
CURRICULUM VITA

CHANA K. AKINS

BIOGRAPHICAL DATA

Business Address:

Department of Psychology
University of Kentucky
Lexington, KY 40506-0044
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EDUCATIONAL BACKGROUND

<u>Undergraduate</u>		<u>Degree</u>	<u>Field of Study</u>
1982-1987	Texas Tech University Lubbock, Texas	B.S.	Animal Science
<u>Graduate</u>			
1987-1989	Texas Tech University Lubbock, Texas Graduate Adviser: Dr. John McGlone	M.S.	Animal Science
1989-1994	University of Texas Austin, Texas Graduate Advisor: Dr. Michael Domjan	Ph.D.	Experimental Psychology (Behavioral Neuroscience)

EMPLOYMENT

1990-1991	Research Assistant , National Institute of Mental Health Minority Supplement Grant, University of Texas
1991-1992	Academic Mentor and Tutor , Women's Athletic Department, University of Texas
1992-1993	Graduate Teaching Assistant (Behavioral Neuroscience & Introductory Psychology), Department of Psychology, University of Texas
1993-1994	Research Trainee , Neurobiology Training Grant, Departments of

Psychology and Zoology, University of Texas

- 1994 **Instructor** (Behavioral Neuroscience), Department of Psychology,
University of Texas
- 1994-1996 **Post-doctoral Fellow**, Department of Psychology, University of Kentucky
- 1996-2003 **Assistant Professor**, Department of Psychology, University of Kentucky
- 2003-2004 **Visiting Scholar**, Department of Psychology, Indiana University
- 2004-2010 **Associate Professor**, Department of Psychology, University of Kentucky
- 2011-present **Professor**, Department of Psychology, University of Kentucky
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FELLOWSHIPS, HONORS AND AWARDS

- 1989-1992 Graduate Opportunity Fellowship, University of Texas
- 1994-1996 Lyman T. Johnson Postdoctoral Fellowship, University of Kentucky
- 1996 Travel Fellowship for Minority Neuroscientists, Society for Neuroscience
- 1997 Faculty Summer Research Fellowship, University of Kentucky
- 1999 Nomination for Early Career Award (Animal Learning & Behavior Division),
American Psychological Association
- 2000 Special Faculty Summer Research Fellowship, University of Kentucky
- 2000 Finalist for the Chancellor's Award for Outstanding Teaching (Nontenured
category), University of Kentucky
- 2001 Faculty Summer Research Fellowship, University of Kentucky
- 2001 Finalist for the Chancellor's Award for Outstanding Teaching (Nontenured
category), University of Kentucky
- 2002 Top Ten Arts & Sciences Teacher, University of Kentucky
- 2004 Great Teacher Award for Outstanding Teaching, student-nominated; awarded by
the Alumni Association, University of Kentucky & the Commonwealth of
Kentucky

- 2005 Wethington Award, Recognition for Outstanding Contributions, College of Arts & Sciences, University of Kentucky
- 2005 Fellow Status: American Psychological Association, Div 6, Behavioral Neuroscience & Comparative Psychology
- 2007 Inaugural Class of Leadership Institute for Women in Psychology, American Psychological Association
- 2009 Fellow Status: American Psychological Association, Div 28, Psychopharmacology and Substance Abuse
- 2010 Faculty Mentor of the Year, Society for the Promotion of Undergraduate Research
- 2010 Outstanding Teaching Award, College of Arts & Sciences, University of Kentucky
- 2011 President-elect, American Psychological Association, Div 6
- 2011 Distinguished Service Award, American Psychological Association, Div 6
- 2011 Visiting Professor, Johns Hopkins University, Department of Psychology, Baltimore, MD
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RESEARCH SUPPORT

Internal Grants Awarded

- 1997-1998 Research Committee Grant: *Female Copying in Mate Choice Behavior*
Amount: \$3,108
- 1999-2000 Center for Ecology, Evolution, & Behavior: *Adaptive Function of Sexual Conditioning: DNA Paternity Tests* (Co-PI: Dave Westneat)
Amount: \$2,200
- 2002 Faculty Development Grant: *Using the Internet to Promote Active Learning in Large Classes*
(Co-PI's: Jonathan Golding, Rick Hoyle)
Amount: \$12,000
- 2006-2007 Major Research Project Award: *Deciphering the Relationship Between Drug Abuse and High-risk Sexual Behavior*
Amount: \$10,000

External Grants Awarded

- 1995-1997 NSF, Minority Research Planning Grant, IBN 9728756, PI, “Conditioned Response Topography of Sexual Behavior”
Total Direct Costs: \$18,000
- 1997-1999 NIMH, Minority Investigator Supplement, R01 MH55118-02S1, Co-Investigator (PI-Zentall), “Coding Processes in Animal Memory”
Total Direct Costs: \$41,048
- 1998-2000 National Science Foundation, Minority Career Advancement Award, IBN 9511656, PI, “Biological Mechanisms of Sex Reward”
Total Direct Costs: \$31,822
- 2001-2006 NIDA, KO1/Mentored Research Scientist Development Award, DA00508, PI, “A Visual Cue Model of Cocaine Reward”
Total Direct Costs: \$443,000
- 2007-2010 NIDA, R21, Exploratory/Developmental Research Grant, PI, DA019526
“Prenatal Cocaine Effects on Sexual Motivation”
Total Direct Costs: \$275,000

Current External Grants

- 2010-2016 NIDA, R01, PI DA022451-01A2
“Enhancement of Sexual Motivation”
Total Direct Costs: \$625,000
- 2011 NIDA, K02, PI (under review)

PEER-REVIEWED PUBLICATIONS (*graduate and **undergraduate students)

- 1) McGlone, J.J., Akins, C.K., & Morrow, J.L. (1988). Preliminary study on sexual behavior of socially dominant and subordinate boars in a seminatural environment. *Texas Journal of Agriculture and Natural Resources*, 2, 7-9.
- 2) Akins, C.K., & Thiessen, D.D. (1990). Lipopolysaccharide decreases ambient temperature preference in Mongolian gerbils, *Meriones Uniguiculatus*, *Perceptual and Motor Skills*, 71, 1177-1178.
- 3) Akins, C.K., Thiessen, D.D., & Cocke, R. (1991). Lipopolysaccharide increases ambient temperature preference in C57BL/6J adult mice. *Physiology & Behavior*, 50, 461-463.
- 4) McGlone, J.J., Akins, C.K., & Green, R.D. (1991). Genetic variation of sitting frequency and duration in pigs. *Applied Animal Behavior Science*, 30, 319-322.

- 5) Thiessen, D.D., Akins, C.K., & *Zalaquett, C. (1991). Exposure to odors from stressed conspecifics increases preference for higher ambient temperatures in C57BL/6J mice. *Journal of Chemical Ecology*, 17(8), 1611-1619.
- 6) Domjan, M., Akins, C.K., & *Vandergriff, D. (1992). Increased responding to female stimuli as a result of sexual experience: Role of instrumental contingencies and context conditioning. *Quarterly Journal of Experimental Psychology*, 45B(2), 139-157.
- 7) Crawford, L.L. & Akins, C.K. (1993). Stimulus control of copulatory behavior in male Japanese quail (*Coturnix coturnix japonica*). *Poultry Science*, 72, 722-727.
- 8) Akins, C.K., Domjan, M. & *Gutierrez, G. (1994). The topography of sexually conditioned behavior in male Japanese quail (*Coturnix japonica*) depends on the CS-US interval. *Journal of Experimental Psychology: Animal Behavior Processes*, 20(2), 199-209.
- 9) Crawford, L.L. & Akins, C.K., & Domjan, M. (1994). Stimulus control of copulatory behavior in sexually naive male Japanese quail: Effects of test context and stimulus movement. *Journal of Comparative Psychology*, 108(3), 252-261.
- 10) Akins, C.K. & Domjan, M. (1996). The topography of sexually conditioned behavior: Effects of a trace interval. *Quarterly Journal of Experimental Psychology*, 49B (4), 346-356.
- 11) Akins, C.K. & Zentall, T.R. (1996). Imitative learning in male Japanese quail using the two-action method. *Journal of Comparative Psychology*, 110(3), 316-320.
- 12) *Mace, D.D., Kraemer, P.J. & Akins, C.K. (1997). Conditioned place preference in 12 day-old Japanese quail. *Developmental Psychobiology*, 30, 245-254.
- 13) Akins, C.K., *Mace, D.D. & Kraemer, P.J. (1998). Temporal processing in Japanese quail (*Coturnix japonica*). *Bird Behavior*, 12, 91-96.
- 14) Akins, C.K. & Zentall, T.R. (1998). Imitation in Japanese quail: The role of demonstrator reinforcement. *Psychonomic Bulletin & Review*, 5(4), 694-697.
- 15) Akins, C.K. (1998). Conditioned excitation and modulation of sexual conditioning in male Japanese quail. *Animal Learning & Behavior* 26(4), 416-426.
- 16) *Levens, N. & Akins, C.K. (1999). Sign stimuli and the sexual behavior system: Learning in a Pavlovian conditioning paradigm. *Psychological Record*, 49, 579-588.
- 17) Akins, C.K. (2000). Constraints on the sexually conditioned response in male Japanese quail (*Coturnix japonica*): Effects of the CS and CS-US interval. *Learning and Motivation*, 31, 211-235.

- 18) *Levens, N., *Green, T., Akins, C.K., & Bardo, M.T. (2000). Dopamine D2 receptor binding in the brain of male Japanese quail (*Coturnix japonica*). *Neuroscience Letters*, 296, 77-80.
 - 19) *Levens, N. & Akins, C.K. (2001). Cocaine induces place preference and locomotor activity in male domesticated quail (*Coturnix japonica*). *Pharmacology, Biochemistry & Behavior*, 68(1), 71-80.
 - 20) Akins, C.K., *Bakondy, H., & *Levens, N. (2002). Mate choice copying in female domesticated quail (*Coturnix japonica*) using taxidermic models. *Behavioural Processes*, 58, 97-103.
 - 21) Akins, C.K., *Klein, E.D., & T.R. Zentall (2002). Imitative learning in Japanese quail (*Coturnix japonica*) using the bidirectional control procedure. *Animal Learning & Behavior*, 30(3), 275-281.
 - 22) Akins, C.K. (2003). Behavior Systems Approach: A better explanation for sexual conditioning studies. *Behavior Analyst Today*, 4(1), 5-13.
 - 23) Akins, C.K. (2004). The role of classical conditioning in sexual behavior: A comparative analysis of humans and nonhuman animals. *International Journal of Comparative Psychology*, 17, 241-262.
 - 24) Akins, C.K., *Levens, N., & **Prather, R., **Cooper, B., & **Fritz, T. (2004). Dose-dependent cocaine place conditioning and D1 dopamine antagonist effects in male Japanese quail. *Physiology & Behavior*, 82, 309-315.
 - 25) Troisi, J., & Akins, C.K. (2004). The discriminative stimulus effects of cocaine in a Pavlovian approach paradigm in male Japanese quail. *Experimental & Clinical Psychopharmacology*, 12(4), 237-242.
 - 26) *Levens, N., & Akins, C.K. (2004). Chronic cocaine pretreatment facilitates Pavlovian sexual conditioning in male Japanese quail. *Pharmacology, Biochemistry, & Behavior*, 79, 451-457.
 - 27) Sun, W., Akins, C.K., **Mattingly, A., & Rebec, G. (2005). Ionotropic glutamate receptors in the ventral tegmental area regulate cocaine-seeking behavior in rats. *Neuropsychopharmacology*, 30(11), 2073-2081. [Sabbatical collaboration]
 - 28) Akins, C.K., & *Levens, N. (2007). Sexual effects and drugs of abuse: Possible learning mechanisms. In: S.K. Turrini (Ed), Consciousness and Learning, Hauppauge, NY: Nova Science Publishers, pp. 79-95.
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- 29) *Geary, E.H. & Akins, C.K. (2007). Cocaine sensitization in male quail: temporal, conditioning, and dose-dependent characteristics. *Physiology & Behavior*, 90(5), 818-24.
 - 30) Akins, C.K. & *Geary, E.H. (2008). Cocaine-induced behavioral sensitization and conditioning in male Japanese quail. *Pharmacology, Biochemistry, & Behavior*, 88, 432-37.
 - 31) Akins, C.K., & *Levens, N. (2008). Sexual effects and drugs of abuse: Possible links through learning. Reprinted. *Journal of Drug Addiction, Education and Eradication*, 4(1/2), 169-185.
 - 32) *Bolin, B.L. & Akins, C.K. (2009). Chronic preexposure to methamphetamine decreases sexual motivation but not sexual performance in male Japanese quail. *Experimental and Clinical Psychopharmacology*, 17, 10-20.
 - 33) **Rosine, B.J., *Bolin, B.L. & Akins, C.K. (2009). Chronic methylphenidate cross-sensitizes methamphetamine in male Japanese quail. *Behavioural Pharmacology*, 20(4), 352-5.
 - 34) Domjan, M. & Akins, C.K. (In press). Applications of Pavlovian conditioning to sexual behavior and reproduction. In T. Schachtman & S. Reilly (Eds.), *Associative learning and conditioning theories: Human and non-human applications*. Oxford University Press.
 - 35) Akins, C.K. & Panicker, S. (In press). The ethics and regulations of research with non-human animals. In *APA Handbook of Research Methods in Psychology*. Washington DC; American Psychological Association
- *Bolin, B.L. & Akins, C.K. (In preparation). Methamphetamine alters the topography of the sexually conditioned response and impairs sexual performance in male Japanese quail.
- *Bolin, B.L., **Barnes, A., **Cornett, H., *Shinker, K., and Akins, C.K. (Under review). Combined low doses of nicotine and Adderall increase locomotor activity but do not result in a conditioned place preference in male Japanese quail. *Experimental and Clinical Psychopharmacology*.
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OTHER PUBLICATIONS

Edited Book:

Akins, C.K., Panicker, S., & Cunningham, C.(2005). *Conducting behavioral research and teaching with laboratory animals*. Washington, DC: American Psychological Association.

Invited Cyberbook Chapters:

Akins, C.K. & Burns, M. (2001). Visual control of sexual behavior. In R. Cook (Ed.), *Avian Visual Cognition*. {www.pigeon.psy.tufts.edu/avc }

Zentall, T.R., Akins, C.K. (2001). Imitation in animals: Evidence, functions, and mechanisms. In R. Cook (Ed.), *Avian Visual Cognition*. {www.pigeon.psy.tufts.edu/avc }

Research Profiles:

Akins, C.K. (Nov/Dec 2000). Sex, drugs, and classical conditioning. Psychological Science Agenda, American Psychological Association, 13(6), 8-10.

Akins, C.K. (2002). Sex, drugs, and associative learning. The Behavioral Neuroscientist and Comparative Psychologist, American Psychological Association, 17, 3, 5-7.

Published Abstracts:

Akins, C.K. & Levens, N. (2001). Development of a visual cue model for assessing cocaine reward. Drug and Alcohol Dependence, 63(1), S5.

Akins, C.K. & Levens, N. (2002). Facilitation of sexually conditioned behaviors in male Japanese quail following cocaine-induced increases in locomotor activity. Drug and Alcohol Dependence, 66(1), S4.

PRESENTATIONS (*graduate and **undergraduate students)

Invited Colloquia/Talks

- “The Nature of the Sexually Conditioned Response” Department of Psychology, University of Kentucky (February 1998)
- “Cocaine Reward in Birds: What’s Love Got To Do With It?” Colby College, Waterville, Maine (February 2000)
- “Sex, Drugs, and Visual Cues” University of Nebraska, Lincoln, Nebraska (February 2001)
- “The Role of Visual Cues in Sex and Drug Conditioning” Department of Psychology, University of Kentucky (February 2001)

- “A Decade of Research on Sexual Behavior: Links to Drug Addiction” Southwestern Psychological Association Invited Address, Memphis, Tennessee (March 2005)
- “Sex, drugs, and *Coturnix japonica*: The Effect of Drugs of Abuse on Motivation” Department of Psychology, Kansas State University, Manhattan, KS (February 2009)
- “Sex, drugs, and Pavlovian Associations: The Effect of Drugs on Sexual Motivation” Department of Psychology, Psychobiology Workshop Series, SUNY/Binghamton University, Binghamton, NY (April 2010)
- “Birds do it but are they a good model for studying substance abuse?” American Psychological Association Fellows Talk, Division 28, Washington, DC (August 2011)

Other Presentations

- Akins, C.K., & Domjan, M. (1991). Contextual control of sexual conditioning and sexual behavior. Paper presented at the Southwestern Psychological Association Meeting in New Orleans, LA.
- Akins, C.K., Domjan, M. & Gutierrez, G. (1992). Long-delay learning in a sexual conditioning paradigm. Paper presented at the Southwestern Psychological Association meeting in Austin, TX.
- Crawford, L.L., & Akins, C.K. (1992). Stimulus control of copulatory behavior in male Japanese quail. Presented at the Animal Behavior Society Annual meeting in Kingston, Ontario.
- Akins, C.K., & Domjan, M. (1993). Signaled delay of reinforcement in male Japanese quail. Presented at the American Psychological Association meeting in Chicago, IL.
- Akins, C.K., & Domjan, M. (1993). Male Japanese quail can learn sexual associations over long delays. Paper presented at the Southwestern Psychological Association meeting in Corpus Christi, TX.
- Akins, C.K., & Domjan, M. (1994). New explorations of sexually conditioned behavior in male Japanese quail. Paper presented at the International Conference on Comparative Cognition in Melbourne, FL.
- Akins, C.K. (1995) Contextual conditioning of sexual behavior in male Japanese quail. Presented at Psychonomic Society meeting in Los Angeles, CA.
- Akins, C.K. (1995). The nature of the sexual conditioned response in male Japanese quail. Paper presented at the Tri-state Conference on Animal Learning and Behavior in Columbus, OH.

- Akins, C.K., & Domjan, M. (1995). Trace versus delayed conditioning of sexual behavior in quail. Paper presented at the Midwestern Psychological Association meeting in Chicago, IL.
- *Robinet, P.M., Akins, C.K., *Dose, J.M., & Bardo, M.T. (1995). The effects of 6-OHDA lesions into the nucleus accumbens and A9/A10 cell body region on locomotor response to 7-OH-DPAT in rats. Presented at the Society for Neuroscience meeting in San Diego, CA.
- Akins, C.K. (1996). The modulatory role of context in sexual conditioning. Presented at the Psychonomic Society meeting in Chicago, IL.
- Akins, C.K. (1996). Context-US learning in the sexual behavior system of male Japanese quail (*Coturnix japonica*). Paper presented at the Midwestern Psychological Association meeting in Chicago, IL.
- Akins, C.K. (1996). Sex, learning and behavior symposium. Paper presented at the Winter Conference on Animal Learning in Winter Park, CO.
- *Mace, D., Akins, C.K., & Kraemer, P.J. (1996). Taste induced conditioned place preference in immature quail. Presented at the Midwestern Psychological Association meeting in Chicago, IL.
- *Robinet, P.M., Akins, C.K., **Goetz, C.R., *Dose, J.M. & Bardo, M.T. (1996). The effect of antagonist pretreatment on dopamine D3 receptor mediated rotation in 6-OHDA lesioned rats. Presented at the Society for Neuroscience meeting in Washington, D.C.
- Akins, C.K. (1997). Modulatory influences of context in the sexual conditioning of male Japanese quail. Paper presented at Midwestern Psychological Association meeting in Chicago, IL.
- Akins, C.K. (1997). Determining the nature of the sexually conditioned response. Paper presented at the International Conference on Comparative Cognition in Melbourne, FL.
- *Mace, D.D., Kraemer, P.J., & Akins, C.K. (1997). Duration matching-to-sample in Japanese quail. Paper presented at the Midwestern Psychological Association meeting in Chicago, IL.
- *Robinet, P.M., Akins, C.K., & Bardo, M.T. (1997). Dopamine D2/D3 receptor antagonism attenuates copulatory responses in male Japanese quail. Presented at Midwestern Psychological Association meeting in Chicago, IL.
- Akins, C.K. (1997). The nature of sexually conditioned behavior: CS relevance and CS-US interval determinants. Presented at the Psychonomic Society meeting in Philadelphia, PA.

- Akins, C.K. (1998). The nature of the sexually conditioned response: CS-US interval and CS feature parameters. Paper presented at the International Conference on Comparative Cognition in Melbourne, FL.
- Akins, C.K., *Heath, H., & **Bautista, M. (1998). CS and CS-US interval determinants of the nature of the sexually conditioned response. Presented at the Midwestern Psychological Association meeting in Chicago, IL.
- *Levens, N., & Akins, C.K. (1998). Sign stimuli and the sexual behavior system: Learning in a Pavlovian paradigm. Presented at the Midwestern Psychological Association meeting in Chicago, IL.
- Akins, C.K., & Zentall, T.R. (1998). True imitative behavior in male Japanese quail. Presented at the International Conference of Social Learning in Naples, Italy.
- *Levens, N., *Green, T.A., Akins, C.K., & Bardo, M.T. (1998). Localization of D2 dopamine receptors in male Japanese quail brain and locomotor response to cocaine. Presented at the Society for Neuroscience meeting in Los Angeles, CA.
- Akins, C.K. (1999). Drug reward and the localization of dopamine receptors in male domesticated quail (*Coturnix japonica*). Paper presented at the Winter Conference on Animal Learning in Winter Park, CO.
- *Levens, N., Akins, C.K., *Green, T.A., & Bardo, M.T. (1999). Cocaine-induced Conditioned Reward in male Japanese quail (*Coturnix japonica*). Paper presented at the Midwestern Psychological Association meeting in Chicago, IL.
- *Levens, N., & Akins, C.K. (1999). Cocaine induces CPP and increased locomotor behavior in male Japanese quail (*Coturnix japonica*). Paper presented at the Southwestern Psychological Association meeting in Albuquerque, N.M.
- Akins, C.K., & *Levens, N. (2000). The nature of the sexually conditioned response with tone versus light stimuli. Paper presented at the Comparative Conference on Cognition in Melbourne, FL.
- *Levens, N., & Akins, C.K. (2000). Cocaine induces CPP and locomotor sensitization in male Japanese quail (*Coturnix japonica*). Presented at Society for Neuroscience, New Orleans, LA.
- *Levens, N., *Minor, M., & Akins, C.K. (2000). Eticlopride potentiates cocaine-conditioned place preference but not sex-conditioned place preference in male Japanese quail (*Coturnix japonica*). Presented at the Midwestern Psychological Association in Chicago, IL.
- Akins, C.K. (2001). Development of a visual animal model of cocaine reward. Presented at the College for Problems on Drug Dependence in Scottsdale, AZ.

- *Levens, N., & Akins, C.K. (2001). Cocaine sensitization facilitates conditioned approach and copulatory behavior in male Japanese quail (*Coturnix japonica*). Presented at the Society for Neuroscience meeting in San Diego, C.A.
- *Levens, N., *Bakondy, H., & Akins, C.K. (2001). Female mate choice behavior with static models of Japanese quail (*Coturnix japonica*). Presented at the Midwestern Psychological Association in Chicago, IL.
- Akins, C.K., & *Levens, N. (2002). Development of a visual model for investigating drug mechanisms. Presented at the 50th Nebraska Symposium on Motivation: Motivational Factors in the Etiology of Drug Abuse in Lincoln, NE.
- *Levens, N., & Akins, C.K. (2002). Cocaine exposure facilitates conditioned approach and copulatory behavior in male Japanese quail (*Coturnix japonica*). Presented at the 50th Nebraska Symposium on Motivation: Motivational Factors in the Etiology of Drug Abuse in Lincoln, NE.
- Akins, C.K. & *Levens, N. (2002). Facilitation of sexually conditioned behaviors in male Japanese quail following cocaine-induced increases in locomotor activity. Presented at the College for Problems on Drug Dependence in Quebec, Canada.
- Akins, C.K., **Steger, C., & *Troisi, J. (2003). Cocaine serves as a discriminative cue for sexual reinforcement in male Japanese quail. Presented at the Winterpark Conference on Animal Learning & Behavior in Winterpark, CO.
- Akins, C.K. (2003). Modulatory effects of cocaine on sexual conditioning in male Japanese quail. Presented at the Pavlovian Society Meeting in Bloomington, IN.
- Akins, C.K. (2003). Cocaine-induced behavioral sensitization facilitates anticipatory and sexual behavior in male Japanese quail. Invited poster presentation for young investigators funded by NIDA at the NIDA mini-convention Society for Neuroscience meeting held in New Orleans, LA.
- Akins, C.K. & *Geary, E. (2005). Cocaine and sex: Mechanistic and neural overlap. Presented at the Winterpark Conference on Learning & Behavior in Winterpark, CO.
- *Geary, E. & Akins, C.K. (2005). Dose-dependent cocaine sensitization using a visual cue model. Presented at the Midwestern Psychological Association in Chicago, IL.
- Akins, C.K. & *Geary, E. (2007). Reinstatement of cocaine place conditioning by sexual reinforcement. Presented at the Pavlovian Society Meeting in Austin, TX.
- *Bolin, B.L. & Akins, C.K. (2008). Methamphetamine selectively impairs sexual motivation but not sexual performance in male Japanese quail. Presented at Midwestern Psychological Association in Chicago, IL.
- *Bolin, B.L. & Akins, C.K. (2008). Pre-exposure to methamphetamine impairs sexual

motivation but not sexual performance. Presented at College on Problems of Drug Dependence in San Juan, PR.

*Bolin, B.L., Bardo, M., & Akins, C.K. (2009). Methamphetamine impairs sexually conditioned approach in male Japanese quail. Presented at Society for Neuroscience Meeting in Chicago, IL.

*Bolin, B.L. & Akins, C.K. (2009). Methamphetamine impairs sexually conditioned approach but not sexual performance in male Japanese quail. Presented at the European Behavioural Pharmacology Society in Rome Italy.

**Cornett, H. & Akins, C.K. (2010). Conditioned place preference in a highly visual species: Do visual cues trigger Nicotine cravings? Presented at the Showcase of Undergraduate Scholars, University of Kentucky.

**Barnes, A. & Akins, C.K. (2010). The interaction between Adderall and Nicotine: The potential for addiction and implications. Presented at the Showcase of Undergraduate Scholars, University of Kentucky. [Won paper competition]

SERVICE

Departmental & University

- Special Awards & Teaching Committee (1996-1997)
- Awards & Admissions Committee (1997-1998)
- Clinical Area Faculty Search Committee (1998)
- Department Chair Search Committee (1998)
- Minority Affairs Committee (1998-1999)
- Neuroscience Day Poster Judge (2000)
- Microteach Group Leader (2000)
- Abstract reviewer for National Conference on Undergraduate Research (2000)
- Interim Behavioral Neuroscience & Psychopharmacology Area Coordinator (Fall, 2000)
- Psi Chi Faculty Advisor (1999-2001)
- College of Arts & Sciences Recruitment Video (2001)
- Special Awards & Teaching Committee (2002)
- Membership Coordinator, Kentucky Chapter of Society for Neuroscience (2002-2003)
- Coordinator, Kentucky Young Scientist Summer Program (2005-2007)
- Social Area Faculty Search Committee (2006-2007)
- Teaching Assistant Supervisor/Evaluator (2006-2010)
- Department of Psychology, Chair Search Committee (2009)
- Dean's Committee, College of Excellence, Teaching in 2020 (Summer 2010)
- Institutional Animal Care & Use Committee (IACUC) (2005-2010)
- Colloquium Committee (2006-2007), Chair (2007-present)
- Department of Psychology, Executive Committee (Advisory Committee to the Chair; 2010-present)

- College of Arts & Sciences Distinguished Teaching Award Committee (nontenured faculty; 2011)

Regional

- Outside examiner for Senior Honor's Thesis, Knox College, Galesburg, IL (2000)
- Kentucky Psychological Association, Psych Bowl Judge (2000)
- Midwestern Psychological Association, Program Committee, Reviewer (1997-2001)

National

- APA, Committee on Animal Research & Ethics, (2001-2005, Chair 2003-2004)
- APA, Division 6 Behavioral Neuroscience & Comparative, Secretary-Treasurer (2005-2009)
- APA, Committee on Division and APA Relations (2006-2009, Chair 2008-2009)
- APA, Central Programming Working Group (2009), ad hoc member
- APA, Division 28, Psychopharmacology and Substance Abuse, Awards Committee Chair (2010-present)
- APA, Division 6, President-elect (2011)

International

- Program Committee, 4th International Symposium on Imitation in Animals and Artifacts (2006)

EDITORIAL EXPERIENCE

- Associate Editor, *Psychology of Women Quarterly* (2009-2011)
- Consulting Editor, *Experimental and Clinical Psychopharmacology*, (2011-present)

AD-HOC REVIEW

Journals

- American Psychologist
- Brain, Behavior, and Evolution
- Cellular and Molecular Biology
- Experimental and Clinical Psychopharmacology*
- Hormones and Behavior
- International Journal of Comparative Psychology
- Journal of British Pharmacology
- Journal of Comparative Psychology
- Journal of Experimental Psychology: Animal Learning & Behavior
- Journal of Neuroscience Methods

- Journal of Psychopharmacology
- Learning & Behavior (formerly Animal Learning & Behavior)
- Learning & Memory
- Learning & Motivation
- Mexican Journal of Behavior Analysis
- Pharmacology, Biochemistry, and Behavior
- Physiology & Behavior*
- Proceedings of the Royal Society: Biological Sciences
- Psychonomic Bulletin & Review
- Psychopharmacology

* regular review of 2-3 manuscripts per year

Grant Review

- National Institute of Drug Abuse, Cutting Edge Basic Research Award (CEBRA) program (2004)
 - National Institute of Drug Abuse, Biobehavioral Regulation Learning and Ethology (BRLE) Study Section (temporary member June 2009-July 2010)
 - National Institute of Drug Abuse, Biobehavioral Regulation Learning and Ethology (BRLE) Study Section (standing member July 2010-June 2016)
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MEMBERSHIPS

- American Psychological Association
 - Division 3: Experimental Psychology
 - Division 6: Behavioral Neuroscience & Comparative Psychology (Fellow)
 - Division 28: Psychopharmacology (Fellow)
 - Division 35: Psychology for the Society of Women
 - Midwestern Psychological Association
 - Pavlovian Society
 - Psychonomic Society
 - Society for Neuroscience (Bluegrass Chapter)
 - Society for Neuroscience
 - Center for Ecology, Evolution, and Behavior (University)
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INSTRUCTION

Undergraduate Courses Taught

- Advanced topics in learning
- Advanced topics in motivation

- Animal behavior
- Behavioral neuroscience
- Behavioral neuroscience laboratory
- Brain and behavior
- Introductory psychology
- Learning & cognition

Graduate Courses Taught

- Problems in psychology: Directed readings in neuroscience (team taught)
- Proseminar in learning
- Proseminar in physiology psychology
- Topical seminar: Biology of motivation & reward
- Topical seminar: Evolutionary psychology

Special Topics of Interest

- Altruism
- Comparative psychology
- Drugs & behavior
- Hormones & behavior
- Sexual motivation and behavior
- Ethics

Honor's Thesis Undergraduate Students

- Bobbi Jo Rosine (2006-2007)
- Andrew Hancock (2007-2008)
- Katherine Perkins (2008-2009)
- Heather Cornett (2009-2010)
- Amanda Barnes (2009-2010)

Awards of Mentored Students

- University Research Challenge Trust Fund Fellowship– Neil Levens (2000)
- Bluegrass Commonwealth Research Travel Award – Neil Levens (2001)
- Departmental Graduate Assistant Teaching Award – Neil Levens (2001)
- University Research Challenge Trust Fund Fellowship – Emily Geary (2004)
- University Research Challenge Trust Fund Travel Award – Levi Bolin (2007)
- NIDA Trainee Fellowship – Levi Bolin (2009-2011)
- NIDA Travel Award for APA Convention – Levi Bolin (2010)
- Oswald Creativity Award for Undergraduate Research – Amanda Barnes (2010)
- University Research Challenge Trust Fund Fellowship – Levi Bolin (2011-2012)

Completed Master's Theses Supervised

2007 Levi Bolin, M.S. Thesis Title: “Pre-exposure to methamphetamine decreases sexual motivation but not sexual performance in male Japanese quail.”

2006 Emily Geary, M.S. Thesis Title: “Investigation of cocaine-induced locomotor activity: A visual cue approach.”

2000 Neil Levens, M.S. Thesis Title: “Cocaine increases locomotor activity and induces conditioned place preference in male Japanese quail.”

Completed Ph.D. Dissertations Supervised

2003 Neil Levens, Ph.D. Dissertation Title: "Sex and Drug Interactions in Male Japanese Quail: Incentive Sensitization and Dopaminergic Mechanisms."

Master’s Thesis Committees (*Chair)

Ben Abroms
Justin Bates
Jennifer Berry
*Levi Bolin
Tricia Clement
Brigette Dorrance
*Emily Geary
Rebecca Gilbertson
Cassandra Gipson
Thomas Green
Emily Klein
*Neil Levens
Derek Mace
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Nichole Neugebauer
Rachel Self
*Karin Gill
Katherine Smith
Andrea Vansickle

Dissertation Committees

Jennifer Berry
*Levi Bolin
Tricia Clement
Brigette Dorrance
Brenda Gerke
Thomas Green
*Neil Levens
Emily Klein
Derek Mace

Thomas McCarty (Biology)
Nichole Neugebauer
Rachel Self
Katherine Smith
Thomas Wooters
Andrea Vansickle