

## CURRICULUM VITAE

**Chana K. Akins**

### Business Address:

Department of Psychology  
University of Kentucky  
Lexington, KY 40506-0044  
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Email: ckakin1@uky.edu

### EDUCATION

1983-1987 B.S. Texas Tech University, Lubbock, Texas  
1987-1989 M.S. Texas Tech University, Lubbock, Texas  
1989-1994 Ph.D. University of Texas, Austin, Texas  
1994-1996 Postdoctoral Fellow, University of Kentucky, Lexington, KY

### ACADEMIC POSITIONS

1990-1991 **Research Assistant**, National Institute of Mental Health, Univ of Texas  
1991-1992 **Academic Mentor and Tutor**, Women's Athletic Department,  
University of Texas  
1992-1993 **Graduate Teaching Assistant**, Dept of Psychology, University of Texas  
1993-1994 **Research Trainee**, Neurobiology Training Grant, University of Texas  
Fall 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  
2011-2012 **Visiting Professor**, Department of Psychological & Brain Sciences, Johns  
Hopkins University, Baltimore, MD  
2019-2022 **Assistant Provost**, Office for Faculty Advancement, Univ of Kentucky  
2021-2023 **Director**, Women's Executive Leadership Development (WELD)  
program, University of Kentucky  
2022-2023 **Interim Chair**, Department of Psychology, University of Kentucky  
2011-present **Professor**, Department of Psychology, University of Kentucky

### LEADERSHIP DEVELOPMENT

2007 Leadership Institute for Women in Psychology (Inaugural Class), American  
Psychological Association  
2016 Academic Leadership Academy (ALA), Bluegrass Higher Education Consortium  
2017 Women's Executive Leadership Development (WELD), University of Kentucky  
2018 American Council on Education (ACE), Fellow  
2019 Humanity Academy Graduate, University of Kentucky

## OTHER HONORS AND AWARDS

- 1994-1996 Lyman T. Johnson Postdoctoral Fellowship, University of Kentucky  
2005 Fellow Status: American Psychological Association, Div 6, Behavioral Neuroscience & Comparative Psychology  
2009 Fellow Status: American Psychological Association, Div 28, Psychopharmacology and Substance Abuse  
2011 Distinguished Service Award, American Psychological Association, Div 6  
2022 Midwestern Psychological Association Fellow

## SUMMARY OF SCHOLARSHIP

### SELECTED REFEREED PUBLICATIONS (*Out of a total of 54*)

(\*graduate and \*\*undergraduate students)

- 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.
- \*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.
- 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.
- 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.
- 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.
- 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.
- \*Levens, N., & **Akins, C.K.** (2004). Chronic cocaine pretreatment facilitates Pavlovian sexual conditioning in male Japanese quail. *Pharmacology, Biochemistry, & Behavior*, *79*, 451-457.
- \*Geary, E.H. & **Akins, C.K.** (2007). Cocaine sensitization in male quail: temporal, conditioning, and dose-dependent characteristics. *Physiology & Behavior*, *90*(5), 818-24.
- Akins, C.K.** & \*Geary, E.H. (2008). Cocaine-induced behavioral sensitization and conditioning in male Japanese quail. *Pharmacology, Biochemistry, & Behavior*, *88*, 432-37.
- \*\*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.
- \*Bolin, B.L. & **Akins, C.K.** (2012). Chronic pre-exposure to methamphetamine following 31 days of withdrawal impairs sexual performance but not sexual conditioning in male Japanese quail. *Behavioural Processes*, *91*(2), 177-83.
- \*Bolin, B.L., \*\*Cornett, H.L., \*\*Barnes, A.F., \*Gill, K.E., & **Akins, C.K.** (2012). Nicotine induces a conditioned place preference in male Japanese quail (*Coturnix japonica*). *Physiology & Behavior*, *107*, 364-367.

- \*Bolin, B.L., \*\*Singleton, D.L., & **Akins, C.K.** (2014). Pavlovian discriminative stimulus effects of methamphetamine in male Japanese quail (*Coturnix japonica*). *Journal of Experimental Analysis of Behavior*, 102(1), 126-38.
- \*Gill, K.E., \*Rice, B.A., & **Akins, C.K.** (2015). Cocaine induces state-dependent learning of sexual conditioning in male Japanese quail. *Physiology and Behavior*, 138, 150-153.
- \*Gill, K.E., Madison, F.N., & **Akins C.K.** (2015). Cocaine-induced sensitization correlates with testosterone in male Japanese quail but not with estradiol in female Japanese quail. *Hormones and Behavior*, 67, 21-27.
- \*Gill, K.E., \*Reynolds, A.R., Prendergast, M.A., & **Akins, C.K.** (2016). Female Japanese quail with high levels of estradiol demonstrate cocaine-induced conditioned place preference. *Experimental & Clinical Psychopharmacology*, 24(3), 185-92.
- \*Rice, B.A., \*Tariq, R., & **Akins, C.K.** (2017). Intramuscular route of administration increases potency in eliciting cocaine-induced behavioral sensitization. *Current Psychopharmacology*, 6(1), 36-42.
- Akins, C.K.**, \*Gill, K.E., \*Reinhardt, E., and \*Bolin, B.L. (2017). Cocaine increases resistance to extinction of sexual conditioning in male Japanese quail. *Learning & Behavior*, 45(3), 313-322.
- \*Rice, B.A., \*Eaton, S.E., Prendergast, M.A., & **Akins, C.K.** (2018). A glucocorticoid receptor antagonist reduces sign-tracking behavior in male Japanese quail. *Experimental & Clinical Psychopharmacology*, 26(4), 329-334.
- \*Rice, B.A., \*Eaton, S.E., Prendergast, M.A., & **Akins, C.K.** (2018). Effects of a stress hormone antagonist in reducing drug addiction behaviors. *Experimental & Clinical Psychopharmacology*, 26(4), 329-334.
- Akins, C.K.** (2018). Novel flexibility of social learning in dog puppies. *Learning & Behavior*, 46(4), 331-332.
- \*Rice, B.A., Saunders, M.A., \*Jagiello-Miller, J.E., Prendergast, M.A., & **Akins, C.K.** (2019). Repeated subcutaneous administration of PT150 has dose-dependent effects on sign tracking in male Japanese quail. *Experimental & Clinical Psychopharmacology*, 27(6), 515-521.
- \*Eaton, S.E., Pauly, J.R., Hopkins, D.M., **Akins, C.K.** (2021). Autoradiographic localization of [3H]-Nisoxetine binding sites in the CNS of male and female Japanese quail. *Journal of Basic and Applied Zoology*, 39, 82.
- \*Eaton SE, \*Jagiello-Miller JE, Prendergast MA, **Akins CK.** (2022). Sex differences in alcohol dehydrogenase levels (ADH) and blood ethanol concentration (BEC) in Japanese quail. *Poultry Science*, 101(5), 101790.
- \*Eaton, S.E., Dzhala, S., Robinson, L.E., Radevski, M.E., & **Akins, C.K.** (2023). Ethanol incudes a dose-dependent conditioned place preference and conditioned place aversion in Japanese quail. *Experimental & Clinical Psychopharmacology*, 31(1), 1-6.
- \*Radevski, M.E., Prendergast, M.A., Bardo, M.T., & **Akins, C.K.** (2023). PT150 Blocks the Rewarding Properties of Ethanol and Attenuates Ethanol-induced Reduction of Egg Laying in Coturnix Quail. *Psychopharmacology*, 240(2), 295-301.
- \*Radevski, M.E., \*\*Marty, J.L., Weafer, J., Strickland, J., & **Akins, C.K.** (Submitted for review). Alcohol beverage stimuli reduce inhibitory control in heavy drinkers but not light drinkers using a crowdsourcing platform. *Psychopharmacology*.

**CO-EDITED BOOK**

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

**BOOK CHAPTERS**

**Akins, C.K.** & Panicker, S. (2011). The ethics and regulations of research with non-human animals. In *APA Handbook of Research Methods in Psychology*. Washington DC; American Psychological Association

Domjan, M. & **Akins, C.K.** (2011). 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.

Panicker, S., **Akins, C.K.**, & Rice, B.A. (In Press). The ethics and regulations of research with non-human animals. In *APA Handbook of Research Methods in Psychology, Second Edition*. Washington DC; American Psychological Association

**BOOK**

**Akins, C.K.** & Rice, B.A. (In Production). *A Brainy Book about Neurons and Beyond*. Austin Macauley Publishers LLC.

**SELECTED INVITED TALKS (Others include 80+ posters and presentations with students)**

- Psychobiology Workshop Series, SUNY/Binghamton University, Binghamton, NY (2010)
- American Psychological Association Fellows Talk, Division 28, Washington, DC (2011)
- B.F. Skinner Lecture, Association for Behavior Analysis International, Minneapolis, MN (2013).
- International Society of Comparative Psychology, Bogota, Colombia (2014).
- “Mentoring Graduate and Professional Students”, International Conference of Social Sciences & Interdisciplinary Studies, London, UK (2017)
- “Diversifying the Faculty at Trinity University”, Trinity University, San Antonio, TX (2018)
- Invited Address, Women’s Executive Leadership Development (WELD) program, University of Kentucky (2019)
- “Faculty Success and Mentoring”, Chair’s Academy, University of Kentucky (2021)
- “Faculty Success and Mentoring”, Building Interdisciplinary Research Careers in Women’s Health (BIRCWH), University of Kentucky (2021)

**JOURNAL AND GRANT REVIEW**

- **Associate Editor**, *Psychology of Women Quarterly* (2009-2011)
- **Consulting Editor**, *Experimental and Clinical Psychopharmacology* (2011-2014)
- **Editorial Board**, *Psychology of Addictive Behaviors* (2014-2020)
- **Editorial Board**, *Learning and Behavior* (2014-2017)
- **Interim Associate Editor**, *Learning and Behavior* (2017-2018)
- Center for Scientific Review, Biobehavioral Regulation Learning and Ethology (BRLE) **Study Section, National Institutes of Health** (2009-2016)
- **Guest Editor**, *Behavioral Sciences* (2023-2024)

### **AD HOC JOURNAL REVIEW**

*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; Learning & Memory; Learning & Motivation; Mexican Journal of Behavior Analysis; Pharmacology, Biochemistry, and Behavior; Physiology & Behavior; Plos One; Proceedings of the Royal Society: Biological Sciences; Poultry Science; Psychonomic Bulletin & Review; Psychopharmacology*

### **EXTRAMURAL GRANT ACTIVITY**

1995-1997 NSF, Minority Research Planning Grant, IBN 9728756, "Conditioned Response Topography of Sexual Behavior" Direct Costs: \$18,000 (Role: PI)  
1997-1999 NIMH, Minority Investigator Supplement, R01 MH55118-02S1, (PI-Zentall), "Coding Processes in Animal Memory" Direct Costs: \$41,048 (Role: Co-I)  
1998-2000 NSF, Minority Career Advancement Award, IBN 9511656, "Biological Mechanisms of Sex Reward" Direct Costs: \$31,822 (Role: PI)  
2001-2006 NIDA, K01/Mentored Research Scientist Development Award, DA00508, "A Visual Cue Model of Cocaine Reward" Direct Costs: \$443,000 (Role: PI)  
2007-2010 NIDA, R21, Exploratory/Developmental Research Grant, DA019526, "Prenatal Cocaine Effects on Sexual Motivation" Direct Costs: \$275,000 (Role: PI)  
2010-2016 NIDA, R01, DA022451-01A2, "Enhancement of Sexual Motivation" Direct Costs: \$625,000 (Role: PI)

### **SERVICE TO THE UNIVERSITY AND PROFESSION**

#### **DEPARTMENT AND COLLEGE LEVEL**

- 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)
- Associate Chair, Department of Psychology (2012-2014)

- Chair's Executive Committee, Department of Psychology (2010-2018)
- Personnel Committee for Reviewing FMERs, Department of Psychology (2015-2018, 2020)
- College of A&S Mentoring Committee (Spring 2020)
- Chair's Executive Committee, Department of Psychology (2020-2022)
- Interim Chair, Department of Psychology (2022-2023)

#### *UNIVERSITY LEVEL*

- Institutional Animal Care & Use Committee (IACUC) (2005-2010), Ad hoc (2015-2017)
- Colloquium Committee (2006-2007), Chair (2007-2011)
- Distinguished Teaching Award Committee (2011)
- Undergraduate Council, College of Arts & Sciences (2014-2017)
- Dean's Executive Committee (2014-2017; Chair 2016-2017)
- Faculty-Staff Collegiality Committee (Co-Chair 2015-2017)
- Academic Area Advisory Committee for the Social Sciences (2015-2017)
- Nationally Competitive Awards, Advisory Board (2016-2018)
- African/African American/Native American Affinity Group Co-Chair (2020-2022)
- LTJ Postdoctoral Fellows Navigator, Vice President of Research Office (2020-2022)
- Substance Use Research Event, Planning Committee, University of Kentucky (2021-2022)

#### *SERVICE TO THE PROFESSION*

##### *American Psychological Association (APA)*

- Chair, Committee on Animal Research & Ethics (2003-2004)
- Secretary-Treasurer, Division 6, Behavioral Neuroscience & Comparative (2005-2009)
- Co-Chair, Committee on Division and APA Relations (2006-2009)
- Chair, Committee on Division and APA Relations (2008-2009)
- Awards Committee Chair, Div. 28, Psychopharmacology & Substance Abuse, (2010-2012)
- President, Division 6, Behavioral Neuroscience & Comparative, (2012-2013)
- Membership Committee Co-Chair, Division 6, (2014-2015)
- Member-at-Large, Division 6, Behavioral Neuroscience & Comparative (2014-2017)
- Member, Fellows Committee (2018-2021)
- Scientific Awards Committee (2023-2026)

#### **SUMMARY OF TEACHING**

##### *EXPERIENCE AND COURSEWORK*

- Fall 1994      **Instructor**, Department of Psychology, University of Texas, Austin, Texas  
Course: *Advanced Behavioral Neuroscience*
- 1996-present      **Assistant/Associate/Professor**, Department of Psychology, University of Kentucky (Teaching Load 2:2 up to 2019)  
Courses: *Advanced lecture/lab on learning (regular and honors), advanced lecture/lab on behavioral neuroscience, animal behavior, biology of violence, brain and behavior, evolutionary psychology, introductory psychology, learning & cognition; graduate proseminars in learning, physiological psychology, evolutionary psychology, sensation & perception*

### *TEACHING/MENTORINGS AWARDS*

2002	Top Ten Arts & Sciences Teacher, University of Kentucky
2010	Faculty Mentor of the Year, Society for the Promotion of Undergraduate Research
2010	Outstanding Teaching Award, College of Arts & Sciences, University of Kentucky
2013	Provost Outstanding Teacher Award, University of Kentucky
2016	Contribution to Undergraduate Education Award, Department of Psychology, University of Kentucky

### **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)
- Joshua Shouse (2013-2014)
- Emily Edmiston (2014-2015)
- Destiny Singleton (2015-2016)
- Alyssa Williams (2020-2021; Lewis Honor's College)
- Jessica Marty (2021-2022)

### **Awards & Honors of Mentored Students**

\*graduate students      \*\*undergraduate 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, 2011, 2012)
- 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 – \*Karin Gill (2013)
- University Research Challenge Trust Fund Travel Award – \*BethAnn Rice (2013-2018)
- Lyman T. Johnson Fellowship – \*BethAnn Rice (2013-2016)
- Outstanding Teaching Assistant Award – \*BethAnn Rice (2015)
- Behavior, Biology, and Chemistry Conference Pre-doctoral Poster Presentation Award in Translational Research of Addiction – \*BethAnn Rice (2017, 2018)
- Robert Lipman Research Fellowship – \*BethAnn Rice (2016-2018)
- NIDA T32 Fellowship – \*BethAnn Rice (2016-2018)
- NIAAA T32 Fellowship – \*Shannon Eaton (2019-2021)
- Robert Lipman Research Fellowship – \*Shannon Eaton (2019-2020)
- SUPRA (Substance Use Priority Research Area) Super Student Grant Award – \*Shannon Eaton and \*\*Svetlana Dzhala (2020-2021)
- Cognitive Neuroscience Graduate Student Award – \*Shannon Eaton (2021)

- SUPRA Graduate/Professional Student Grant Award – \*Mia Radevski (2021-2022)
- APA Science Student Council – Mia Radevski (2022-present)
- Violence Against Women Research Fellowship – Mia Radevski (Spring 2024)

### **Completed Master's Theses Supervised**

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

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

2008 Levi Bolin, M.S. Thesis Title: “Pre-exposure to methamphetamine decreases sexual motivation but not sexual performance in male Japanese quail.”

2009 Karin Gill, M.S. Thesis Title: Sex differences in cocaine-induced behavioral sensitization and conditioned place preference in Japanese quail (*Coturnix japonica*).

2014 BethAnn Rice, M.S. Thesis Title: Development of an avian model for identifying individual differences in drug vulnerability.

2018 Shannon Eaton, M.S. Thesis Title: The effect of early life photoperiod manipulation on cocaine-induced behavioral sensitization in male and female Japanese quail.

2022 Mia Radevski, M.S. Thesis Title: Blocking the acquisition of ethanol-induced place preference with 11, 21-Bisphenyl-19-Norpregnane (PT150) in *Coturnix* 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."

2012 Levi Bolin, PhD. Dissertation Title: "A novel model of Methamphetamine drug discrimination in male Japanese quail (*Coturnix japonica*)."

2014 Karin Gill, PhD. Dissertation Title: "Cocaine-induced behavioral sensitization and conditioned place preference in Japanese quail: A focus on sex differences and Dopaminergic mechanisms."

2018 BethAnn Rice, PhD. Dissertation Title: “Characterizing the role of glucocorticoids in sign tracking behavior of male Japanese quail (*Coturnix japonica*).”

2021 Shannon Eaton, PhD. Dissertation Title: “Pharmacokinetics and reward-related behaviors of ethanol in male and female Japanese quail (*Coturnix japonica*).”



**Master's Thesis Committees (\*Chair)**

Ben Abrams  
Justin Bates  
Jennifer Berry  
\*Levi Bolin  
Tricia Clement  
Brigette Dorrance  
\*Emily Geary  
Rebecca Gilbertson  
\*Karin Gill  
Cassandra Gipson  
Thomas Green  
Bree Humberg  
Emily Klein  
\*Neil Levens  
Derek Mace  
Emily Neimen  
Nichole Neugebauer  
\*Mia Radevski  
\*BethAnn Rice  
Rachel Self  
Trinity Shaver  
Katherine Smith  
Andrea Vansickle

**Dissertation Committees (\*Chair)**

Justin Bates  
Jennifer Berry  
Tanja Bibbs (Education)  
\*Levi Bolin  
Tricia Clement  
Brigette Dorrance  
\*Shannon Eaton  
Brenda Gerke  
\*Karin Gill  
Thomas Green  
Andrew Hawkey  
\*Neil Levens  
Emily Klein  
Derek Mace  
Thomas McCarty (Biology)  
Nichole Neugebauer  
\*Beth Ann Rice  
Rachel Self  
Katherine Smith  
Thomas Wooters

Andrea Vansickle

**Former and Current Graduate Students**

Levi Bolin (Clinical Science Liaison, Millennium Health)

Shannon Eaton (Lecturer, Arizona State University)

Karin Gill (Tenured Associate Professor, Centre College)

Neil Levens (Instructor, University of South Carolina)

Mia Radevski (Current Doctoral student)

Beth Ann Rice (Tenured Associate Professor, Slippery Rock University)