
CURRICULUM VITA

CHANA K. AKINS

BIOGRAPHICAL DATA

Business Address:

Department of Psychology
University of Kentucky
Lexington, KY 40506-0044
(606) 275-1103

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3933 Forest Green Drive
Lexington, KY 40517
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EDUCATIONAL BACKGROUND

Undergraduate

	<u>Degree</u>	<u>Field of Study</u>
1982-1987	Texas Tech University Lubbock, Texas	B.S. Animal Science

Graduate

1987-1989	Texas Tech University Lubbock, Texas Graduate Adviser: John McGlone	M.S. Animal Science
1989-1994	University of Texas Austin, Texas Graduate Advisor: 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
2003-present	Associate Professor , Department of Psychology, University of Kentucky

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
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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
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2007-2010 NIDA, R21, Exploratory/Developmental Research Grant, PI, R21 DA019526
“Prenatal Cocaine Effects on Sexual Motivation”
Total Direct Costs: \$275,000

External Grants Pending

2007 NIDA, R01, PI, “Enhancement of Sexual Motivation by Cocaine Preexposure”
(Scored 166; 21st percentile; 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., & Cocks, 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.
 - 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.
 - 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.
- Akins, C.K., Hancock, A., Bolin, B.L., and Harris, G. (In preparation). Prenatal exposure to cocaine alters chick detour learning and adult cocaine-induced locomotor activity.

Akins, C.K. (In preparation). The effect of stimulants on sexual motivation and conditioning. Invited chapter for Oxford University Press.

Bolin, B.L. & Akins, C.K. (In preparation). Methamphetamine induces behavioral tolerance but does not alter later sexual conditioning. To be submitted to *Pharmacology, Biochemistry, & Behavior*.

NON-PEER REVIEWED 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)
- Title TBA. Department of Psychology, Psychobiology Workshop Series, Binghamton University, Binghamton, NY (April 2010)

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 EBPS in Rome Italy.

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)
- Institutional Animal Care & Use Committee (IACUC) (2005-present)
- Teaching Assistant Supervisor/Evaluator (2006-present)
- Colloquium Committee (2006-2007), Chair (2007-present)

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

- American Psychological Association, Committee on Animal Research & Ethics, (2001-2005)
- American Psychological Association, Committee on Animal Research & Ethics, Chair (2003-2004)
- American Psychological Association, Division 6 Behavioral Neuroscience & Comparative, Secretary-Treasurer (2005-present)
- American Psychological Association, Committee on Division and APA Relations (2006-2009)
- American Psychological Association, Committee on Division and APA Relations, Co-Chair (2008-2009)
- American Psychological Association, Central Programming Working Group (2009-present), ad hoc member

International

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

AD-HOC REVIEW

Journals

- American Psychologist
- Cellular and Molecular Biology
- Experimental and Clinical Psychopharmacology
- 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 3-4 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) grant review panel (June 2009-present)

MEMBERSHIPS

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

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-present)
- Amanda Barnes (2009-present)

Awards of Mentored Graduate 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-present)

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

Ben Abrams
Jennifer Berry
Levi Bolin - Chair
Tricia Clement
Brigette Dorrance
Emily Geary – Chair
Rebecca Gilbertson
Cassandra Gipson
Thomas Green
Emily Klein
Neil Levens – Chair
Derek Mace
Emily Neimen
Nichole Neugebauer
Rachel Self
Karin Shinker - Chair
Katherine Smith
Andrea Vansickle

Dissertation Committees

Tricia Clement
Brigette Dorrance
Brenda Gerke
Thomas Green
Neil Levens - Chair
Emily Klein
Derek Mace
Thomas McCarty (Biology)
Nichole Neugebauer
Rachel Self
Katherine Smith
Thomas Wooters
Andrea Vansickle