

Curriculum Vitae

Travis R. Smith

8.5.2016

CONTACT INFORMATION:

3424 River Hills Drive
Ellenwood, GA 30294
Telephone: (608) 449-4822
E-mail: smith.travis.r@gmail.com

EDUCATION:

Ph.D. August 2014	Southern Illinois University – Carbondale, Department: Psychology Program: Brain and Cognitive Sciences Specialization: Learning (Behavior Analysis) Advisor: Dr. Eric Jacobs
M.A. May 2012	Southern Illinois University – Carbondale, Department: Psychology Program: Brain and Cognitive Sciences Specialization: Learning (Behavior Analysis) Advisor: Dr. Eric Jacobs
B.S. May 2008	University of Wisconsin – Eau Claire Major: Psychology, Behavior Analysis Minor: Sociology
A.S. May 2003	Gogebic Community College Ironwood, MI Major: Psychology

CURRENT POSITION:

Postdoctoral Associate, Department of Psychology, Georgia State University (2016)

ACADEMIC INTERESTS:

Comparative Cognition
Nonhuman Animal Behavior
Decision-making in Nonhuman Primates
Experimental Analysis of Behavior
Applied Behavior Analysis
Behavioral Pharmacology
Behavioral Neuroscience
Behavioral Economics
Behavioral Ecology
Judgment and Decision-making
History and Systems of Psychology
Research and Data Analytic Methods in Psychology

RESEARCH EXPERIENCE:

Postdoctoral Research Experience:

Language Research Center (Georgia State University) – January 2016 – Present
Supervisor: Dr. Michael Beran
Topics: Gambling and risky choice, impulsive choice and delay to gratification, prospective memory and planning, and executive functioning and behavioral flexibility

Graduate Research Experience:

Operant Laboratory:

Southern Illinois University – Carbondale; Fall 2008 – Fall 2014
Supervisor: Dr. Eric Jacobs
Topics: Token reinforcement, conditioned/secondary reinforcement, operant choice, and the mathematical principles of reinforcement

Neurorehabilitation Laboratory

Southern Illinois University – Carbondale; Fall 2011 – Fall 2013
Supervisor: Dr. Michael Hoane
Topic: Simultaneous and successive discrimination following traumatic brain injury in rats

Undergraduate Research Experience:

Behavioral Economics Laboratory:

University of Wisconsin – Eau Claire; Fall 2004 – Spring 2005

Supervisor: Dr. Gregory Madden

Topic: Behavioral Economics

Behavioral Pharmacology Laboratory:

University of Wisconsin – Eau Claire; Fall 2005 – Spring 2008

Supervisor: Dr. David Jewett

Topics: Discrimination of food deprivation (hunger) states, and diet and drug effects on hunger states

Behavioral Choice Laboratory:

University of Wisconsin – Eau Claire; Fall 2006 – Spring 2008

Supervisor: Dr. Daniel Holt

Topics: Impulsive choice, token reinforcement, and pigeon model of gambling

TEACHING EXPERIENCE:

Southern Illinois University

Position: Lecturer for PSYC 222: The effects of recreational drugs on mind and body

Location: Carbondale, IL

Dates of employment: August 2014 – December 2014

Reason for leaving: Temporary teaching opportunity

Supervisor:

Dr. Meera Komarraju

Life Science II 281

Southern Illinois University Carbondale

Carbondale, IL 62901-6502

(618) 453-3529

meerak@siu.edu

Graduate Instructor:

Primary Lecturer – Introduction to Learning:

Southern Illinois University – Carbondale; Fall 2009, Spring 2010, Spring 2011, Fall 2011, Spring 2012, Spring 2013, Summer 2013, & Fall 2014

Supervisor: Dr. Eric Jacobs

Primary Lecturer – Effects of Recreational Drugs on Mind and Body:

Southern Illinois University – Carbondale; Fall 2010; Fall 2012; & Fall 2013

Supervisor: Dr. Meera Komarraju

Graduate Teaching Assistant:

Teaching Assistant – Introduction to Psychology:

Southern Illinois University – Carbondale; Fall 2008 & Spring 2009
Supervisor: Dr. Meera Komarraju

Introduction to Learning:

Southern Illinois University – Carbondale; Summer 2009, Summer 2010
Supervisors: Dr. Blake Hutsell, Dr. Eric Jacobs

Undergraduate Teaching Assistant:

Psychology Research Methods:

University of Wisconsin – Eau Claire; Fall 2004
Supervisor: Dr. Blaine Peden

Introduction to Applied Behavior Analysis:

University of Wisconsin – Eau Claire; Spring 2005
Supervisor: Dr. Gregory Madden

Experimental Analysis of Behavior:

University of Wisconsin – Eau Claire; Fall 2007
Supervisor: Dr. Daniel Holt

History and Systems in Psychology:

University of Wisconsin – Eau Claire; Spring 2007, Fall 2007, & Spring 2008
Supervisor: Dr. Allen Keniston

Guest Lecture – History and Systems of Psychology:

University of Wisconsin – Eau Claire; October 2007 & April 2008
Topic: Philosophical Tenets of Behavior Analysis
Supervisor: Dr. Allen Keniston

Principles of Learning:

University of Wisconsin – Eau Claire; Spring 2008
Supervisor: Dr. Daniel Holt

Guest Lecture - Introduction to Applied Behavior Analysis:

University of Wisconsin – Eau Claire; October 2007
Topic: Shaping a new response
Supervisor: Dr. Daniel Holt

GRANT ACTIVITY:

Unfunded Proposals:

NIH, National Institute of Diabetes and Digestive and Kidney Diseases: “Economic Determinants of Overconsumption: An Animal Model of Obesity in a Laboratory-Based Token Economy” 1 F32 DK103478-01A1. Travis R. Smith, PI; Timothy D. Hackenberg & Paul Currie, co-sponsors. \$154,662.00 (August, 2014).

INTERNSHIPS:

UW-Eau Claire, Campus Autism Program:

University of Wisconsin – Eau Claire; Spring 2006 & Fall 2006
Supervisor: Dr. Kevin Klatt, BCBA

Workshops:

Association for Direct Instruction Workshop. *Introductory training on reading mastery for practitioners who teach reading mastery to pre-school children.* June 16, 2006.

PROFESSIONAL MEMBERSHIPS:

- Mid-American Association for Behavior Analysis
 - Experimental Biology
 - Association of Behavior Analysis
 - Society for the Quantitative Analysis of Behavior
 - Association of Behavior Analysis 2012 Theory and Philosophy Conference
 - Association of Behavior Analysis 2011 Behavioral Economics Conference
 - Society for Neuroscience
 - Southeastern Association for Behavior Analysis
 - Psychonomic Society
 - Comparative Cognition Society
-

PEER REVIEW PUBLICATIONS:

Smith, T.R. & Jacobs, E.A. (2014). Concurrent token-production in rats. *The Psychological Record*, DOI: 10.1007/s40732-014-0094-z

Vonder Haar, C., **Smith, T. R.**, French, E. J., Martens, K. M., Jacobs, E.A., & Hoane, M.R. (2014). Simple done discriminations are disrupted following experimental frontal traumatic brain injury in rats. *Brain Injury*, 28, 235-243.

Jewett, D. C., Hahn, T. W., **Smith, T. R.**, Fiksdal, B. L., Wiebelhaus, J. M., Dunbar, A. R., Filtz, C. R., Novinska, N. L., & Levine, A. S. (2009). Effects of sibutramine and rimonabant in rats trained to discriminate between 22- and 2- h food deprivation. *Psychopharmacology*, 203, 453-459.

Hahn, T. W., Wiebelhaus, J. M., Tham, R. L., **Smith, T. R.**, Ewan, E. E., Grace, M. K., Levine, A. S., & Jewett, D. C. (2007). Effects of opioids in subjects trained to discriminate 22 from 2h food deprivation. *Appetite*, 49(1), 295. DOI: 10.1016/j.appet.2007.03.083

MANUSCRIPTS IN PREPARATION:

Smith, T. R., & Jacobs, E. A. (In preparation). Concurrent token-production schedule performance in rats: Manipulating the exchange-production schedule type and value.

Smith, T. R., French, E. F., Vonder Haar, C., Elmore, B.E., Hoane, M. C., & Jacobs, E. A. (In preparation). The effects of frontal traumatic brain injury on discrimination and generalization performances.

Smith, T. R., & Jacobs, E. A. (In preparation). The role of stimuli signaling the probability of reinforcement in determining preference in rats.

BOOKS & BOOK CHAPTERS:

Smith, T. R., & Beran, M. J. (In press). Metacognition. In T. K. Shackelford & V. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*. Switzerland: Springer International Publishing.

PRESENTATIONS AT PROFESSIONAL MEETINGS:

- Smith, T. R.,** & Jacobs, E. A. (May, 2016). *Second-Order Token-Production Schedule Performances Are (Mostly) Obedient to the Mathematical Principles of Reinforcement*. In E. J. French (Chair), *When Do Rats Wait for More Food? An Investigation of Reinforcer Accumulation*. Symposium conducted at the annual meeting of the Association for Behavior Analysis International, Chicago, IL.
- Smith, T. R.,** & Jacobs, E. A. (May, 2015). *Evidence for Conditional Reinforcement in Rats using Dynamic Concurrent Chained Schedules*. In T. R. Smith (Chair), *Conditioned Reinforcement: Gambling, Information, and Token Economics*. Symposium conducted at the annual meeting of the Association for Behavior Analysis International, San Antonio, TX.
- Smith, T. R.** & Jacobs, E. A. (February, 2015). *Conditional Reinforcement in the Mathematical Principles of Reinforcement: Brief Food-Related Stimuli Increase Specific Activation*. In E. French (Chair), *Some Examples of How Nonhuman Basic Research Informs Behavior Analysis: Stimulus Control, Conditioned Reinforcement, and Reinforcer Accumulation*. Symposium conducted at the annual meeting of the Behavior Analysis Association of Michigan, Ypsilanti, MI.
- Smith, T. R.,** Vonder Haar, C., & French, E. F. (May, 2014). *The effects of a frontal traumatic brain injury on a discrimination task*. In M. Hoane (Chair), *Experimental Analysis of Behavior and Animal Models of Traumatic Brain Injury*. Symposium conducted at the annual meeting of the Association for Behavior Analysis International, Chicago, IL.
- Smith, T. R.** & Jacobs, E. A. (May, 2013). *Concurrent token-production schedule performance in rats: Manipulating the exchange-production schedule type and value*. In T. Hackenberg (Chair), *From Token Reinforcement to Economics and Back: Toward More Economically Realistic Models of Preference and Demand*. Symposium conducted at the annual meeting of the Association for Behavior Analysis International, Minneapolis, MN.
- Smith, T. R.** & Jacobs, E. A. (April, 2013). *Rodent model of choice: Effects of anatomy & economy*. Presentation at the 23rd Annual Trainee Research Symposium for the SIU School of Medicine. Carbondale, IL.
- Smith, T. R.** & Jacobs, E. A. (June, 2012). *Rapid assessment of sensitivity to concurrent token reinforcer ratios under a rapidly changing environment in rats*. Presentation at the 2012 Annual meeting for Illinois Psychology Conference, Evansville, IL.
- (September, 2012). Presentation at the 6th Biennial Southern Illinois Region Neuroscience Retreat, Collinsville, IL.

Smith, T. R. & Jacobs, E. A. (September, 2011). *Rapid assessment of sensitivity to concurrent token production ratio in rats*. Presentation at the 2011 Annual meeting for Illinois Psychology Conference, Carbondale, IL.

Smith, T. R., Hutsell, B. A., & Jacobs, E. A. (June, 2010). *Rapid acquisition of preference under concurrent token production schedules in rats*. Presentation at the 2010 Annual meeting for Illinois Psychology Conference, Bloomington, IL.

CONFERENCE POSTER PRESENTATIONS:

Smith, T. R., & Jacobs, E. A. (May, 2015). *Signaled Extinction Determines Preference in Rats: Implications for Conditional Reinforcement*. Poster presented at the 2015 Annual meeting for the Association for Behavior Analysis, San Antonio, TX.

Smith, T. R., French, E. J., Price, M. D., & Jacobs, E. A. (February, 2015). *The mathematical principles of reinforcement in concurrent schedules*. Poster presented at the annual meeting of the Behavior Analysis Association of Michigan, Ypsilanti, MI.

--- (May, 2015). Poster presented at the 38th annual meeting at the Society of the Quantitative Analysis of Behavior, San Antonio, TX.

Smith, T. R., French, E. J., Price, M. D., Jacobs, E. A. (October, 2014). *The generalized matching law and mathematical principles of reinforcement as complementary models of concurrent schedule performance in rats*. Poster presented at the 15th annual meeting at the Mid-American Association for Behavior Analysis, St. Louis, MO.

Miller, W. T., **Smith, T. R.**, Price, M. D., Jacobs, E. A. (October, 2014). *Brief stimulus presentations increase "arousal" in rat: Implications for conditioned reinforcement*. Poster presented at the 15th annual meeting at the Mid-American Association for Behavior Analysis, St. Louis, MO.

Grosse, R. E., **Smith, T. R.**, Price, M. D., & E. A. Jacobs (May, 2014). *Comparing the effects of brief paired stimulus presentations on multiple and concurrent schedule performances in rats: Some contradictory findings*. Poster presented at the 15th annual meeting at the Mid-American Association for Behavior Analysis, St. Louis, MO.

Smith, T. R. & E. A. Jacobs (May, 2014). *Token-production performances are loyal to the mathematical principles of reinforcement*. Poster presented at the 37th annual meeting at the Society of the Quantitative Analysis of Behavior, Chicago, IL.

Smith, T. R., Frye, C. C. J., Peterson, T., Elmore, B., Hoane, M., & Jacobs, E. A. (October, 2013). *Effects of Lesions to the Core of the Nucleus Accumbens on Concurrent Schedule Performances*. Poster presented at the 14th annual meeting for

the Mid-American Association for Behavior Analysis, Milwaukee-Pewaukee West, WI.

--- (May, 2013). Poster presented at the 36th annual meeting for the Society of the Quantitative Analysis of Behavior, Minneapolis, MN.

French, E. J., **Smith, T. R.**, Vonder Haar, C., Martens, K., Jacobs, E. A., & Hoane, M. R. (October, 2012). *Deficits in two-choice discrimination following bilateral frontal controlled cortical impact injury in the rat*. Poster presented at the 2012 Annual meeting for the Mid-American Association for Behavior Analysis, Minneapolis, MN.

--- Poster presented at the 2013 Annual meeting for the Association for Behavior Analysis International, Minneapolis, MN.

Smith, T. R., & Jacobs, E. A. (October, 2012). *Rapid assessment of sensitivity to concurrent token reinforcer ratios in a rapidly changing environment in rats*. Poster presented at the 2012 Annual meeting for the Mid-American Association for Behavior Analysis, Minneapolis, MN.

--- (May, 2013) Poster presented at the 2013 Annual meeting for the Association for Behavior Analysis International, Minneapolis, MN.

Vonder Haar, C., **Smith, T. R.**, French, E. J., Martens, K. M., Jacobs, E. A. & Hoane, M. R. (2012) *Deficits in two-choice discrimination following bilateral controlled cortical impact injury in the rat*. Poster presented at the 42nd Annual Meeting for the Society for Neuroscience, New Orleans, LA.

Smith, T. R. & Jacobs, E. A. (May, 2012). *Rapid assessment of sensitivity to concurrent token production ratio in rats*. Poster presented at the 2012 Annual meeting for the Association for Behavior Analysis, Seattle, WA.

Smith, T. R., Jacobs, E. A., & Young, M. E. (May, 2012). *Modeling preference using logistic regression with generalized linear effects modeling*. Poster presented at the 35th Annual meeting for the Society for the Quantitative Analysis of Behavior, Seattle, WA.

Smith, T. R. & Jacobs, E. A. (October, 2011). *Rapid assessment of sensitivity to concurrent token production ratio in rats*. Poster presented at the 2011 Annual meeting for the Mid-American Association for Behavior Analysis, Bloomington, IL.
-- Poster presented at the 2011 Annual meeting for the Southeastern Association for Behavior Analysis, Charlotte, NC.

Smith, T. R., Hutsell, B. A., Swisher, M., & Jacobs, E. A. (October, 2009). *Rapid acquisition of preference under concurrent token production*. Poster presented at the 2009 Annual meeting for the Mid-American Association for Behavior Analysis, Davenport, IA.
--- Poster presented at the 2010 Association for Behavior Analysis International, San Antonio, TX.

Clark, S. C., Filtz, C. R., Puhl, L. E., Edwards, K. M., Hammon, S. A., Novinska, N. L., Stone, R. W., **Smith, T. R.**, Tischman, C. D., Dunbar, A. R., Hertig, R. D., Raber, V. L., & Jewett, D. C. (April, 2008). *Effects of food pellets, granulated chow, and high carbohydrate on rats trained to discriminate 2 hour and 22 hour food deprivation*. Poster presented at the 16th Annual University of Wisconsin – Eau Claire Student Research Day, Eau Claire, WI.

Smith, T. R., Smits, R. R., Stone, R. W., Groth, A. L., & Holt, D. D. (April, 2008). *Gambling in Pigeons*. Poster presented at the 16th Annual University of Wisconsin – Eau Claire Student Research Day, Eau Claire, WI.

Smith, T. R., Schinke, E. A., Tham, R. L., Hahn, T. W., Wiebelhaus, J. M., Levine, A. S., & Jewett, D. C. (November, 2007). *SR-141716 decreases food intake, but does not alter the discriminative stimulus effects of 22 hours food deprivation*. Poster presented at the 37th Annual Meeting for the Society for Neuroscience, San Diego, CA.

Smith, T. R., Portz, I., & Holt, D. (October, 2007). *Schedule induced procrastination in college students*. Poster presented at the 2007 Annual meeting for the Mid-American Association for Behavior Analysis.

Smith, T. R., Tham, R. L., Hahn, T. W., Ewan, E. E., Kwilasz, A. J., Wiebelhaus, J. M., Grace, M. K., Levine, A. S., & Jewett, D. C. (May, 2007). *Effects of DAMGO and DSLET in rats trained to discriminate 22 from 2 hours food deprivation*. Poster presented at the 33rd Annual Association of Behavior Analysis, San Diego, CA.

Tham, R. L., **Smith, T. R.**, Hahn, T. W., Kaletka, R., Kruser, A., Fiksdal, B., Kwilasz, A. J., Wiebelhaus, J. M. (April, 2007). *Pharmacological assessment of the effects of opioid agonists and antagonists in an animal model of hunger*. Poster presented at the 15th Annual University of Wisconsin – Eau Claire Student Research Day, Eau Claire, WI.

Hahn, T. W., Schinke, E. A., Fiksdal, B., Kruser, A., Tham, R. L., **Smith T. R.**, Lair, K., Flashinski, K., Kaletka, R., Dols, K., Cliff, K., Richling, S., Wiebelhaus, J. M., Jewett, D. C., Grace, M. K., & Levine, A. S. (2007, April). *Do diet drugs really affect “hunger”? Assessment of sibutramine and rimonabant in an animal model of “hunger.”* Poster presented at the 15th Annual University of Wisconsin – Eau Claire Student Research Day, Eau Claire, WI.

Jewett, D. C., Ewan, E. E., **Smith T. R.**, Dunn, A. T., Kwilasz, A. J., Wiebelhaus, J. M., Tham, R. L., Johnson, L., Stein, L. J., Grace, M. K., & Levine, A. S. (2006, April). *Effects of DAMGO and DSLET in rats trained to discriminate 22 from 2 hours food deprivation*. Poster presented at the Experimental Biology conference, San Francisco, CA.

Wiebelhaus, J. M., Dunn, A. T., **Smith, T. R.**, Schweiner, T. A., Mack-Olson, E. J., Kwilasz, A. J., Jewett, D. C., Grace, M. K., & Levine, A. S. (2006, May). *Effects of*

corn oil on reports of "hunger." Poster presented at the 14th Annual University Wisconsin – Eau Claire Student Research Day, Eau Claire, WI.

Tham, R. L., Kwilasz, A. J., Wiebelhaus, J. M., Hahn, T. W., **Smith, T. R.**, Grace, M. K., Levine, A. S., & Jewett, D. C. (2006, May) *Effects of a high-fat, high carbohydrate diet on the discriminative stimulus effects produced by 22 hours food deprivation.* Poster presented at the 14th Annual University Wisconsin – Eau Claire Student Research Day, Eau Claire, WI.

Lagorio, C. H., Remiker, M., Bourgeois, B., Zeug, N., Smethells, J. R., **Smith, T. R.**, & Madden, G. J. (2005, May). *Behavioral Economics of Relative Reinforcer Efficacy: Food and Booze.* Poster presented at the 2005 Annual meeting for the Association for Behavior Analysis, Chicago, IL.

Ewan, E. E., Smethells, J. R., Chen, W., **Smith, T. R.**, & Madden, G. J. (2005, April). *Economic demand for food and fat: Quantitative predictors of relative reinforcer efficacy.* Poster presented at the 13th Annual University Wisconsin – Eau Claire Student Research Day, Eau Claire, WI.

Smith, T. R., & Warren, T. J., (2005, April). *Guilt by association: Roommate bias based on parental background and effects of sex.* Poster presented at 19th National Conference on Undergraduate Research, Lexington, VA.

HONORS:

The Professor Alfred Lit Memorial Scholarship (2008): This scholarship will be awarded to outstanding applicants to the doctoral program at Southern Illinois University at Carbondale, in Experimental Psychology, who show special promise to emulate Professor Alfred Lit in accomplishing a distinguished career in research.

PROFESSIONAL SERVICE:

Journal Reviewer (Ad Hoc): Psychological Record, Psychonomic Bulletin & Review, Journal of Comparative Psychology, and Animal Cognition.

Chair at a Symposium (2015): Conditioned Reinforcement: Gambling, Information, and Token Economics. Symposium conducted at the annual meeting of the Association for Behavior Analysis International, San Antonio, TX.

Discussant at the Association for Behavior Analysis International Conference Poster Session (2016, 2015, 2014)

Duties: Ask questions and evaluate a selection of professional research posters at a poster presentation session.

Chair at a Symposium (2014): Marijuana, Munchies, and Moments: Current Research on Discrimination of Interceptive and Temporal Stimuli. Symposium conducted at the annual meeting of the Association for Behavior Analysis International, Chicago, IL.

Judge for the Illinois Junior Academy of Science Region 8 Science Fair (Spring 2012):

Duties: Judge posters, presentations, and projects from local high school science students.

Illinois Psychology Conference Committee (September 2011):

Duties: Aid in scheduling food services for conference.

Brain and Cognitive Sciences Pro-seminar Coordinator (Fall 2010):

Duties: Ensure presenters are set up prior to presentation, send out notices and announcements to department students and faculty, and coordinate scheduling.

President of the Cognitive Sciences Registered Student Organization (Spring 2009):

Duties: Organize and implement invitation to host outside speakers to present research at SIUC.

REFERENCES:

Postdoctoral Associate Mentor (Comparative Cognition)

Dr. Michael Beran
Language Research Center
Department of Psychology
Georgia State University
P.O. Box 5010
Atlanta, GA 30302-5010
(404).413.5285
mberan1@gsu.edu
www.mjberan.com

Primary Graduate Mentor (Behavior Analysis)

Dr. Eric Jacobs
Life Science II 275
Southern Illinois University Carbondale
Carbondale, IL 62901-6502
(618) 453-3555
ejacobs@siu.edu

Graduate Mentor (Neuroscience)

Dr. Michael Hoane
Life Science II 77C
Southern Illinois University Carbondale
Carbondale, IL 62901-6502
(618) 453-3517
mhoane@siu.edu

Graduate Teaching Assistant Mentor

Dr. Meera Komarraju
Life Science II 281
Southern Illinois University Carbondale
Carbondale, IL 62901-6502
(618) 453-3529
meerak@siu.edu