

KARIN ELIZABETH GILL, Ph.D.



Associate Professor of Behavioral Neuroscience
Centre College
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EDUCATION

Ph.D. Experimental Psychology (2015)
Behavioral Neuroscience & Psychopharmacology
University of Kentucky
Lexington, KY
Advisor: Chana K. Akins, Ph.D.
Dissertation Committee: Drs. Chana Akins, Susan Barron, Kimberly Nixon (outside examiner), Mark Prendergast, & David Westneat

Graduate Certificate (2013)
College Teaching & Learning
University of Kentucky
Lexington, KY

M.S. Experimental Psychology (2011)
Behavioral Neuroscience & Psychopharmacology
University of Kentucky
Lexington, KY
Advisor: Chana K. Akins, Ph.D.
Thesis Committee: Drs. Chana Akins, Mike Bardo, & Susan Barron

B.S. Psychology (2005)
Minors: Biology, Sociology
University of North Carolina at Charlotte
Charlotte, NC

PROFESSIONAL EXPERIENCE

2022-Present
Associate Professor
Behavioral Neuroscience Program
Centre College

2015-2016
Visiting Assistant Professor
Behavioral Neuroscience Program
Centre College

08/2014 – 12/2014
Adjunct Instructor
Eastern Kentucky University
Department of Psychology

2016-2022
Tenure-Track Assistant Professor
Behavioral Neuroscience Program
Centre College

2009-2015
Teaching Assistant/Research Assistant
University of Kentucky
Laboratory of Dr. Chana K. Akins
Teaching Assistant for Drs. Andrea Friedrich, Ray Archer, Chana Akins, Hui Chu, & Lynda Sharrett

TEACHING EXPERIENCE

Centre College

PSY 110: Introduction to Psychology	F15, S16, F16, F18, Sum24
PSY 110L: Introduction to Psychology Laboratory	F15, S16, F16, F18, S22
BNS 210: Experimental Design: Behavioral Neuroscience	S17, S18, S19, F19, S20, F20, S21, F21, S22, S23, F23
PSY 295: Physiological Psychology	F15, S16, S17, F17, S18, S19
PSY 305: The Psychology of Learning	F20
PSY 305L: The Psychology of Learning Laboratory	F16, F17, F18, F19, F20
PSY 350/351: Advanced Research Topics	F17, F19, S21, S23
BNS 360: Drugs, Brain, and Behavior	F21, S23, F23
BNS 380: Behavioral Neuroendocrinology	F16, F18, S20, S21, S22, F23

Eastern Kentucky University

PSY 200: Introductory Psychology	F14 (two sections)
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University of Kentucky

PSY 100L: Introduction to Psychology Laboratory	F13 (four sections), F14 (two sections)
PSY 215L: Experimental Psychology Laboratory	F10 (two sections), S14 (two sections)
PSY 311: Learning & Cognition	S15
PSY 312: Brain and Behavior	Sum13
PSY 456L: Behavioral Neuroscience Laboratory	F12 (two sections)

PUBLICATIONS (*denotes undergraduate student)

Gill, K.E., *McGarrigle, W.J., *Neel, A.I., *Tonto, D.O., & *Greenleaf, K.L. (2022). D2 receptor antagonism enhances cocaine-induced behavioral sensitization in female, but not male Japanese quail. *Behavioural Pharmacology*, 33(5), 355-363. doi: 10.1097/FBP.0000000000000686

Akins, C.K., Bolin, B.L., & **Gill, K.E.** (2017). Cocaine pre-exposure enhances sexual conditioning and increases resistance to extinction in male Japanese quail. *Learning & Behavior*, 45 (3), 313-322.

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), 185-192.

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 & Behavior*, 67, 21-27. doi:10.1016/j.yhbeh.2014.11.006

Gill, K.E., Rice, B.A., & Akins, C.K. (2015). Cocaine induces state-dependent learning of sexual conditioning in male Japanese quail. *Physiology & Behavior*, 138, 150-153. doi:10.1016/j.physbeh.2014.10.020

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 (3), 364-367. doi:10.1016/j.physbeh.2012.08.005

INVITED TALKS

Gill, K.E. (April, 2021) *It's Not Rocket Science: Breaking Down Complex Material through Memorable Activities*. Talk presented in the Teaching in the Behavioral Sciences with Activities and Laboratory Experiments Symposium at the Midwestern Psychological Association annual convention, Chicago, IL, virtual presentation.

CONFERENCE PRESENTATIONS (*denotes undergraduate student)

International Presentations

Gill, K.E., *Chatfield, L., *Mead, E., & *Ridener, E. (May 2023). *Estradiol increases cocaine-induced locomotor activity in male but not in female Japanese quail*. Poster presented at the Organization for the Study of Sex Differences annual meeting, Calgary, Alberta, Canada.

National & Regional Presentations

*Samonds, M., *Silvert, E., *Melvin, C., *Rodriguez, I., *Bostoganashvili, A., **Gill, K.E.** (April 2024). *Estradiol affects cocaine-induced locomotor activity differently by sex in Japanese quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL.

*Chatfield, L., *Mead, E., & **Gill, K.E.** (April 2022). *Effects of estradiol on cocaine-induced locomotor activity in male Japanese quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL.

*Neel, A.I., *Roberts, B., *Cochran, K., *Haering, K., & **Gill, K.E.** (April 2021). *The role of the 5-HT_{2A} receptor in cocaine-induced locomotor sensitization in Japanese Quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL, virtual event.

*Neel, A.I., *Roberts, B., *Maddux, Z., *Stone, E., & **Gill, K.E.** (April 2021). *Hormonal control of alcohol-induced aggression in male Japanese Quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL, virtual event.

*Neel, A.I., *Greenleaf, K., *Tonto, D., & **Gill, K.E.** (November 2020) *D2 Receptor Antagonism Affects Cocaine-Induced Behavior Sensitization in Japanese Quail*. Oral presentation at the Kentucky Academy of Science (KAS) annual meeting, virtual event. (*1st place student competition winner – Physiology/Biochemistry Division*)

*Neel, A.I., *Greenleaf, K., & **Gill, K.E.** (April 2020) *D2 Receptor Antagonism Affects Cocaine-Induced Behavioral Sensitization in Japanese Quail*. Poster accepted for the Midwestern Psychological Association annual convention, Chicago, IL. **Cancelled due to COVID-19**

*Maddux, Z., *Stone, E., *Roberts, B. & **Gill, K.E.** (April 2020) *Hormonal Control of Alcohol-Induced Aggression in Male Japanese Quail*. Poster accepted for the Psi Chi section at the Midwestern Psychological Association annual convention, Chicago, IL. **Cancelled due to COVID-19**

*Neel, A.I., *Greenleaf, K., *Tonto, D., & **Gill, K.E.** (April 2019) *D2 Receptor Antagonism on Cocaine-Induced Locomotion in Japanese Quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL.

*Robbins, Y., *Smith, H., *Vance, D., & **Gill, K.E.** (April 2018) *The Effects of Gonadal Sex Hormones on Cocaine Reward in Female Japanese quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL.

*Dickman, L., *McGarrigle, W., *Scrogam, C., & **Gill, K.E.** (April 2018) *Cocaine-Induced Locomotor Activity and Sensitization in Japanese quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL.

Eaton, S.E., **Gill, K.E.**, & Akins, C.K. (June 2017) *Estradiol Mediates Cocaine-Induced Locomotion in Japanese quail*. Poster presented at the annual Society for Behavioral Neuroendocrinology convention, Long Beach, CA.

Gill, K.E., *Edmiston E.A., & Akins, C.K. (March 2015). *Cocaine-induced Locomotor Activity and Conditioned Place Preference in Female Japanese Quail*. Poster presented at the annual Bluegrass Society for Neuroscience Spring Neuroscience Day, Lexington, KY.

*Edmiston, E., **Gill, K.E.**, & Akins, C.K. (April 2014). *Sex Differences in Cocaine-Induced Sensitization in Japanese Quail*. Poster presented at the National Conference on Undergraduate Research convention, Lexington, KY.

Gill, K.E. & Akins, C.K. (June 2013). *Effects of Photocastration in Cocaine Sensitization between Male and Female Japanese Quail (Coturnix japonica)*. Poster presented at the annual Society for Behavioral Neuroendocrinology convention, Atlanta, GA.

Gill, K.E. & Akins, C.K. (May 2013). *Sex Differences in Behavioral Sensitization to Cocaine in Japanese quail*. Poster presented at the Midwestern Psychological Association annual convention, Chicago, IL.

Gill, K.E. & Akins, C.K. (April 2013). *Sex Differences in the Locomotor-Enhancing Effects of Cocaine in Japanese quail*. Poster presented at the annual Bluegrass Society for Neuroscience Spring Neuroscience Day, Lexington, KY.

Gill, K.E., Bolin, B.L., & Akins, C.K. (August 2012). *Sex Differences in Behavioral Sensitization to Cocaine in Japanese quail*. Poster presented at the American Psychological Association annual convention, Orlando, FL.

Gill, K.E., Bolin, B.L., & Akins, C.K. (November 2011). *Sex Differences in Behavioral Sensitization to Cocaine in Japanese quail*. Poster presented at the Society for Neuroscience annual meeting, Washington, D.C.

Gill, K.E., Bolin, B.L., & Akins, C.K. (March 2011). *Sex Differences in Behavioral Sensitization to Cocaine in Japanese quail*. Poster presented at the annual Bluegrass Society for Neuroscience Spring Neuroscience Day, Lexington, KY.

STUDENT RESEARCH MENTORSHIP/TRAINING

Centre College

2023-Present	Anna Bostoganashvili, 2026 undeclared
2023-Present	Indy Rodriguez, 2025 BNS Major
2023-Present	Claire Melvin, 2024 BNS Major
2023-Present	Molly Samonds, 2024 BNS Major
2023	Skylan Thompson, 2023 BNS Major
2022-Present	Emma Silvert, 2025 BIO Major

2021-2023 Emma Ridener, 2023 BNS Major
 2021-2022 Lauren Chatfield, 2023 BNS Major
 2021-2022 Alexandria Coffin, 2022 BNS Major
 2021-2022 Elsie Mead, 2022 BNS Major
 2020-2021 Kylie Cochran, 2021 BNS Major
 2020-2021 Katy Haering, 2021 BNS Major
 2019-2021 Breanna Roberts, 2021 BNS Major
 2019-2020 Zena Maddux, 2020 BNS Major
 2019-2020 Emily Stone, 2020 BNS Major
 2019 Neha Rao, 2019 BNS major
 2018-2021 Anna “Izzy” Neel, 2021 BNS Major
 2018-2020 Kat Greenleaf, 2020 BNS major
 2018-2019 Derrick Osei Wiafe Tonto, 2019 BNS major
 2018-2019 Claire Samuels, 2019 PSY major
 2017-2019 Lillie Dickman, 2019 BNS major
 2017-2019 Dayera Vance, 2019 BNS major
 2017-2018 Shain Mays, 2018 BNS major
 2017-2018 Elijah Rue, 2019 BNS major
 2016-2018 Yanisa Robbins, 2018 BNS major
 2016-2018 Hudson Smith, 2018 PSY major
 2016-2018 William McGarrigle, 2018 BNS major
 2016-2018 Caleb Scrogham, 2018 BNS major
 2015-2016 Kayla Morris, 2016 BNS major, co-mentored with Dr. Brian Cusato

University of Kentucky

2014-2015 Lucas Nyerges, 2017 PSY major
 2013-2015 Emily Edmiston, 2015 PSY & Neuroscience major
 2012-2014 Joshua Shouse, 2014 PSY & Neuroscience major
 2012-2013 Charlie Deese, 2014 PSY major
 2012-2013 Aaron Barr, 2014 PSY major
 2010-2011 Patrick Young, 2011 PSY major
 2009-2010 David Arndt, 2010 PSY major

COLLABORATIVE WORK WITH CENTRE STUDENTS

Grants

Summer 2023 FDC Faculty Research, Emma Silvert (2025 BIO major) and Anna Bostoganashvili (2026 intended BNS major)
 Kentucky West Virginia Alliance for Minority Participation LSAMP, Indy Rodriguez (2025, BNS major)
 Project Titled: *The Effect of Estrogen on the Rewarding Properties of Cocaine in Male and Female Japanese quail*

Summer 2021 FDC Faculty Research, Lauren Chatfield (2023, BNS major) and Elsie Mead (2022, BNS major)
 Project titled, *The effect of estradiol and testosterone on cocaine-induced behavioral sensitization in male Japanese quail.*

- Summer 2018 FDC Faculty Research, Kat Greenleaf (2020, BNS major) and Anna “Izzy” Neel (2021 undeclared)
 Kentucky West Virginia Alliance for Minority Participation LSAMP, Derrick Osei Wiafe Tonto (2019, BNS major)
 Project titled, *Hormonal control of alcohol-induced aggression in male Japanese quail.*
- Summer 2017 FDC Faculty Research, Yanisa Robbins (2018 BNS major) and Hudson Smith (2018 PSY major)
 Kentucky West Virginia Alliance for Minority Participation LSAMP, Dayera Vance (2019 BNS major)
 Project titled, *Cocaine-induced locomotor activity and conditioned place preference in male and female Japanese quail.*

Internships

- CentreTerm 2024 Anna Bostoganashvili, Clinical Science Intern, Eristavi National Centre of Surgery
- Spring 2023 Skylan Thompson, Genetic Counselling Intern at CHI Saint Joseph Health
- Spring 2022 Lauren Chatfield, Title IX Intern at the Centre College Title IX Office
- CentreTerm 2022 Will Leonberger, “Jail to Job” Intern at the Shepard’s House
- CentreTerm 2022 Pranay Mupparaju, TMS Therapy Intern at the Nashville Center for Hope and Healing
- Fall 2021 Lily Andersen, Speech & Language Pathology Intern at Wilderness Trace
- Spring 2021 Jill Nofziger, Virtual Learning & Memory Intern at the University of Dublin
- Spring 2021 Lily Murphy, Substance Abuse Intern at New Vista
- CentreTerm 2021 Kylie Cochran, Orthopedics Practice Intern at Orthopaedics Associates of Kentuckiana
- CentreTerm 2021 Emily Doyle, Allergy Clinic Intern at Ellis & Badenhausen
- CentreTerm 2021 Brooks Owen, TMS Therapy Intern at the Nashville Center for Hope and Healing
- Summer 2020 Lauren Robinson, Internal & Nutritional Medicine Intern at Remedy Wellness
- CentreTerm 2020 Kylie Cochran, Hospital Administration Intern at Ephraim McDowell Medical Center
- CentreTerm 2020 Jordan Sigal, Athletic Training Intern at Centre College
- CentreTerm 2020 Caroline Stallings, Speech-Language Pathology Intern at Kentucky School for the Deaf
- Fall 2019 Anna “Izzy” Neel, Drug/Alcohol Research Intern at University of Kentucky
- Spring 2019 Lillie Dickman, Physical Therapy Intern at Danville Orthopedics and Sports Medicine
- CentreTerm 2019 Hannah Bandura, CASA Intern at CASA of the Bluegrass
- CentreTerm 2019 Lauren Robinson, Foundation Intern at Trilogy Health Services
- CentreTerm 2018 Sierra Panting, Medical Intern at Ephraim McDowell
- Summer 2018 Natalie Miskofsky-Forester, Law Firm Intern at Miller, Griffin, and Marks

RICE Presentations

Bozdech, E., Fleeman, AG, Jamison, A., & Perello, M. (April 2023). *The Effects of Social Media on the Psychological Markers of Stress*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY

Silvert, E. & Thompson, S. (April 2023). *The Effects of Estrogen and Cocaine in Male Japanese quail*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY

Melvin, C., Ridener, E., & Samonds, M. (April 2023) *Examining the Role of Estrogen and Cocaine in Locomotor Activity in Male Japanese quail*. Oral presentation at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Coffin, A. & Ridener, E. (April 2022). *Examining the Role of Estrogen (E2) and Cocaine in Conditioned Place Preference in Japanese Quail*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Cochran, K. & Haering, K. (April 2021) *Examining the Role of Risperidone in Dopaminergic and Serotonergic Mechanisms Underlying Cocaine-Induced Sensitization in Japanese quail*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Neel, A.I. & Roberts, B. (April 2021) *Hormonal Control of Alcohol-Induced Aggression in Male Japanese quail*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Dickman, L., Samuels, C., & Rao N. (April 2019) *The Role of Epinephrine in Enhancing Rewarding Behavior of Cocaine in Japanese quail*. Oral presentation at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Vance, D., Neel, A.I., Tonto, D.O. (April 2019) *The Effects of Gonadal Sex Hormones on Cocaine Reward in Female Japanese quail*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Robbins, Y. & Smith, H. (April 2017). *The Effects of Estradiol and Progesterone on the Rewarding Properties of Cocaine in Female Japanese quail*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Scrogam, C. & McGarrigle, W. (April 2017) *Cocaine-induced locomotor activity, sensitization, and dopaminergic activity in Japanese quail*. Oral presentation at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

Morris, K. (April 2016). *Effect of Sex in Nicotine Reinforcement in Japanese quail (Coturnix japonica)*. Poster presented at the annual RICE (Research-Internships-Creative Endeavors) Symposium, Centre College, Danville, KY.

SERVICE FOR CENTRE COLLEGE

Elected Committee Member

Faculty Development Division III Representative	2022-2025, 2019-2020
College Council Division III Representative	2016-2019

Appointed Committee Chair

Undergraduate Research, Co-Chair with Dr. Karoline Manny	2021-2023
Undergraduate Research, Co-Chair with Dr. Eva Cadavid	2019-2021
BNS 2-yr Visiting Search, hired Dr. Genevieve Bell	2019-2020
Undergraduate Research, Co-Chair with Dr. Amy Frederick	2018-2019

Appointed Committee Member

The RICE Committee	2023-Present
Institutional Animal Care and Use	2020 (Spring), 2018 (Spring)
Division III Safety	2020-2021, 2017-2019
Undergraduate Research	2017-2018
PSY Visiting Search, hired Dr. Drew Morris	2018 (Spring)
Enrollment Management	2016-2017

Additional Service

Faculty Mentor for Dr. Jennifer Cain (1 yr. Visiting in Biology)	2023-2024
RICE Oral Session Moderator	Apr. 2023
UGR Convocation Organizer: Alumni Panel on the impact of UGR	Apr. 2023, 2022
Convocation Organizer: What it takes to save a life with Amy Anness	Mar. 2022
Division III Summer Symposium Co-Organizer	Summer 2021, 2019
Convocation/Faculty Workshop Co-Organizer: UGR with Dr. Jenny Shanahan	Apr. 2021
CCPD Emerging Professionals Series, Research Internships Panelist	Sept. 2023, 2022, 2021, 2020, 2019, 2018
Organizer for UGR Faculty Luncheon Conversation	Nov. 2019
Interviewer for Lincoln Scholars Finalists	Apr. 2019
BNS/PSY Program Flyers	Sept. 2018, Sept. 2017
SPARK Diversity Fishbowl Panelist	May 2018
RICE Oral Session 2D Moderator	Apr. 2017
Convocation Organizer: Opiate Epidemic with Dr. Hiram Polk	Oct. 2017
Open House Faculty/Staff Reception, BNS/PSY representative	May 2018, Mar. 2017
Meet the BNS/PSY Faculty Night	Nov. 2018, Mar. 2018, Mar. 2017, Mar. 2016

PROFESSIONAL ACTIVITIES

Independent Contractor for the American Psychological Association

Fall 2023	Created book ancillary content to support instructor teaching and student learning for the textbook, Robert F. Bornstein, <i>Elements of Personality: Discovering Connections</i> .
Spring 2023	Created book ancillary content to support instructor teaching and student learning for the textbook, Michael Domjan and Andrew R. Delamater, <i>The Essentials of Conditioning and Learning, Fifth Edition</i> .

External Reviews

2023	Indiana University Southeast	Neuroscience Major and Minor
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Additional Activities

Nov. 2023	Invited Speaker for the Preparing Future Faculty Graduate Teaching Certificate Program at the University of Kentucky (panel on small liberal arts colleges)
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Predoctoral Service at the University of Kentucky

Graduate Student Handbook Development Committee	Fall 2014
Teaching Introductory Psychology Development Group	Fall 2014
Brownbag Coordinator	2010-2011

AWARDS, HONORS, & PROFESSIONAL RECOGNITION

2023-2025	Centre Scholar Award
2023	Louis Stokes Alliance for Minority Participation (LSAMP) Grant Program (Indy Rodriguez)
2023	Centre College FDC Faculty Research Grant (Anna Bostoganashvili, Emma Silvert)
2022	Honor Walk Talent Recipient (Elsie Mead)
2021	Centre College FDC Faculty Research Grant (Elsie Mead, Lauren Chatfield)
2021	Honor Walk Talent Recipient (Kylie Cochran, Anna “Izzy” Neel, Lauren Robinson)
2020	Kentucky Academy of Science Meeting – November 2020 <i>Izzy Neel - Student Competition 1st place winner in the Physiology/Biochemistry Division</i>
2019	Centre College FDC Faculty Research Grant
2019	Honor Walk Talent Recipient (Dayera Vance)
2018	Kresge Grant for new lab equipment (\$11,132)
2018	Honor Walk Talent Recipient (Shain Mays, Yanisa Robbins, Hudson Smith)
2018	Centre College FDC Faculty Research Grant (Kat Greenleaf, Anna “Izzy” Neel)
2018	Louis Stokes Alliance for Minority Participation (LSAMP) Grant Program (Derrick Tonto)
2017	Centre College FDC Faculty Research Grant (Yanisa Robbins, Hudson Smith)
2017	Louis Stokes Alliance for Minority Participation (LSAMP) Grant Program (Dayera Vance)
2013	Research Challenge Trust Fellowship (RCTF)
2013	Research Challenge Trust Fellowship Travel Award (RCTF)
2011	Research Challenge Trust Fellowship Travel Award (RCTF)
2004	Best Research Project, <i>Gender Differences and Acceptable Behavior in Romantic Relationships among College Students.</i>

HONOR SOCIETIES

2016 (inducted)	Nu Rho Psi
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SCIENTIFIC SOCIETIES

2021-Present	KY Branch of the American Association of Laboratory Animal Science
2019-Present	Faculty for Undergraduate Neuroscience (FUN)
2017–Present	Organization for the Study of Sex Differences (OSSD)
2016–Present	Kentucky Academy of Science (KAS)
2013–Present	Society for Behavioral Neuroendocrinology (SBN)
2013–Present	Midwestern Psychological Association (MPA)
2014–2015	American Psychological Association – Div 28 (APA)
2009–2015	Bluegrass Chapter Society for Neuroscience (BGSFN)

ADDITIONAL COMMUNITY SERVICE

2016-2020	Fundraiser Committee Member – Versailles Montessori School
2018-2020	Woodford County Girl Scout Troop 5805 Parent Volunteer
2004	Winston-Salem/Forsyth County Humane Society Volunteer