacology Society, Philadelphia, PA.
- 35) Rush CR, Armstrong DL, Ali J, Pazzaglia PJ (June, 1997). Naltrexone does not block the acute behavioral effects of pentobarbital in humans. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Nashville, TN.
- 36) Kollins SH, Rush CR (June, 1997). d-Amphetamine discrimination in humans: Effects of training dose. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Nashville, TN.
- 37) Rush CR (December, 1997). Functional significance of benzodiazepine receptor subtypes in humans. Paper presented at the annual meeting of the American College of Neuropharmacology, Kamuela, HA.
- 38) Rush CR (May, 1998). Discriminative-stimulus effects of zolpidem in humans. Paper presented at the annual meeting of the Behavioral Pharmacology Society, Philadelphia, PA.
- 39) Rush CR, Baker RW, Wright K (June, 1998). Trazodone, zolpidem, and triazolam: Acute behavioral effects and abuse potential. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 40) Hayes CA, Rush CR, Wright K, Baker RW (June, 1998). Acute physiological and behavioral effects of ascending doses of oral cocaine in humans. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.

- 41) Baker RW, Rush CR, Warren E (June, 1999). Is methylphenidate like cocaine? Subjective effects in cocaine-dependent volunteers. Poster presented at the 39th Annual New Clinical Drug Evaluation Unit Meeting sponsored by National Institute of Mental Health, Boca Raton, FL.
- 42) Rush CR, Baker RW (September, 1999). Zolpidem and triazolam interact differentially with a delay interval on a digit-enter-and-recall task. Poster presented at the joint meeting of the European Behavioral Pharmacology Society and the Behavioral Pharmacology Society, Boston, MA.
- 43) Rush CR, Simpson CA, Kelly TH, Hays LR, Wooten A, Baker RW (May, 2000). Behavioral Pharmacology of Modafinil in Humans. Paper presented at the annual meeting of the Behavioral Pharmacology Society, Boston, MA.
- 44) Rush CR, Baker RW (June, 2000). Behavioral pharmacological similarities between methylphenidate and cocaine in cocaine abusers. Paper presented at the annual meeting of the College on Problems of Drug Dependence, San Juan, PR.
- 45) Simpson CA, Rush CR (June, 2000). Acute behavioral effects of triazolam and temazepam in healthy female and male volunteers. Paper presented at the annual meeting of the College on Problems of Drug Dependence, San Juan, PR
- 46) Fillmore MT, Rush CR (June, 2000). Alcohol suppresses cognitive inhibitory mechanisms in attention-based performance of social drinkers: A temporary drug-induced attentional deficit? Paper presented at the annual meeting of the College on Problems of Drug Dependence, San Juan, PR.
- 47) Rush CR, Essman WD, Simpson CA, Baker RW (June, 2000). Reinforcing and Subject-Rated Effects of Methylphenidate and d-Amphetamine in Non-Drug-Abusing Humans. Paper presented at the annual meeting of the International Study Group on Drugs As Reinforcers (ISGADAR), San Juan, PR.
- 48) Fillmore MT, Rush CR, Kelly TH, Hays LR (November, 2000). The sedative-hypnotic drug triazolam impairs cognitive inhibitory control. Paper presented at the annual meeting of the Psychonomics Society, New Orleans, LA.
- 49) Wooten AF, Hays LR, Rush CR (December, 2000). Abuse Potential of Modafinil (Provigil) when Compared with Oral Cocaine in a Sample of Stimulant Abusers. Paper presented at the annual meeting of American Academy of Addiction Psychiatry, Phoenix AZ.
- 50) Rush CR, Kelly TH, Hays LR, Fillmore MT (2001). Individual differences in responses to commonly abused drugs: Dose-response analyses in humans. Paper presented at the annual meeting of the Behavioral Pharmacology Society, Orlando, FL.
- 51) Kelly TH, Rush CR, Hays LR (2001). Assessment of the interoceptive effects of alcohol in humans. Paper presented at the annual meeting of the Behavioral Pharmacology Society, Orlando, FL.
- 52) Rush CR, Kelly TH, Hays LR, Wooten AF (June, 2001). Discriminative-Stimulus Effects of Modafinil in Cocaine-Trained Humans. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 53) Kollins SH, Rush CR (June, 2001). Evidence for sensitization to the cardiovascular, but not the subjective effects, of repeated oral cocaine. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.

- 54) Stoops WW, Rush CR (June, 2001). Differential Effects in Humans Following Repeated Administrations of Zolpidem and Triazolam. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 55) Kelly TH, Fredenberg AM, Emurian CS, Martin CA, Hays LR, Rush CR (June, 2001). Discriminative stimulus effects of triazolam: Influence of menstrual cycle phase. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 56) Makris AP, Kelly TH, Rush CR, Wilson JF, Frederich RC (June 2001). The effects of modafinil on food intake, verbal reports of drug effect, performance, and cardiovascular activity in normal, healthy men and women. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 57) Makris AP, Kelly TH, Rush CR, Wilson JF, Frederich RC (October, 2001). The effects of modafinil on food intake, verbal reports of drug effect, performance, and cardiovascular activity in normal healthy men and women. Paper presented at the annual meeting of North American Association for the Study of Obesity (NAASO), Québec City, Québec, Canada.
- 58) Kollins SH, Rush CR (December, 2001). Sensitization to the cardiovascular but not subject-rated effects of oral cocaine in humans. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Waikoloa, HI.
- 59) Fillmore MT, Kelly TH, Rush CR, Hays LR (November, 2001). Retrograde memory facilitation by sedative hypnotic drugs: A reliance on automatic processes. Paper presented at the annual meeting of the Psychonomics Society, Orlando, FL.
- 60) Allen TS, Hays LR, Rush CR (December, 2001). A Behavioral Neuropharmacological Analysis of the Effects of Cocaine in Humans: Effects Sibutramine and Methylphenidate. Paper presented at the annual meeting of American Academy of Addiction Psychiatry, Amelia Island, FL.
- 61) Stoops WW, Rush CR (June, 2002). Individual Differences in Alcohol Choice and Amphetamine Effects in Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Québec City, Québec, Canada.
- 62) Haga JL, Rush CR, Baker RW (June, 2002). GABA agonists as pharmacotherapies for cocaine abuse: A pilot study. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Québec City, Québec, Canada.
- 63) Rush CR, Kelly TH, Hays LR, Allen TS (June, 2002). Discriminative-stimulus effects of sibutramine in cocaine-trained humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Québec City, Québec, Canada.
- 64) Kelly TH, Delzer T, Martin CA, Hays LR, Harrington NG, Bardo MJ, Rush CR (June, 2002). Behavioral effects of amphetamine and diazepam in high- and low-sensation seekers. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Québec City, Québec, Canada.
- 65) Hays LS, Stoops WW, Glaser PEA, Hays LR, Rush CR (December, 2002). Discriminative-Stimulus and Subject-Rated Effects of d-Amphetamine Following Pretreatment with Risperidone. Paper presented at the annual meeting of American Academy of Addiction Psychiatry, Las Vegas, NV.

- 66) Rush CR, Stoops WW, Glaser PEA, Hays LR (December, 2002). GABA Agonists As Putative Pharmacotherapies for Cocaine Abuse: Results From Human Laboratory Experiments. Paper presented at the annual meeting of American Academy of Addiction Psychiatry, Las Vegas, NV.
- 67) Rush CR, Stoops WW, Hays LR, Glaser PEA, Hays LS (June, 2003). Risperidone Attenuates the Behavioral Effects of d-Amphetamine in Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Bal Harbor, FL.
- 68) Stoops WW, Glaser PEA, Rush CR (June, 2003). Reinforcing, Subject-Rated and Physiological Effects of Methylphenidate and d-Amphetamine in Drug-Abusing Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Bal Harbor, FL.
- 69) Stoops WW, Glaser PEA, Rush CR (June, 2003). Reinforcing and Subject-Rated Effects of Intranasal Methylphenidate in Humans. Paper presented at the annual meeting of the International Study Group Investigating Drugs as Reinforcers, Bal Harbor, FL.
- 70) Lile JA, Rush CR (June, 2003). Discriminative-Stimulus and Subject-Rated Effects of d-Amphetamine in Women and Men. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Bal Harbor, FL.
- 71) Kelly TH, Douglass S, Robbins G, Martin CA, Fillmore MT, Harrington NG, Bardo MJ, Rush CR (June, 2003). Behavioral Effects of Amphetamine in High- and Low-Impulsive Sensation Seekers: A Systematic Replication. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Bal Harbor, FL.
- 72) Kelly TH, Yingling A, Robbins G, Martin CA, Harrington NG, Bardo MJ, Rush CR, Perkins KA (June, 2004). Effects of Tobacco Deprivation and Subsequent Tobacco smoking on High- and Low-Impulsive Sensation Seeking Smokers. Paper presented at the annual meeting of the College On Problems of Drug Dependence, San Juan, PR.
- 73) Lile JA, Stoops WW Hays LR, Rush CR (June, 2004). The Atypical Antipsychotic Aripiprazole Attenuates the Effects of Oral d-Amphetamine in Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, San Juan, PR.
- 74) Rush CR, Stoops WW, Lile JA, Fillmore MT, Glaser PEA (June, 2004). The Reinforcing Effects of Methylphenidate: Influence of Dose and Environmental Demands Following Drug Administration. Paper presented at the annual meeting of the College On Problems of Drug Dependence, San Juan, PR.
- 75) Stoops WW, Lile JA, Glaser PEA, Rush CR (June, 2004). Discriminative-Stimulus and Self-Reported Effects of Methylphenidate, d-Amphetamine, and Triazolam in Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, San Juan, PR.
- 76) Fillmore MT, Rush CR (June, 2004). Cocaine Users Display Impaired Discrimination-Reversal Learning in a Model of Behavioral Control. Paper presented at the annual meeting of the College On Problems of Drug Dependence, San Juan, PR.
- 77) Lile JA, Stoops WW, Glaser PEA, Hays LR, Rush CR (July, 2004). Tiagabine Does Not Alter the Effects of Cocaine in Humans. Paper presented at the annual meeting of the American Psychological Association, Honolulu, HI.

- 78) Rush CR, Vansickel AR, Hays LR (July, 2004). Discriminative-Stimulus Effects of Triazolam in Women and Men. Paper presented at the annual meeting of the American Psychological Association, Honolulu, HI.
- 79) Wagner FP, Stoops WW, Glaser PEA, Hays LR, Rush CR (July, 2004). Alprazolam Attenuates the Acute Behavioral Effects of d-Amphetamine. Paper presented at the annual meeting of the American Psychological Association, Honolulu, HI.
- 80) Lile JA, Stoops WW, Wagner FP, Glaser PEA, Rush CR (June, 2005). Discriminative-Stimulus Effects of d-Amphetamine Following Pretreatment with Oxazepam. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Orlando, FL.
- 81) Stoops WW, Durell TM, Glaser PEA, Lile JA, Rush CR (June, 2005). Discriminative-Stimulus and Self-Reported Effects of Methylphenidate, Atomoxetine, d-Amphetamine, and Triazolam in Methylphenidate Trained Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Orlando, FL.
- 82) Rush CR, Lile JA, Stoops WW, Vansickel AR, Glaser PEA, Hays LR (June, 2005). The Atypical Antipsychotic Aripiprazole Attenuates the Effects of Oral d-Amphetamine in Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Orlando, FL.
- 83) Vansickel AR, Rush CR, Higgins ST, Stoops WW, Lile JA, Glaser PEA (June, 2005). Methylphenidate Increases Spontaneous Smoking in Humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Orlando, FL.
- 84) Kelly TH, Stoops WW, Robbins G, Martin CA, Lile JA, Bardo MT, Rush CR (June, 2005). d-Amphetamine Self-Administration in High- and Low-Impulsive Sensation Seekers Using a Progressive-Ratio Procedure. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Orlando, FL.
- 85) Glaser PEA, Vansickel AR, Zettler E, Stoops WW, Lile JA, Rush CR (October, 2005). Methylphenidate Increases Smoking in Humans. Paper presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry, Toronto, Ontario, Canada.
- 86) Rush CR, Vansickel AR (February, 2006). Methylphenidate Increases Smoking. Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Orlando, FL.
- 87) Vansickel AR, Rush CR Higgins ST, Stoops WW, Lile JA, Glaser PEA (May, 2006). Effects of methylphenidate on cigarette smoking behavior: A behavior analysis. Paper presented at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.
- 88) Kelly TH, Stoops WW, Robbins G, Martin CA, Lile JA, Bardo MT, Rush CR, (May, 2006). d-Amphetamine self-administration in high- and low-impulsive sensation seeks using a progressive ratio procedure. Paper presented at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.
- 89) Stoops WW, Lile JA, Robbins G, Martin CA, Rush CR, Kelly TH (June, 2006). The Reinforcing, Subject-Rated, and Performance Effects of d-Amphetamine: Influence of Sensation-Seeking Status. Paper presented at the International Study Group Investigating Drugs as Reinforcers, Scottsdale, AZ.

- 90) Rush CR, Stoops WW, Wagner FP, Glaser PEA, Hays LR (June, 2006). Atomoxetine for cocaine dependence. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Scottsdale, AZ.
- 91) Wagner FP, Vansickel AR, Stoops WW, Lile JA, Hays LR, Glaser PEA, Rush CR (June, 2006). Discriminative-stimulus effects of d-amphetamine in women and men. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Scottsdale, AZ.
- 92) Vansickel AR Stoops WW, Glaser PEA, Rush CR (June, 2006). Effects of acute methylphenidate and atomoxetine administration on spontaneous smoking in humans. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Scottsdale, AZ.
- 93) Fillmore MT, Rush CR (June, 2006). Acute effects of cocaine in two models of inhibitory control: Implications of non-linear dose effects. Paper presented at the annual meeting of the College On Problems of Drug Dependence, Scottsdale, AZ.
- 94) Stoops WW, Lile JA, Glaser PEA, Rush CR (June, 2006). A Low Dose of Aripiprazole Attenuates the Abuse-Related Effects of d-Amphetamine. Paper presented at the College on Problems of Drug Dependence, Scottsdale, AZ.
- 95) Stoops WW, Lile JA, Rush CR (August, 2006). Agonist Pharmacotherapy for Stimulant Abuse and Dependence: Results from Human Laboratory Studies. Paper presented in symposium *Agonist Pharmacotherapy for Stimulant Abuse and Dependence: A Viable Option?* Annual meeting of the American Psychological Association (Division 28 [Psychopharmacology and Substance Abuse]), New Orleans, LA.
- 96) Glaser PEA, Vansickel AR, Stoops WW, Rush CR (October, 2006). Effects of Acute Methylphenidate and Atomoxetine on Spontaneous Cigarette Smoking. Paper presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry, San Diego, CA.
- 97) Stoops WW, Vansickel AR, Lile JA, Glaser PEA, Rush CR (June, 2007). Acute pretreatment with d-amphetamine enhances the subject-rated and cardiovascular, but not the reinforcing, effects of d-amphetamine. Paper presented at the College on Problems of Drug Dependence: Quebec City, Canada.
- 98) Vansickel AR, Stoops WW, Hays K, Rush CR (June, 2007). Methylphenidate-induced increases in smoking: Effect of formulation type. Paper presented at the College on Problems of Drug Dependence Annual Meeting in Quebec City, Canada.
- 99) Rush CR, Stoops WW, Lile JA, Lofwall MR (August, 2007). Aripiprazole as a pharmacotherapy for cocaine dependence: Safety, Tolerability and Behavior. Paper presented at the Annual meeting of the American Psychological Association (Division 28 [Psychopharmacology and Substance Abuse]), San Francisco, CA.
- 100) Stoops WW, Blackburn JW, Hudson DA, Hays LR, Rush CR (August, 2007). Atomoxetine as a putative pharmacotherapy for cocaine dependence: A safety/tolerability and behavioral study. Paper presented at the Annual meeting of the American Psychological Association (Division 28 [Psychopharmacology and Substance Abuse]), San Francisco, CA.

- 101) Lile JA, Stoops WW, Rush CR (August, 2007). Human cocaine choice: Effects of dose and an alternative reinforcer. Paper presented at the Annual meeting of the American Psychological Association (Division 28 [Psychopharmacology and Substance Abuse]), San Francisco, CA.
- 102) Vansickel AR, Stoops WW, Glaser PEA, Rush CR (August, 2007). Stimulants and smoking: Findings from the human laboratory. Paper to be presented at the Annual meeting of the American Psychological Association (Division 28 [Psychopharmacology and Substance Abuse]), San Francisco, CA.
- 103) Glaser PEA, Vansickel AR, Stoops WW, Rush CR (October, 2007). Methylphenidate-induced increases in smoking: Immediate-release vs. sustained-release. Paper presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry, Boston, MA.
- 104) Rush CR, Stoops WW, Glaser PEA, Hays LR (June, 2008). Cocaine effects during d-amphetamine maintenance. Paper presented at the College on Problems of Drug Dependence. San Juan, Puerto Rico.
- 105) Stoops WW, Vansickel AR, Rush CR (June, 2008). The effects of acute varenicline administration on eating and smoking behavior. Paper presented at the College on Problems of Drug Dependence. San Juan, Puerto Rico.
- 106) Sevak RJ, Stoops WW, Hays LR, Rush CR (June, 2008). Discriminative-stimulus effects of methamphetamine, d-amphetamine, methylphenidate and triazolam in humans. Paper presented at the College on Problems of Drug Dependence. San Juan, Puerto Rico.
- 107) Vansickel AR, Stoops WW, Glaser PEA, Rush CR (June, 2008). d-Amphetamine pretreatment modifies the discriminative-stimulus effects of methamphetamine in humans. Paper presented at the College on Problems of Drug Dependence. San Juan, Puerto Rico.
- 108) Poole MM, Vansickel AR, Stoops WW, Rush CR (June, 2008). Individual differences in stimulant-induced increases in cigarette smoking. Paper presented at the College on Problems of Drug Dependence. San Juan, Puerto Rico.
- 109) Wagner, FP, Vansickel AR, Stoops WW, Rush CR (June, 2008). d-Amphetamine self-administration in women and men. Paper presented at the College on Problems of Drug Dependence. San Juan, Puerto Rico.
- 110) Rush CR, Stoops WW, Lile JA, Lofwall MR, Hays LR (December, 2008). Aripiprazole as a pharmacotherapy for cocaine dependence. Paper presented at the annual meeting of American Academy of Addiction Psychiatry, Boca Raton, FL.
- 111) Vansickel AR, Poole MM, Stoops WW, Glaser PEA, Rush CR (2009). Behavioral and pharmacological analysis of methylphenidate-induced increases in cigarette smoking: findings from the human laboratory. Paper presented at the Society for Research on Nicotine and Tobacco, Joint Conference of Society for Research on Nicotine and Tobacco and Society for Research on Nicotine and Tobacco (Europe). Dublin, Ireland.
- 112) Vansickel AR, Poole MM, Stoops WW, Glaser PEA, Rush CR (June, 2009). Influence of acute methylphenidate administration on cigarette smoking behavior in ADHD diagnosed adults. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence. Reno, Nevada.

- 113) Poole MM, Vansickel AR, Reynolds AR, Rush CR (June, 2009). Relationship between the subjective and discriminative or reinforcing effects of d-amphetamine: A retrospective analysis. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence. Reno, Nevada.
- 114) Wagner FP, Stoops WW, Rush CR (June, 2009). Drug use in individuals screened for participation in human behavioral pharmacology laboratory studies. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence. Reno, Nevada.
- 115) Rush CR, Stoops WW, Sevak RJ, Hays LR (June, 2009). Cocaine choice in humans during d-amphetamine maintenance. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence. Reno, Nevada.
- 116) Sevak RJ, Vansickel AR, Stoops WW, Hays LR, Rush CR. (June, 2009). Effects of aripiprazole on the discriminative-stimulus and subject-rated effects of methamphetamine in humans. Poster presented in National Institute on Drug Abuse (NIDA) International Forum at the Annual Meeting of the College on Problems of Drug Dependence. Reno, NV.
- 117) Glaser PEA, Vansickel AR, Poole, MM, Stoops WW, Rush CR (October, 2009). Acute Methylphenidate Administration Increases Cigarette Smoking Behavior in Young Adults with ADHD. Paper presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry. Honolulu, HI.
- 118) Stoop WW, Poole MM, Vansickel AR, Rush CR (August, 2010). Influence of Escalating Alternative Reinforcer Values on a Cigarette versus Money Choice Procedure. Paper presented at the Annual Meeting of the American Psychological Association. San Diego, CA.
- 119) Lile, JA, Stoops, WW, Glaser, PEA, Hays, LR, and Rush, CR. (2010). The discriminative-stimulus and subject-rated effects of cocaine alone and in combination with aripiprazole in humans. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 120) Lile JA, Stoops WW, Rush CR (June 2010). Searching for a self-administration procedure sensitive to behavioral and pharmacological manipulation in humans. Paper presented at the International Study Group Investigating Drugs as Reinforcers, Scottsdale, AZ.
- 121) Poole MM, Vansickel AR, Stoops WW, Rush CR (June, 2010). Influence of methylphenidate on the reinforcing effects of cigarette smoking. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 122) Rush CR, Vansickel AR, Stoops WW, Lile JA (June, 2010). Human laboratory research: Closer to treatment but foibles exist. Paper presented in symposium *Hair of the Dog: Agonists For Stimulant Dependence.* Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 123) Rush CR, Lile JA, Stoops WW, Glaser PEA, Hays LR (June, 2010). High efficacy GABA_A receptor modulators as medications for methamphetamine abuse. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 124) Sevak RJ, Stoops WW, Glaser PEA, Rush CR (June, 2010). Reinforcing effects of d-amphetamine: Influence of novel ratios on a progressive-ratio schedule. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.

- 125) Stanley MD, Poole MM, Stoops WW, Rush CR (June, 2010). Reinforcing effects of d-amphetamine in light and moderate drinkers. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 126) Stoops WW, Lile JA, Rush CR (June, 2010). The reinforcing effects of intranasal cocaine on a progressive ratio schedule. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 127) Wagner FP, Durkin SP, Poole MM, Rush CR (June, 2010). Influence of marijuana use on the effects of d-amphetamine. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 128) Vansickel AR, Stoops WW, Poole MM, Rush CR (June, 2010). Discriminative-stimulus effects of methamphetamine in humans: effects of acute d-amphetamine and bupropion pretreatment. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale AZ.
- 129) Stoops WW, Poole MM, Vansickel AR, Rush CR (August, 2010). Influence of Escalating Alternative Reinforcer Values on Cigarette Choice. Poster presented at the American Psychological Association: San Diego, CA.
- 130) Rush CR, Stoops WW, Lile JA, Glaser PEA, Hays LR (December, 2010). Novel pharmacotherapies for methamphetamine dependence. Paper presented at the annual meeting of American Academy of Addiction Psychiatry, Boca Raton, FL.
- 131) Rush CR, Stoops WW, Lile JA, Glaser PEA, Hays LR (June, 2011). d-Amphetamine and atomoxetine for methamphetamine abuse. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Hollywood, FL.
- 132) Stoops WW, Lile JA, Hays LR, Glaser PEA, Rush CR (June, 2011). The influence of bupropion pretreatment on cocaine self-administration. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Hollywood, FL.
- 133) Wagner FP, Vansickel AR, Poole MM, Stoops WW, Glaser PEA, Rush CR (June, 2011). Methylphenidate increases cigarette smoking in ADHD diagnosed adults. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Hollywood, FL.
- 134) Stoops WW, Lile JA, Glaser PEA, Hays LR, Rush CR (August, 2011). Alternative reinforcer response cost alters cocaine choice. Paper presented at the annual meeting of European Behavioral Pharmacology Society, Amsterdam, Netherlands.
- 135) Glaser PEA, Lile JA, Stoops WW, Rush CR (October, 2011). Agonist Therapy for Methamphetamine Abuse: Is Around the Clock d-Amphetamine Safe? Poster Presented at the American Academy of Child and Adolescent Psychiatry: Toronto, ON, Canada.
- 136) Walsh SL, Middleton LM, Nuzzo PA, Wong CJ, Rush CR, Lofwall MR (June, 2012). Atomoxetine for the treatment of cocaine dependence: A pilot double blind, randomized outpatient trial. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Palm Springs, CA.
- 137) Bennett JA, Stoops WW, Rush CR (June, 2012). The influence of alternative reinforcer response cost on methamphetamine choice. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Palm Springs, CA.

- 138) Pike E, Mark KR, Stoops WW, Rush CR (June, 2012). Years of stimulant use as a biobehavioral marker for methamphetamine dependence. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Palm Springs, CA.
- 139) Wagner FP, Bennett JA, Stoops WW, Lile JA, Rush CR (June, 2012). The influence of aripiprazole pretreatment on methamphetamine self-administration. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Palm Springs, CA.
- 140) Marks KR, Pike E, Stoops WW, Rush CR (August, 2012). Agonist replacement therapy for cocaine dependence: A translational review. Paper presented at the annual meeting of the American Psychological Association, Orlando, FL.
- 141) Marks KR, Stoops WW, Pike E, Roberts W, Fillmore MT, Rush CR (June 2013). Gaze time as a sensitive measure of cocaine-related attentional bias. Paper to be presented at the Annual Meeting of the College on Problems of Drug Dependence, San Diego, CA.
- 142) Pike E, Stoops WW, Glaser PEA, Rush CR (June, 2013). Methamphetamine self-administration in humans during d-amphetamine maintenance. Paper to be presented at the Annual Meeting of the College on Problems of Drug Dependence, San Diego, CA.
- 143) Stoops WW, Glaser PEA, Rush CR (June, 2013). Abuse potential of tapentadol compared to tramadol and hydromorphone in recreational opioid users. Paper to be presented at the Annual Meeting of the College on Problems of Drug Dependence, San Diego, CA.
- 144) Stoops WW, Lile JA, Rush CR (May 2013). The reinforcing effects of intranasal cocaine and money on concurrent progressive ratio schedules. Presented at the Association for Behavior Analysis International, Minneapolis, MN.
- 145) Marks KR, Stoops WW, Pike E, Roberts W, Fillmore MT, Rush CR (April, 2013). Measuring attentional bias to cocaine using eye-tracking technology. Poster presented at the annual Tobii Eye Tracking Conference on Behavioral Research, Boston, MA.
- 146) Stoops WW, Rush CR (April, 2014). Utility of Choice Procedures in Human Drug Abuse Laboratory Studies. Paper presented at the American Society for Pharmacology and Experimental Therapeutics: San Diego, CA.
- 147) Rush CR, Pike E, Stoops WW (June, 2014). Influence of buspirone on the cardiovascular and subject-rated effects of methamphetamine. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, San Juan, PR.
- 148) Marks KR, Stoops WW, Rush CR (June, 2014). Influence of alcohol pretreatment on cocaine cue attentional bias. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, San Juan, PR.
- 149) Stoops WW, Pike E, Hays LR, Glaser PE, Rush CR (June, 2014). Influence of bupropion, naltrexone and bupropion+naltrexone on methamphetamine self-administration in humans. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, San Juan, PR.
- 150) Pike E, Stoops WW, Rush CR (June, 2014). Cocaine images impact inhibitory control: A within- and between-subjects comparison. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, San Juan, PR.
- 151) Marks KR, Stoops WW, Rush CR (June, 2014). Cocaine dependent subjects display attentional bias toward cocaine-related but not alcohol-related stimuli. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, San Juan, PR.

- 152) Bolin BL, Rush CR, Glaser PEA, Stoops WW (June, 2014). Repeated exposure produces tolerance to some of the abuse-related subjective effects of oral tramadol in humans. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, San Juan, PR.
- 153) Rush CR (June, 2014). Recognizing the translational implications of choice research conducted by William L. Woolverton, PhD. Paper presented in symposium honoring the work of William L. Woolverton, PhD. Annual Meeting of the International Study Group Investigating Drugs as Reinforcers (ISGIDAR), San Juan, PR.
- 154) Marks KR, WW Stoops WW, Rush CR (July 2014). Fixation time as a measure of cocaine cue attentional bias: Examining substance-use correlates and the reliability of the visual probe task. Paper presented at the International Society for Research on Impulsivity, Cambridge, England.
- 155) Pike E, WW Stoops WW, Rush CR (July 2014). Drug-related stimuli impair inhibitory control in cocaine users. Paper presented at the International Society for Research on Impulsivity, Cambridge, England.
- 156) Stoops WW, Lile JA, Rush CR (July, 2014). Human laboratory evaluation of putative combination pharmacotherapies for stimulant use disorders. Paper presented in ASPET Session: Combination Medications as Novel Treatments for Stimulant Addiction. World Congress of Basic and Clinical Pharmacology: Cape Town, South Africa.
- 157) Marks KR, Stoops WW, Pike E, Rush CR (September, 2014). Measuring attentional bias to cocaine using eye-tracking technology. Poster presented at the annual Tobii Eye Tracking Conference on Behavioral Research, Washington, DC.
- 158) Strickland JC, Rush CR, Stoops WW (March, 2015). Discriminative-stimulus effects of tramadol: An individual subjects analysis of Mu opioid-receptor mediated effects. Paper presented at the Behavior, Biology, and Chemistry: Translational Research in Addiction Conference, San Antonio, Texas.
- 159) Stoops WW, Bolin BL, Lile JA, Rush CR (April, 2015). Buspirone does not alter the reinforcing, subjective or physiological effects of intranasal cocaine. Paper presented at the American Society for Pharmacology and Experimental Therapeutics: Boston, MA.
- 160) Strickland JC, Stoops WW, Rush CR (June, 2015). The relationship between methamphetamine self-administration and subject-rated effects. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 161) Wagner, FP, Strickland JC, Stoops WW, Rush CR (June, 2015). Feasibility of web-based treatment delivery for cocaine use disorder: Profile of internet access by active cocaine users. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 162) Bolin BL, Lile JA, Marks KR, Rush CR, Stoops WW (June, 2015). Influence of buspirone maintenance on the pharmacodynamic effects of cocaine and sexual risk taking in cocaine users. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 163) Marks KR, Lemons A III, Stoops WW, Lile JA, Rush CR (June, 2015). Laboratory drug administration does not increase use in the natural ecology immediately following study discharge. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.

- 164) Stoops WW, Bolin BL, Sites JP, Rush CR (June, 2015). Abuse potential of oral phendimetrazine in cocaine-dependent individuals. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 165) Pike E, Marks KR, Stoops WW, Rush CR (June, 2015). Cocaine images and alcohol administration impair inhibitory control. Paper presented at the Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- 166) Strickland JC, Stoops WW, Rush CR (August, 2015). The association between intranasal methamphetamine self-administration and subjectrated effects on a progressive-ratio schedule. Paper presented at the Annual Meeting of the American Psychological Association, Toronto, Canada.
- 167) Marks KR, Pike E, Stoops WW, Rush CR (August, 2015). Eye-tracking is sensitive to clinically relevant differences in cocaine abuse. Paper presented at the Annual Meeting of the American Psychological Association, Toronto, Canada.
- 168) Pike E, Marks KR, Stoops WW, Rush CR (August, 2015). Cocaine-related images impair inhibitory control in cocaine users. Paper presented at the Annual Meeting of the American Psychological Association, Toronto, Canada.

INVITED ADDRESSES, COLLOQUIUM, PRESENTATIONS IN SYMPOSIA AND GRAND ROUNDS

- 1) Rush CR (February, 1992). Human behavioral pharmacology of commonly used benzodiazepines: A within-subject analysis of effects on human learning, performance, and self-reports. Human Behavioral Pharmacology Laboratory, Department of Psychiatry, Pritzker School of Medicine, The University of Chicago, Chicago, IL.
- 2) Rush CR (March, 1992). Effects of triazolam, lorazepam and temazepam on human learning, performance, and self-reports: A within-subject analysis. Behavioral Pharmacology Research Unit, Department of Psychiatry, The Johns Hopkins University School of Medicine, Baltimore, MD.
- 3) Rush CR, Higgins ST, Bickel WK, Hughes JR, Goldberg J (May, 1993). Effects of triazolam and caffeine, alone and in combination, on human operant performance. Symposium on Human Behavioral Pharmacology of Drug Interactions at the annual meeting of the Association for Behavior Analysis, Chicago, IL.
- 4) Rush CR (November, 1993). Human behavioral pharmacology of commonly used drug combinations. Department of Psychiatry and Human Behavior, University Mississippi School of Medicine, University of Mississippi, Jackson, MS.
- 5) Rush CR (November, 1993). Combined effects of drugs in humans. Department of Pharmacology and Physiology, Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, NC.
- 6) Rush CR (October, 1993). Human Behavioral Pharmacology of Commonly Used Sedative-Stimulant Combinations. National Institute on Drug Abuse, Addiction Research Center, Baltimore, MD.
- 7) Rush CR (October, 1993). Abuse liability of commonly prescribed benzodiazepines. Symposium on Human Behavioral Pharmacology of Drug Abuse at the annual meeting of the New England Psychological Association. Manchester, NH.

- 8) Rush CR (June, 1994). Environmental modulation of the self-reported effects of drugs. Young Investigator Symposium at the annual meeting of the College on Problems of Drug Dependence, West Palm Beach, FL.
- 9) Rush CR, Griffiths RR (May, 1994). Effects of triazolam on continuous-recognition memory performance in sedative abusers. Symposium on Operant Procedures to Assess Pharmacological and Non-Pharmacological Variables that Influence Remembering at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.
- 10) Rush CR (November, 1995). Human behavioral pharmacology of commonly prescribed hypnotics. Department of Psychiatry and Human Behavior, University Mississippi School of Medicine, University of Mississippi, Jackson, MS.
- 11) Rush CR (June, 1997). Studying the relationship between the discriminative-stimulus and subject-rated effects of abused drugs in humans. Symposium on Current Issues In Behavioral Pharmacology at the annual meeting of the College on Problems of Drug Dependence, Nashville, TN.
- 12) Rush CR, Kollins SH (May, 1997). d-Amphetamine discrimination in humans: Effects of training dose and relation to subject-rated drug effects. Symposium on Current Issues in Behavioral Pharmacology at the annual meeting of the Association for Behavior Analysis, Chicago, IL.
- 13) Rush CR (February, 1997). Human Behavioral Pharmacology of Commonly Abused Drugs: From the Laboratory to the Clinic. Medical College of Virginia, Virginia Commonwealth University, Richmond, VA.
- 14) Rush CR (February, 1997). Human Behavioral Pharmacology of Substance Abuse: An Overview. Department of Psychology, Virginia Commonwealth University, Richmond, VA.
- 15) Rush CR (March, 1997). Pharmacotherapies for the treatment of alcohol abuse and dependence: From the laboratory to the clinic. Grand Rounds, Department of Psychiatry and Human Behavior, University Mississippi Medical Center, Jackson, MS.
- 16) Rush CR, Kollins SH (May, 1997). d-Amphetamine discrimination in humans: Effects of training dose and relation to subject-rated drug effects. Symposium on Contemporary Issues in Behavioral Pharmacology at the annual meeting of the Association for Behavior Analysis, Chicago, IL.
- 17) Rush CR, Kollins SH (June, 1997). Studying the relationship between the discriminative-stimulus and subject-rated effects of abused drugs in humans. Symposium on Novel Applications of Human Drug Discrimination for Understanding the Effects of Abused Drugs at the annual meeting of the College on Problems of Drug Dependence, Nashville, TN.
- 18) Rush CR (August, 1997). Acute behavioral effects of benzodiazepine ligands in humans. Young Psychopharmacologist symposium at the annual meeting of the American Psychological Association (Division 28 [Psychopharmacology and Substance Abuse]), Chicago, IL.
- 19) Rush CR (October, 1997). Human behavioral pharmacology of commonly prescribed hypnotics: Alternatives of benzodiazepines. Grand Rounds, Department of Psychiatry and Human Behavior, University Mississippi Medical Center, Jackson, MS.

- 20) Rush CR (November, 1997). Human behavioral pharmacology of BZ₁ selective and BZ₁-BZ₂ non-selective benzodiazepine receptor ligands. Grand Rounds, Department of Pharmacology and Toxicology, University Mississippi Medical Center, Jackson, MS.
- 21) Rush CR (April, 1998). Human behavioral pharmacology of commonly abused drugs. Grand Rounds, Research Institute on Addictions, Buffalo, NY.
- 22) Rush CR (April, 1998). Human behavioral pharmacology of commonly abused drugs. Jackson State University NIMH-COR Research Colloquium, Jackson State University, Jackson, MS
- 23) Rush CR (September, 1998). Studying the relationship between the discriminative-stimulus and subject-rated effects of drugs in humans. Annual meeting of the Stimulus Properties of Drugs, Beerse (Antwerp), Belgium.
- 24) Rush CR (September, 1998). Clinical neuropharmacology of commonly abused drugs. Neuroscience Symposium for Undergraduates. Sponsored by the Mississippi Psychological Association and the National Foundation of Science, Biloxi, MS.
- 25) Rush CR (November, 1998). Clinical neuropharmacology of commonly abused drugs. Grand Rounds, Department of Behavioral Science, University of Kentucky School of Medicine, Lexington, KY.
- 26) Rush CR, Baker RW (May, 1999). Human behavioral pharmacology of oral cocaine: Discriminative-stimulus, subject-rated and reinforcing effects. Paper presented in Symposium on Contemporary Issues in Human Behavioral Pharmacology at the annual meeting of the Association for Behavior Analysis, Chicago, IL.
- 27) Rush CR, Baker RW, Rowlett JK (October, 1999). Discriminative-stimulus effects of zolpidem, triazolam, pentobarbital and caffeine in zolpidem-trained humans. Symposium on Career Pathways in Behavioral Neuroscience at annual meeting of the Society for Neuroscience, Miami, FL. Sponsored by the National Institute on Drug Abuse.
- 28) Rush CR (October, 2000). Drug Discrimination in humans: Advantages, individual differences, and effects of behavioral history. Annual meeting of the Southeastern Association of Behavior Analysis, Chattanooga, TN.
- 29) Rush CR (September, 2001). Is methylphenidate potentially a drug of abuse? A human behavioral pharmacologic analysis. Eli Lilly & Company, Indianapolis, IN.
- 30) Rush CR, Stoops WW (May, 2002). Recent advances in understanding the abuse potential of methylphenidate. Symposium on Contemporary Issues in Human Behavioral Pharmacology at the annual meeting of the Association for Behavior Analysis, Chicago, IL.
- 31) Rush CR (July, 2002). Ongoing research in the laboratory of human behavioral pharmacology at the University of Kentucky. Kentucky School of Alcohol and Other Drug Studies, Northern Kentucky University, Highland Heights Kentucky.
- 32) Rush CR (August, 2002). Concordance between human and animal laboratory studies? Annual Meeting of the American Psychological Association, Chicago, IL.
- 33) Rush CR (August, 2002). Recent advances in understanding the abuse potential of methylphenidate. New Fellows Address (Division 28 [Psychopharmacology and Substance Abuse]), Annual Meeting of the American Psychological Association, Chicago, IL.

- 34) Rush CR (September, 2003). The clinical use of CNS stimulants: Problems and alternatives. Grand Rounds, Department of Psychiatry, University of Vermont College of Medicine, Burlington, VT.
- 35) Rush CR (September, 2003). Clinical psychopharmacology of CNS stimulants: Problems and alternatives. Grand Rounds, Department of Behavioral Biology, Behavioral Pharmacology Research Unit, The Johns Hopkins School of Medicine, Baltimore, MD.
- 36) Rush CR (August, 2004). Assessing Abuse Potential in Humans: The Case of ADHD Medications. Grand Rounds, Department of Psychiatry and Human Behavior, University Mississippi Medical Center, Jackson, MS.
- 37) Rush CR (November, 2004). Identifying Medications for the Treatment of Stimulant Abuse: Recent Findings from the University of Kentucky. Grand Rounds, Department of Psychiatry, Columbia University New York, NY.
- 38) Rush CR (July, 2005). Methylphenidate-Induced Increases in Smoking: Clinical Implications. Human Behavioral Pharmacology Laboratory, Department of Psychiatry, University of Vermont College of Medicine, Burlington, VT.
- 39) Rush CR (July 12, 2007). Identifying Medications for the Treatment of Stimulant Dependence: Findings from the Laboratory of Human Behavioral Pharmacology. Dean's Distinguished Lecture Series. College of Medicine, University of Kentucky.
- 40) Rush CR (May 23, 2008). Agonist Replacement Therapy for Stimulant Dependence: A Translational Analysis. Department of Psychiatry, University of Arkansas Medical Sciences, College of Medicine.
- 41) Rush CR (October 30, 2008). Agonist Replacement Therapy for Stimulant Dependence: A Translational Analysis. Department of Psychiatry, University of Massachusetts Medical School.
- 42) Rush CR (May 4, 2012). Agonist Replacement Therapy for Cocaine Dependence: A Translational Analysis. University at Buffalo, The State University of New York, Research Institute on Addictions, Buffalo, NY.
- 43) Rush CR (January 23, 2013). Treating Obesity — What Can It Tell Us About Identifying a Pharmacotherapy for Cocaine Dependence? Department of Psychiatry, College of Medicine, University of Kentucky, Lexington, KY.
- 44) Rush CR, Stoops WW (September 23, 2013). Modeling Treatment Interventions: Validating Clinical Laboratory Findings via Reverse Engineering. Paper present at the annual meeting of Behavior Change, Health, and Health Disparities, Department of Psychiatry, University of Vermont, Burlington, VT.
- 45) Rush CR, Stoops WW (January 16, 2014). Medications Development for Cocaine Abuse: What Works, What Should We Test, and How Should We Test It? Department of Psychiatry, Baylor University, College of Medicine, Houston, TX.

SYMPOSIA ORGANIZED

- 1) Rush CR (May, 1993). Human behavioral pharmacology of drug interactions. Symposium at the annual meeting of the Association for Behavior Analysis, Chicago, IL.
- 2) Rush CR (May, 1994). Behavioral pharmacology of oral cocaine. Symposium at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.
- 3) Rush CR (May, 1994). Operant procedures to assess pharmacological and non-pharmacological variables that influence remembering. Symposium at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.
- 4) Rush CR, Kamien JB (June 1997). Novel applications of human drug discrimination for understanding the effects of abused drugs. Symposium at annual meeting of the College on Problems of Drug Dependence, Nashville, TN.
- 5) Rush CR (August, 2006). Agonist pharmacotherapy for stimulant abuse and dependence: A viable option? Symposium at the annual meeting of the American Psychological Association (Division 28 [Psychopharmacology and Substance Abuse]), New Orleans, LA.

EXPERIMENTS IN PROGRESS

- 1) Bolin BL, Rush CR, Lile JA, Hays LR, Stoops WW. Reinforcing effects of intranasal cocaine: influence of *n*-acetylcysteine maintenance. (Behavioral Effects of Drugs [Inpatient]: 28; Study Coordinator)
- 2) Bolin BL, Stoops WW, Hays LR, Glaser PEA, Rush CR. Reinforcing effects of intranasal cocaine: influence of bupropion and naltrexone maintenance. (Behavioral Effects of Drugs [Inpatient]: 25; Study Manager)
- 3) Bolin BL, Stoops WW, Lile JA, Hays LR, Rush CR. Reinforcing effects of intranasal cocaine: influence of topiramate and phentermine maintenance. (Behavioral Effects of Drugs [Inpatient][27])
- 4) Bolin BL, Stoops WW, Rush CR. K99-R00 Behavioral task pilot studies. (Screening Protocol, Behavioral Science Pilot Funding)
- 5) Lile JA, Stoops WW, Hays LR, Glaser PE, Hatton KW. Influence of Dose and alternative reinforcer value on intravenous cocaine self-administration. (Behavioral Effects of Drugs [Inpatient]: 23)
- 6) Marks KR, Stoops WW, Rush CR. Attentional bias in the absence of an operant response (Screening Protocol)
- 7) Marks KR, Stoops WW, Rush CR. Cocaine and smoking cue attentional bias. (Screening Protocol)
- 8) Pike E, Stoops WW, Hays LR, Glaser PEA, Rush CR. Influence of cocaine on inhibitory control following cocaine images. (Behavioral Effects of Drugs [Inpatient]: 25, collected during medical safety day)
- 9) Pike E, Stoops WW, Rush CR. Training to improve inhibitory control and reduce cocaine use. (Behavioral Effects of Drugs [Outpatient]: 35)

- 10) Rush CR, Stoops WW, Lile JA and Hays LR. Influence of buspirone maintenance on the reinforcing effects of intranasal methamphetamine. (Behavioral Effects of Drugs [Inpatient]: 26).
- 11) Rush CR, Stoops WW, Lile JA and Hays LR. Influence of naltrexone, oxazepam and naltrexone plus oxazepam on the effects of intranasal methamphetamine. (behavioral effects of drugs [inpatient]: 16-04
- 12) Stoops WW, Lile JA, Hays LR and Rush CR. Safety and tolerability of cocaine during phendimetrazine maintenance (Behavioral Effects of Drugs [Inpatient]: 29)
- 13) Strickland JC, Bolin BL, Rush CR, Stoops WW, Influence of acute buspirone on physiological, self-reported, and impulsivity measures. (Behavioral Effects of Drugs [Outpatient]: 36)
- 14) Strickland JC, Stoops WW, Rush CR. Reward and punishment sensitivity in cocaine users and healthy controls. (Screening Protocol)

GRANT REVIEWS

- Ad Hoc Reviewer, Basic Behavioral Science Research Subcommittee, National Institutes of Health, National Institute on Drug Abuse (N.I.D.A.-D), June, 1998.
- Ad Hoc Reviewer, Medication Development Special Emphasis Panel (ZDA1-KXA-N-13), National Institutes of Health, National Institute on Drug Abuse (N.I.D.A.-D), October, 1998.
- Ad Hoc Reviewer, Medication Development Special Emphasis Panel (ZDA1-KXA-N-13), National Institutes of Health, National Institute on Drug Abuse (N.I.D.A.-D), February, 1999.
- Ad Hoc Reviewer, Medication Development Special Emphasis Panel (ZDA1-KXA-N-13), National Institutes of Health, National Institute on Drug Abuse (N.I.D.A.-D), June, 1999.
- Ad Hoc Reviewer, Behavioral and Biobehavioral Processes (ZRG1 BBBP-1 01), National Institutes of Health, July, 1999.
- Ad Hoc Reviewer, The Wellcome Trust, Joint Infrastructure Fund, September, 1999.
- Ad Hoc Reviewer, National Institute on Drug Abuse, National Institutes of Health, Cutting-Edge Basic Research Awards (CEBRA) (ZDA1 TXL-Q10), May, 2001.
- Ad Hoc Reviewer, National Institute on Drug Abuse Loan Repayment Plan, National Institutes on Drug Abuse, May, 2002.
- Member, Veteran's Administration (VA) Merit Review Subcommittee for Alcoholism, Drug Dependence, Anesthesia and Clinical Pharmacology (October, 2001- September, 2003).
- Member, Veteran's Administration (VA) Merit Review Subcommittee for Neurobiology (September, 2003 - March, 2004).
- Ad Hoc Reviewer, Medication Development Special Emphasis Panel (ZDA1-KXA-N-13), National Institutes of Health, National Institute on Drug Abuse (N.I.D.A.-D), October, 2002.
- Ad Hoc Reviewer, Behavioral and Biobehavioral Processes (Special Emphasis Panel, ZRG1 BBBP-2 02), National Institutes of Health, February, 2003.

- Ad Hoc Reviewer, National Institute on Drug Abuse (N.I.D.A.) Special Emphasis Panel, (ZDA1 KXA-N [22] [P]), Review of Request for Applications entitled *Centers of the Development of Medications to Treat Drug Dependence* (RFA: DA-04-003). National Institutes of Health, March, 2004.
- Ad Hoc Reviewer, Biobehavioral Regulation. Learning and Ethology (BRLE), National Institutes of Health, June, 2004.
- Ad Hoc Reviewer, National Institute on Drug Abuse (N.I.D.A.) Special Emphasis Panel, (ZDA1 KXA-N (14) (R)), Review of Request for Applications entitled *Medications Development for Cannabis-Related Disorders* (RFA-DA-04-014). National Institutes of Health, July, 2004.
- Ad Hoc Reviewer, National Institute on Drug Abuse, National Institutes of Health, Imaging – Science Track Award for Research Transition (I/START) (ZDA1 TXL-Q10), August, 2004.
- Member, Medication Development Research Subcommittee (N.I.D.A.-L), National Institutes of Health, National Institute on Drug Abuse, October 2004 – June 2008.
- Chair, National Institute on Drug Abuse (N.I.D.A.) Special Emphasis Panel (ZDA1 SXC-E 13), Review of Request for Applications entitled *Medications Development Centers of Excellence* (RFA: DA09-002). National Institutes of Health, March, 2009.
- Ad Hoc Reviewer, Center for Scientific Review, National Institutes of Health, Risk, Prevention and Intervention for Addictions (RPIA) (ZRG1 RPIA-K [09]), March, 2010.
- Ad Hoc Reviewer, Center for Scientific Review, National Institutes of Health, Risk, Prevention and Intervention for Addictions (RPIA) (ZRG1 RPHB-K [85]), June, 2010.
- Ad Hoc Reviewer, Center for Scientific Review, National Institutes of Health, Risk, Prevention and Intervention for Addictions (RPIA) (ZRG1 RPIA-K [09]), July, 2010.
- Ad Hoc Reviewer, Center for Scientific Review, National Institutes of Health, Risk, Prevention and Intervention for Addictions (RPIA) (ZRG1 RPIA-K [09]), October, 2010.
- Ad Hoc Reviewer, Pennsylvania Department of Health, January 2011.
- Ad Hoc Reviewer, Center for Scientific Review, National Institutes of Health, Risk, Prevention and Intervention for Addictions (RPIA) (ZRG1 RPIA-K [09]), February, 2011.
- Ad Hoc Reviewer, Center for Scientific Review, National Institutes of Health, Risk, Prevention and Intervention for Addictions (RPIA) (ZRG1 RPIA-K [09]), June, 2011.
- Member, Center for Scientific Review, National Institutes of Health, Risk, Prevention and Intervention for Addictions (RPIA) (ZRG1 RPIA-K [09]), July, 2011 – June, 2015.

JOURNAL EDITOR

- Asso. Editor (Behavioral Pharmacology), Drug and Alcohol Dependence (June, 2010 - Present).
- Guest Field Editor, International Journal of Neuropsychopharmacology (October, 2013).

EDITORIAL BOARDS

Behavioural Pharmacology (January, 2003 to December, 2008).

Experimental and Clinical Psychopharmacology (January, 2002 to December, 2005).

Journal of Psychopharmacology (September, 2014 to Present).

AD HOC REVIEWS

Addictions; Alcoholism: Clinical and Experimental Research; American Journal of Psychiatry; Archives of General Psychiatry; Behavioural Pharmacology; Brain Research, Brain Research Reviews, Clinical Neuropharmacology; CNS Drugs; Drug and Alcohol Dependence; Experimental and Clinical Psychopharmacology; European Journal of Pharmacology; Expert Opinion On Emerging Drugs; International Journal of Neuropsychopharmacology; JAMA; Journal of Behavioral Neuroscience; Journal of Clinical Psychopharmacology; Journal of Abnormal Psychology; Journal of Acquired Immune Deficiency Syndromes; Journal of the Experimental Analysis of Behavior; Journal of Psychopharmacology; Journal of Psychiatry and Neuroscience; Life Sciences; Pharmacology, Biochemistry and Behavior; Psychopharmacology; Substance Abuse Treatment, Prevention and Policy.

TEACHING EXPERIENCE

Undergraduate Courses Taught

- 1) Abnormal Psychology (Mater Dei College)
- 2) Introductory Psychology (Mater Dei College)
- 3) Adolescent Psychology (Empire State College)
- 4) Physiology and Pharmacology of Alcohol and Drugs (Mater Dei College)
- 5) Developmental Psychology (Mater Dei College and Empire State College)

Graduate and Medical Courses Taught

- 1) Rush CR, Beddingfield J (1996-1999). Case-based learning: Substance-related disorders (Diagnosis and Treatment). Junior Medical Student's Clerkship, Department of Psychiatry and Human Behavior, University of Mississippi Medical Center, Jackson, MS.
- 2) Zimmerman R, Schoenberg N, Rush CR (Fall, 1999). Behavioral Methods in the Medical Sciences (BSC 745). University of Kentucky, Department of Behavioral Science.
- 3) Rush CR (Fall, 1999, Spring 2000, Fall 2001, Spring 2002, Fall, 2003, Spring 2004). Patients, Physicians and Society (BSC 810). University of Kentucky, Department of Behavioral Science.
- 4) Rush CR (Fall, 2000, Spring 2001, Fall 2004, Spring 2005, Fall, 2005). Patients, Physicians and Society (BSC 820). University of Kentucky, Department of Behavioral Science.
- 5) Rush CR (Fall, 2000). Drugs of Abuse: Pharmacological, Behavioral, Clinical and Social Issues (BSC 772). University of Kentucky, Department of Behavioral Science.
- 6) Rush CR, Schoenberg N (Spring 2001; Spring 2003). Behavioral Methods in the Medical Sciences (BSC 745). University of Kentucky, Department of Behavioral Science.
- 7) Rush CR (Fall, 2004). Drug Abuse: A Behavioral Analysis (BSC 772). University of Kentucky, Department of Behavioral Science.

- 8) Rush CR (Fall, 2006). Drug Abuse: Contemporary Theories and Issues (BSC 772). University of Kentucky, Department of Behavioral Science.

Thesis and Dissertation Supervision

- 1) Posner NE (Spring, 1992). Behavioral and cardiovascular effects of caffeine: A reanalysis. College Honor Thesis, Department of Psychology, University of Vermont (Research Advisor).
- 2) Stoops WW (2001). Reinforcing and subject-rated effects of methylphenidate and d-amphetamine in drug-abusing volunteers. Masters Thesis, Department of Psychology, University of Kentucky (Chair).
- 3) Stoops WW (Spring, 2004). Human neuropharmacology of amphetamine: The role of dopamine. Doctoral Dissertation, Department of Psychology, University of Kentucky (Chair).
- 4) Vansickel AR (Fall, 2004). Effects of ADHD drugs and spontaneous smoking. Masters Thesis, Department of Psychology, University of Kentucky (Chair).
- 5) Vansickel AR (Fall, 2009). Agonist Replacement Medications for Methamphetamine Dependence: A Laboratory Analysis. Doctoral Dissertation, Department of Psychology, University of Kentucky (Chair).
- 6) Poole MM (Spring, 2009). Effects of methylphenidate on smoking reinforcement in humans. Masters Thesis, Department of Psychology, University of Kentucky (Chair).
- 7) Pike E (Spring, 2013). Reinforcing, subjective, and cognitive effects of methamphetamine during d-amphetamine maintenance. Masters Thesis, Department of Psychology, University of Kentucky (Chair).
- 8) Pike E (Spring, 2015). Inhibitory control in cocaine dependence. Doctoral Dissertation, Department of Psychology, University of Kentucky (Chair).
- 9) Marks KR (Spring, 2015). Attentional bias in cocaine dependence. Doctoral Dissertation, Department of Psychology, University of Kentucky (Chair).

Post-Doctoral Trainees

- Simpson, Cathy A, PhD (Presently Research Associate, Addictive Behaviors and Health Studies Group, Department of Health Behavior and Survey Research Unit, School of Public Health, University of Alabama at Birmingham, Birmingham, AL).
- Lile, Joshua A, PhD (Presently Associate Professor [Tenured], Department of Behavioral Science, College of Medicine, University of Kentucky, Lexington, KY)
- Stoops, William W, PhD (Presently Associate Professor [Tenured], Department of Behavioral Science, University of Kentucky, Lexington, KY)
- Sevak, Rajkumar J, PhD (Presently Assistant Research Pharmacologist, Step II, University of California at Los Angeles [UCLA], Los Angeles, CA).
- Bolin, Barrett Levi, PhD (Presently Post-Doctoral Fellow, Department of Behavioral Science, University of Kentucky, Lexington, KY)
- Alcorn, Joseph L, PhD (Presently Post-Doctoral Fellow, Department of Behavioral Science, University of Kentucky, Lexington, KY)

Reynolds, Anna R, PhD (Presently Post-Doctoral Fellow, Department of Behavioral Science, University of Kentucky, Lexington, KY)

Graduate Student Trainees

Stoops, William W, PhD (Presently Associate Professor [Tenured], Department of Behavioral Science, College of Medicine, University of Kentucky, Lexington, KY)

Vansickel, Andrea R, PhD (Presently Senior Research Scientist, Lancaster Laboratories)

Poole, Mégan M, MA (Presently Graduate Research Assistant, Department of Psychology and Department of Behavioral Science, University of Kentucky, Lexington, KY)

Pike, Erika, MA (Presently Graduate Research Assistant, Department of Psychology and Department of Behavioral Science, University of Kentucky, Lexington, KY)

Marks, Kathryn R, MA (Presently Graduate Research Assistant, Department of Psychology and Department of Behavioral Science, University of Kentucky, Lexington, KY)

Undergraduate Academic Advisement

Academic advisor to students majoring in liberal arts (Mater Dei College).

Institutional or College Committee Involvement

- 1) Institutional Review Board (University of Mississippi Medical Center)(October 1994 – June 1999).
- 2) Medical Institutional Review Board (University of Kentucky) (September 2000 - December 2013).
- 3) University Appeals Committee (University of Kentucky) (September 2014 - August 2017).
- 4) Medical Institutional Review Board (University of Kentucky)(January 2015 - Present).

PROFESSIONAL ORGANIZATIONS

- 1) American Psychological Association (APA)
 - Division 25 (Experimental Analysis of Behavior)
 - Division 28 (Psychopharmacology and Substance Abuse)
- 2) Association for Behavior Analysis (ABA)
- 3) Behavioral Pharmacology Society (BPS)
- 4) College on Problems of Drug Dependence (CPDD)
- 5) Society for Stimulus Properties of Drugs (SSPD)
- 6) Research Society on Alcohol (RSA)

SERVICE TO NATIONAL ORGANIZATIONS

- 1) Co-Program Chair, Behavioral Pharmacology and Toxicology Area. Association for Behavior Analysis (ABA), 1992 - 1993.
- 2) Executive Committee Member, American Psychological Association (APA), Division 28 (Psychopharmacology and Substance Abuse), 1996 - 1998.
- 3) Newsletter Editor, American Psychological Association (APA), Division 28 (Psychopharmacology and Substance Abuse), 1996 - 1999.
- 4) Reviewer for Symposia Submission for Annual Convention. American Psychological Association (APA), Division 28 (Psychopharmacology and Substance Abuse), 1997.
- 5) Reviewer for Symposia Submission for Annual Convention. American Psychological Association (APA), Division 28 (Psychopharmacology and Substance Abuse), 1999.
- 6) Membership Chair, American Psychological Association (APA), Division 28 (Psychopharmacology and Substance Abuse), 1999 - 2002.
- 7) New Fellows Chair, American Psychological Association (APA), Division 28 (Psychopharmacology and Substance Abuse), January 2003 – December 2003.
- 8) Member-at-Large (Elected), American Psychological Association (APA), Division 28 (Psychopharmacology and Substance Abuse), January 2004 – December 2007.

AWARDS AND HONORS

- 1) National Institute on Drug Abuse Travel Awardee (1991).
- 2) National Institute on Drug Abuse Travel Awardee (1993).
- 3) American College of Neuropsychopharmacology, Bristol-Myers Squibb Travel Award (1997).
- 4) Young Psychopharmacologist Award (1997) (American Psychological Association, Division 28 [Psychopharmacology and Substance Abuse]).
- 5) American Psychological Association (A.P.A.), Division 25 (Experimental Analysis of Behavior), Fellow Status Awarded 2000.
- 6) American Psychological Association (A.P.A.), Division 28 (Psychopharmacology and Substance Abuse), Fellow Status Awarded 2001.

PROFESSIONAL REFERENCES

- 1) Roland R. Griffiths, PhD, Professor, Departments of Behavioral Biology and Neuroscience, Johns Hopkins School of Medicine, Johns Hopkins University, 5510 Nathan Shock Drive, Baltimore, MD 21224 ([410] 550-0034).
- 2) Stephen T. Higgins, PhD, Professor, Departments of Psychiatry and Psychology, University of Vermont, Human Behavioral Pharmacology Laboratory, 38 Fletcher Place, Burlington, VT ([802] 656-9614).
- 3) John R. Hughes, MD, Professor, Departments of Psychiatry and Psychology, University of Vermont, Human Behavioral Pharmacology Laboratory, 38 Fletcher Place, Burlington, VT ([802] 660-3060).
- 4) Warren K. Bickel, PhD, Professor, Department of Psychiatry, University of Arkansas Medical Sciences, College of Medicine, 4301 W. Markham, St. 554, Little Rock, AK ([501] 526-7810).