
Jennifer R Peterson

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Curriculum Vitae

Education

PhD., Experimental Psychology, Behavioral Neuroscience, 2013
Texas Christian University, Fort Worth, TX 76129

M.S., Experimental Psychology, 2010
Texas Christian University, Fort Worth, TX 76129

M.S., Experimental Psychology, 2008
Emporia State University, Emporia, KS 66801

B. A., Psychology with honors, May 2005
Wichita State University, Wichita, KS 67272

Teaching and Research

- Post Doctoral Research Fellow (August 2013 - Present)
Kansas State University, Manhattan Kansas
Reward, Timing, and Decision Laboratory
- Adjunct Instructor (October 2014 - December 2014)
Kansas State University, Manhattan Kansas
Brain and Behavior
- Adjunct Instructor (August 2012 – July 2013)
Columbia College, Fort Worth Texas
Statistics for the Behavioral and Natural Sciences
Research Design
Social Psychology
Neuroscience
Developmental Psychology
- Graduate Teaching Assistant (August 2008-August 2013)
Texas Christian University, Fort Worth Texas
General Psychology teaching assistant, POB Lab instructor, Behavioral Research
Writing Lab instructor, Psychopharmacology teaching assistant
- Graduate Teaching Assistant (August 2007 - May 2008)
Emporia State University, Department of Psychology
Full responsibility for 3 sections of Introduction to Psychology (PY100)
One section of Developmental Psychology (PY212)
- Graduate Teaching Assistant (October 2006 - August 2007)
Emporia State University, Reading & Academic Success Center

Special Training

- April 2015 - National Science Foundation workshop, Science: Becoming the Messenger
- September 2014 - Grant Writing 101 - Office of Research and Sponsored Programs, Kansas State University
- July 2013 - Professional Development Online Teaching Certification - The Koehler Center for Teaching Excellence, Texas Christian University
- November 2012 - Professional Development Pedagogy Certification – The Koehler Center for Teaching Excellence, Texas Christian University
- April 2012 - Principles of Rodent Surgery, Anesthesia, Analgesia & Peri-operative Care Seminar– University of North Texas Health Sciences Center, Department of Laboratory Animal Medicine
- April 2012 - Rat Biotechnology Workshop – University of North Texas Health Sciences Center, Department of Laboratory Animal Medicine
- April 2012 - Rodent Surgery Hands on Workshop– University of North Texas Health Sciences Center, Department of Laboratory Animal Medicine
- July 2007 - Med-Associates Inc. training courses
“Running Basic MED-PC Programs: An Introduction to MEDLAB 8” and “An Introduction to Behavioral Research Protocol Programming: Getting Started with MED PC”
- August 2004 - September 2006 Wichita State University, Child & Family Research Lab:
Assisted in the development of coding system for Relational Aggression Research

Publications

Peterson, J. R., & Kirkpatrick, K. (in preparation. a). A reverse fading intervention for improving delay tolerance and self-control.

Peterson, J. R., & Kirkpatrick, K. (in preparation.b). You can teach old rats new tricks: Time based interventions in an aged rat sample.

Peterson, J. R., Hill, C. C., Stuebing, S., Marshall, A. T., & Kirkpatrick, K. (in preparation.c.)I can't wait: Methods for measuring and moderating individual differences in impulsive choice. Journal of Agricultural and Food Industrial Organization.

Hill, C. C., Lott, J., Marshall, A. T., **Peterson, J. R.**, Triplett, A., Wang, Z., & Kirkpatrick, K. (in preparation). The trouble with the (discounting) curve.

Smith, A. P., **Peterson, J. R.**, & Kirkpatrick, K. (in preparation). Reward contrast effects on impulsive choice and timing behavior in rats.

Peterson, J. R., Hill, C. C., & Kirkpatrick, K. (2015). Measurement of impulsive choice in rats: Same and alternate form test-retest reliability and temporal tracking. *Journal of the Experimental Analysis of Behavior*, 103(1), 166-179. doi: 10.1002/jeab.124

Peterson, J. R., Urbano, C. M., & Cooper, B. G. (in preparation). Familiar handlers elicit higher frequency ultrasonic vocalizations in female Long Evans rats.

Peterson, J. R., & Cooper, B. G. (in preparation). Redefining middle age: Timing of age-related vocal changes and the impact of sexual experience on ultrasonic vocalizations in male rats.

Urbano, C.M., **Peterson, J.R.**, & Cooper, B.G. (2013). Exploring vocal recovery after cranial nerve injury in Bengalese finches. *Neuroscience Letters*, 534, 112 – 116.

Peterson, J. R., Watts, C. R., Morris, J. A., Shelton, J. M., & Cooper, B. G. (2012). Laryngeal aging and acoustic changes in ultrasonic vocalizations in the Long Evans male rat. *Developmental Psychobiology*. DOI: 10.1002/dev.21072

Secora, K. R., **Peterson, J. R.**, Urbano, C. M., Chung, B., Okanoya, K., & Cooper, B. G. (2012). Syringeal specialization of song production in the Bengalese finch. *PLOS One*, 7(3), 1-15.

Presentations

Peterson, J. R. & Kirkpatrick, K. (2015). A time-based intervention to promote self-control in middle-aged rats. Oral presentation given at the spring Meeting of the International Conference on Comparative Cognition, Melbourne, FL

Peterson, J. R. , Hill, C., & Kirkpatrick K. (2014). The role of timing processes in three different impulsive choice procedures. Poster presentation at the meeting of Society for Neuroscience in Washington, D.C.

Peterson, J. R. , Hill, C., & Kirkpatrick K. (2014). Measurement of impulsive choice in rats: II. Test-retest reliability. Poster presentation at the spring Meeting of the International Conference on Comparative Cognition, Melbourne, FL.

Hill, C., **Peterson, J. R.**, & Kirkpatrick, K. (2014). Measurement of impulsive choice in rats: I. Preliminary assessment. Poster presentation at the spring Meeting of the International Conference on Comparative Cognition, Melbourne, FL.

Peterson, J. R. & Cooper, B. G. (2013). Repeated testing and maturation, but not sexual experience, affects the acoustic features of ultrasonic vocalizations in young male Long Evans rats. Poster presentation at the 2013 meeting of Society for Neuroscience in San Diego, California.

- Taylor, J. O., **Peterson, J. R.** & Cooper, B. G. (2013). Social buffering through intermittent interactions in conspecific triads. Poster presentation at the 2013 meeting of Society for Neuroscience in San Diego, California.
- Peterson, J. R.**, & Cooper, B. G. (2012). A longitudinal analysis of age-related acoustic alterations of ultrasonic vocalizations in male Long Evans rats. Poster presentation at the 2012 meeting of Society for Neuroscience in New Orleans, LA.
- Peterson, J. R.**, Urbano, C. M., Slaughter, C., & Cooper B. G. (2011). Long-term heterospecific social memory in female Long Evans rats. Poster presentation at the 2011 meeting of Society for Neuroscience in Washington, D.C.
- Urbano, C. M., **Peterson, J. R.**, & Cooper, B. G. (2011). Lateralized constraints guide, but do not limit, song restructuring in Bengalese finches. Poster presentation at the 2011 meeting of Society for Neuroscience in Washington, D. C.
- Peterson, J. R.**, Watts, C., & Cooper, B. G. (2010). Acoustic and temporal changes of ultrasonic vocalizations in aged Long Evans Rats. Presented at the 2010 meeting of Society for Neuroscience in San Diego, California.
- Secora, K. R., **Peterson, J. R.**, Chung, B., & Cooper, B.G. (2010). Syringeal lateralization of song production in the Bengalese finch. Presented at the 2010 meeting of Society for Neuroscience in San Diego, California.
- Peterson, J. R.**, Loris, C., Russo, S., & Cooper, B. (2010). Ultrasonic vocalizations: An index of social interest and frustration in aged rats? Presented at the 2010 annual meeting of the Southwestern Psychological Association. Dallas, TX.
- Miller, T. M., Brown, M. K., Ball, J. A., **Peterson, J. R.**, Bennett, B. C., Rea, C. P., & Grover, C. A. (2009). The effects of nicotine pretreatment on anxiety and reward in female rats. Poster presentation at the annual meeting of the Southwestern Psychological Association, San Antonio, TX.
- Ball, J. A., Brown, M. K., Miller, T. M., **Peterson, J. R.**, Bennett, B. C., Fishburn, C., & Grover, C. A. (2009). The effect of environment on spatial learning in rats. Poster presentation at the annual meeting of the Southwestern Psychological Association, San Antonio, TX.
- Peterson, J. R.**, Sones, J. R., Miller, T. M., Bennett, B. C., Brown, M. K., Ball, J. A., & Grover, C. A. (2008). Effects of sleep deprivation and age on rats' operant performance. Poster presentation at the annual meeting of the Southwestern Psychological Association, Kansas City, KS.
- Howard, W. J., Yates, C. L., Meara, J. P., Miller, T., Jackson, G. C., Bergstrom, J., **Peterson, J. R.**, & Grover, C. A. (2007). Isolated/social housing effects on rats' ethanol consumption and

operant responding. Poster presentation at the annual meeting of the Southwestern Psychological Association, Fort Worth, TX.

Yates, C. L., **Peterson, J. R.**, & Miller, T. M. (2007) Prenatal ethanol exposure and housing affects female rats operant reversal-learning. Oral presentation at the annual meeting of the Great Plains Students' Psychology Convention, Wichita, KS.

Peterson, J. R. (2006). Priming, learning, and memory mechanisms. Oral presentation at the annual meeting of the Great Plains Students' Psychology Convention, Wichita, KS.

Journal Reviewing Experience

- External Reviewer PLOS ONE

Grant Submissions

- *Intervention Effects on Impulsive Choice and Behavioral Flexibility across the Lifespan*, submitted April 2015, \$159,906. National Institutes of Health, National Research Service Award, F32 Fellowship Grant, Role: PI, Status: pending

Memberships

- Comparative Cognition Society member 2013-Present
- Society for Neuroscience member, 2008 – Present
- AFW chapter Society for Neuroscience member, 2012 - 2013
- Psi Chi, National Honor Society in Psychology, 2004-Present
Fundraising Chair, 2007
- Golden Key, International Honour Society, 2004-Present
- Emporia State University Psychology Club, 2006-Graduation
- Psychology and Educational Research in Kansas (PERK) member
- Southwestern Psychology Association (SWPA) member
- American Psychological Association (APA) member
- Association for Psychological Science (APS) member
- Society for the Teaching of Psychology, Division 2 of the American Psychological Association

Conferences Attended

- Comparative Cognition Society Annual Conference, April 2015, Melbourne, FL
- Society for Neuroscience annual Meeting, November 2014, Washington, D.C.
- Comparative Cognition Society Annual Conference, March 2014, Melbourne, FL
- Society for Neuroscience annual Meeting, October 2012, New Orleans, LA
- Society for Neuroscience annual Meeting, November 2011, Washington, D.C.
- Society for Neuroscience annual Meeting, November 2010, San Diego, CA
- Southwestern Psychological Association annual Meeting, April 2010, Dallas, TX
- Southwestern Psychological Association annual Meeting, April 2008, Kansas City, KS
- Great Plains Psychology Convention annual Meeting, March 2008, Emporia, KS

- Psychology and Educational Research annual Meeting, November 2007, Wichita, KS
- American Psychological Association annual Meeting, August 2007, San Francisco, CA
- Southwestern Psychological Association annual Meeting, April 2007, Ft. Worth, TX
- Great Plains Students' Psychology Convention annual Meeting, March 2007, Wichita, KS
- Psychology and Educational Research annual Meeting, November 2006, Hays, KS

Community and Volunteer Service

- Volunteer Presenter for K-State Office for the Advancement of Women in Science and Exploring Science, Technology, and Engineering (EXCITE)
- Volunteer Presenter for K-State Office for the Advancement of Women in Science and Engineering Girls Researching our World program (GROW)
- Services Offering Safety, Women's Shelter Volunteer, Emporia KS
- Kansas Department of Transportation Highway Cleanup
- National Depression Screening Day Volunteer
- Episcopal Family Services, Teen Intervention Program, Mentor