

**Curriculum Vitae  
of  
Eric A. Jacobs, Ph.D.**

**I. Professional Affiliation and Contact Information**

- a. **Department** Department of Psychology
- b. **Office Address** LSII 275A  
Department of Psychology  
Southern Illinois University- Carbondale  
Carbondale, IL 62901  
(618) 453-3555  
(618) 453-3563 FAX

**e-mail:** eajacobs@siu.edu

**II. Education**

**1994 - 1997 Ph.D. in Experimental Psychology**

University of Florida  
Area of Specialization: Experimental Analysis of Behavior  
Dissertation Title: *Human performance on negative-slope schedules of reinforcement: A test of reinforcement maximization*  
Committee Chair: Timothy D. Hackenberg, Ph.D.

**1990 - 1994 M.S. in Psychology**

University of Florida  
Area of Specialization: Experimental Analysis of Behavior  
Thesis Title: *A parametric analysis of humans' choices in situations of time-based diminishing returns.*  
Committee Chair: Timothy D. Hackenberg, Ph.D.

**1985 - 1990 B.S. in Psychology**

University of Florida  
Gainesville, FL 32611

**Fellowships and Awards**

Russel Supplemental Fellowship, University of Florida, 1990  
Holmes Dissertation Fellowship, University of Florida, 1994

### **III. Professional Experience**

#### **8/07 – Present**

Program Director  
Brain and Cognitive Sciences Program  
Department of Psychology  
Southern Illinois University--Carbondale

#### **8/05 – Present**

Associate Professor  
Department of Psychology  
Southern Illinois University--Carbondale

#### **8/99 – 8/05**

Assistant Professor  
Department of Psychology  
Southern Illinois University--Carbondale

#### **8/96 – 8/99**

Assistant Project Director  
Substance Abuse Treatment Center  
University of Vermont  
Supervisor: Warren K. Bickel, Ph.D.

Responsibilities included conducting research on buprenorphine pharmacology as related to addiction treatment and managing day-to-day operations of an outpatient clinic providing pharmacotherapy for opioid dependence.

### **IV. Research and Creative Activity**

#### **A. Interests and Specialties:**

The experimental analysis of behavior, choice, self control, reinforcement schedules, human operant behavior, verbal behavior, quantitative analyses of behavior, behavioral ecology, behavioral economics, behavioral pharmacology, behavior analysis of substance abuse, contingency management, community reinforcement approach, opioid pharmacology, radical behaviorism, cultural materialism

#### **B. Current Projects**

“Choice and decision making in humans: Avoidance of disruption of music and video stimulation.”

“Operant conditioning in rats.”

“Development of an animal model of the effects of traumatic brain injury on self-control.”

“Choice & Self-Control in populations with impulse control disorders.”

**C. Grants Applied For**

ORDA Faculty Seed Grant FA02

Resubmitted Spring 03

“Waiting for a better future”, Academic Research Enhancement Award (R15), NIH, \$150k

Collaborator: Michael Young, Ph.D.

Submitted SP08, Resubmitting SP09

**D. Grants Received**

ORDA Faculty Seed Grant FA03, “Development of an animal model of the effects of traumatic brain injury on self-control.”

Collaborator: Doug Smith

“Waiting for a better future”, Academic Research Enhancement Award (R15), NIH, \$150k

Collaborator: Michael Young, Ph.D.

**E. Honors and Awards**

None

**F. Papers & Presentations at Professional Meetings:**

Jacobs, E.A. (2013). Psychology as the Behavior Analyst Views It. Division 25 Presidential Address presented at the annual meeting of the American Psychological Association, Honolulu, HI.

Klotz, J. Jacobs, E.A. (2013). Foraging for Demand: Applying Optimal Foraging Theory to Decisions in a Simulated Business Context. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

Smith, T. R., Frye, C. C. J., Peterson, T. & Jacobs, E. A. (2013). Effects of a Lesion to the Core of the Nucleus Accumbens on Concurrent Schedule Performances. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Minneapolis, MN.

Smith, T. R. & Jacobs, E. A. (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. (2013). Concurrent token-production schedule performance in rats: Manipulating the exchange-production schedule type and value.

Presentation in a symposium at the Association for Behavior Analysis International, Minneapolis, MN.

Smith, T. R., Frye, C. C. J., Peterson, T., Elmore, B., Hoane, M., & Jacobs, E. A. (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.

Frye, C. C. J. & Jacobs, E. A. (2013). Percentile reinforcement of lever holding in rats: Increasing reinforcement magnitude decreases latency to respond, but does not systematically affect on hold duration. Poster presented at the annual meeting of the Association for Behavior Analysis International, Minneapolis, MN.

Frye, C. C. J. & Jacobs, E. A. (2013). Differential reinforcement of lever holding in rats: Assessing the effects of probabilistic reinforcement on temporal discounting in a single manipulandum procedure. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Minneapolis, MN.

French, E. J., Frye, C. C. J., Smith, T. R., Baumgartner, A., & Jacobs, E. A. (2013). Rats foraging in rapidly changing and static environments. Poster presented at the 14th annual meeting for the Mid-American Association for Behavior Analysis, Milwaukee-Pewaukee West, WI.

French, E. J., Frye, C. C. J., Baumgartner, A., & Jacobs, E. A. (2013). Rats foraging in a rapidly changing environment. Poster presented at the annual meeting of Society for the Quantitative Analyses of Behavior, Minneapolis, MN.

Vonder Haar, C., Jacobs, E. A. & Hoane, M. R. (2013). Deficits in visual discrimination following frontal traumatic brain injury are associated with deficits in motivation, but not motor ability. Poster presented at the Society for Neuroscience meeting in 2013, San Diego, CA.

Vonder Haar, C., Maass, W. B., Jacobs, E. A. & Hoane, M. R. (2013). A characterization of cognitive impairments after frontal traumatic brain injury: Discrimination and motivation deficits can be improved by administration of nicotinamide. Poster presented at the National Neurotrauma Symposium meeting in 2013, Nashville, TN.

Frye, C. C. J. & Jacobs, E. A. (2012). Hold duration as a dependent measure: Effects of using a percentile schedule of reinforcement and manipulating reinforcement magnitude. Poster presented at the annual meeting of the Mid-American Association for Behavior Analysis, Minneapolis, MN.

Mendez, V. R., Baumgartner, A., French, E., Frye, C. C. J., & Jacobs, E. A. (2012). Rats foraging in a rapidly changing environment. Poster presented at the annual meeting of the Mid-American Association for Behavior Analysis, Minneapolis, MN.

Frye, C. C. J., Jacobs, E. A., Young, M. E., & Zhu, J. (2012). Differential reinforcement of lever holding in rats: Hold duration as a dependent measure to assess temporal discounting. Poster presented at the annual meeting of the Association for Behavior Analysis International, Seattle, WA.

Frye, C. C. J. & Jacobs, E. A. (2012). Percentile reinforcement of lever holding in rats: Preliminary data on the effects of manipulating reinforcement magnitude. Paper presentation at Neuroscience Retreat, Collinsville, IL.

Frye, C. C. J. & Jacobs, E. A. (2012). Molar versus molecular control over behavior using a percentile schedule and lever-hold duration on a single manipulandum procedure: Effects of a magnitude manipulation. Paper presentation at the sixth annual Illinois Data Conference, Edwardsville, IL

Rung, J. M., Young, M. E., Webb, T. L., & Jacobs, E. A. (2012). Learning to “hold your fire” or to “jump the gun”? Order effects in an escalating interest task. Poster presented at the annual meeting of the Mid-American Association of Behavior Analysis, Minneapolis, MN.

Rung, J. M., Young, M. E., & Jacobs, E. A. (2012). Lasting effects of exponentially increasing outcomes in a video game. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Seattle, WA.

Rung, J. M., Young, M. E., & Jacobs, E. A. (2012). Can video games teach self control? Poster presented at the annual St. Louis Area Undergraduate Research Symposium, St. Louis, MO; and at the annual Research Enriched Academic Challenge Forum, 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, Carbondale, IL.

Smith, T. R. & Jacobs, E. A. (September, 2012). Rapid assessment of sensitivity to concurrent token reinforcer ratios under a rapidly changing environment in rats Presentation at the 6th Biennial Southern Illinois Region Neuroscience Retreat, Collinsville, IL.

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 2012 Annual meeting for the Society for the Quantitative Analysis of Behavior, Seattle, WA.

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.

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

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 2011 Annual meeting for the Mid-American Association for Behavior Analysis, 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 2011 Annual meeting for the Mid-American Association for Behavior Analysis, Minneapolis, MN.

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

Frye, C. J., Jacobs, E. A., Young, M. E. & Zhu, J. (2011). Differential reinforcement of lever holding in rats: Hold duration as a dependent measure to assess temporal discounting. Poster presented at the Southeastern Association of Behavior Analysis, Charlotte, NC.

Smith, T. R. & Jacobs, E. A. (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.

Frye, C. J., Jacobs, E. A., Young, M. E. & Zhu, J. (2011). Differential reinforcement of lever holding when reinforcement parameters are continuously changing: Assessing a novel single manipulandum procedure for measuring “impulsive” behavior in rats. Poster presented at the Mid-American Association of Behavior Analysis, Bloomington, IL.

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

Frye, C., Jacobs, E.A., Young, M.E., Zhu, J. (2011). Differential reinforcement of lever holding when reinforcement parameters are continuously changing: Assessing a novel single manipulandum procedure for measuring “impulsive” behavior in rats. Paper presented at the 5th annual meeting of the Illinois Data Conference, Carbondale, IL.

Webb, T.L., Young, M.E., & Jacobs, E.A. (2011). Waiting for larger vs. more certain outcomes: Choice in a video game environment. Poster presented at the ABAI Behavioral Economics Conference, Chicago, IL.

Young, M.E., \*Webb, T.L., & Jacobs, E.A. (2010, September). Evaluation of impulsive behavior using a video game. Paper presented at the Fifth Biennial Southern Illinois Region Neuroscience Retreat, Collinsville, IL.

Smith T.R., Hutsell, B.A., Jacobs E. A. (2010). Matching Tokens. Paper presented at the annual Illinois Data Conference, Normal, IL.

Smith T.R., Hutsell, B.A., Swisher, M. J., Jacobs E. A. (2010). Concurrent token production schedules in rats: Assessing sensitivity to the token production ratio. Poster presented at the annual meeting of the Association for Behavior Analysis - International, San Antonio, TX.

Hutsell, B. A., & Jacobs, E.A. (2010). Unifying Davison-Nevin (1999) and Shepard's (1987) universal law of generalization. Poster presented at the annual meeting of the Society for Quantitative Analyses of Behavior, San Antonio, TX.

Smith T.R., Hutsell, B.A., Jacobs E. A. (2009) Rapid acquisition of preference under concurrent token production schedules in rats. Poster presented MidAmerican Association for Behavior Analysis, Davenport, IA.

Young, M.E., Webb, T.L., & Jacobs, E.A. (2009). When waiting increases weapon efficacy: A video game to study delay discounting. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Boston, MA.

Hutsell, B., & Jacobs, E. A. (2009) Rapid acquisition of bias in signal detection. Paper presented at the annual meeting of the Association for Behavior Analysis - International, Phoenix, AZ.

Hutsell, B., & Jacobs, E. A. (2008) Rapid acquisition of bias in signal detection. Poster presented at the annual meeting of the Association for Behavior Analysis - International, Chicago, IL.

Racey, D., Young, M.E., & Jacobs, E.A. (2008). Differences in sustained operant variability levels. Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL.

Hutsell, B., & Jacobs, E. A. (2008) Contingency discriminability in a free-operant psychophysical procedure: Effects of relative reinforcer magnitude and rate. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Chicago, IL.

Hutsell, B., & Jacobs, E. A. (2008) Rapid shifts in the psychophysical function for time. Poster presented at the annual meeting of the Southeastern Association for Behavior Analysis, Atlanta, GA.

Hutsell, B. A. & Jacobs, E.A. (2007). Rapid Acquisition of Bias in Signal Detection. Poster presented at the annual meeting of the Southeastern Association of Behavior Analysis, Athens, GA.

Jacobs, E. A. (2007). A Unified Theory of Mindlessness: A Current View of Radical Behaviorism. Invited address for the Department of Psychology, University of Memphis, Memphis, TN

Martinez, J. L. & Jacobs, E.A. (2007). The Effects of Instructions and Discriminative Stimuli on Percentile Schedule Performance in Humans. . Paper presented at the Illinois Data Conference, Bloomington, IL.

Jacobs, E. A. & Martinez, J.L. (2007). Escape from Disruption of A/V Stimulus Presentation: Percentile Reinforcement of Long Inter-Response Times in Humans. Paper presented at the annual meeting of the Association for Behavior Analysis, San Diego, CA.

Hutsell, B. & Jacobs, E.A. (2006). Log survivor analyses of delayed reinforcement effects. Poster presented at the annual meeting of the Southeastern Association of Behavior Analysis, Greenville, SC.

Jacobs, E. A. (2006). Toward an animal model of gambling. Paper presented at the annual meeting of the Behavior Analysts Interested in Gambling Special Interest Group, Carbondale, IL.

Jacobs, E. A. & Clark, S. W. (2006). Token reinforcement and progressive ratio schedule performance in rats: Breakpoints decrease as terminal reinforcer schedule requirements increase. Paper presented at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.

Martinez, J.L., Finney, J. N., Beckmann, J.S., Hutsell, B.A., & Jacobs, E.A. (2006). Percentile reinforcement of long interresponse times in humans III: The effects of instructions on consequences arrayed over conflicting time scales. Poster presented at the annual meeting of the Association for Behavior Analysis, Atlanta, GA.

Jacobs, E. A. (2005). Make 'em cry, "Uncle!" again: Using aversive control to arrange immediately "consumable" consequences for human operant behavior II. Paper presented at the annual meeting of the Southeastern Association for Behavior Analysis, Wilmington, NC.

Watkins, C., Ward, R., Henry, B., Jacobs, E. A., Smith, D.C., & Hoane, M.R. (2005) The effects of lesioning the orbital prefrontal cortex on sensitivity to temporally extended consequences in rats. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Martinez, J.L., Beckmann, J.S., & Jacobs, E.A. (2005). Percentile reinforcement of long interresponse times in humans II: A comparison of performances under percentile and yoked random ratio schedules. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.



Beckmann, J.S., Grabowska, K.B., & Jacobs, E.A. (2005). Social foraging: The ideal free distribution and differences in competitive ability. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Hutsell, B., & Jacobs, E.A. (2005). Catania & Reynolds (1968) Vs. Fleshler & Hoffmann (1962): Log survivor analyses of rats responding on constant probability variable interval schedules. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Hutsell, B., & Jacobs, E. A. (2005). Bouts of Responding: The effects of un signaled delay reinforcement. Poster presented at the annual meeting of the Southeastern Association for Behavior Analysis, Wilmington, NC.

Beckmann, J.S., Jacobs, E.A., & Martinez, J. (2004). Percentile reinforcement through the avoidance of video disruption. Poster presented at annual meeting of the Psychonomic Society. Minneapolis, MN.

Hutsell, B., & Jacobs, E. A. (2004). Catania & Reynolds (1968) versus Fleshler & Hoffmann (1962): Log survivor analyses of rats responding on constant probability variable interval schedules. Poster presented at the annual meeting of the Southeastern Association for Behavior Analysis, Charlotte, NC.

Watkins, C.R., Ward, R. Henry, B., Jacobs, E. A., Smith D. C., & Hoane, M. (2004). Lesioning the orbital prefrontal cortex improves sensitivity to temporally extended consequences in rats?!: Some unexpected preliminary findings. Poster presented at the annual meeting of the Southeastern Association for Behavior Analysis, Charlotte, NC.

Jacobs, E. A. (2004). Make 'em cry, "Uncle!": Using aversive control to arrange immediately "consumable" consequences for human operant behavior. Paper presented at the annual meeting of the MidAmerican Association for Behavior Analysis, Indianapolis, IN.

Dixon, M. R., Ziomek, M. M., Jacobs, E. A., Sanders, S. (2004). Expanding the understanding of delay discounting by problem gamblers. Poster presented at the international meeting of the Association for Behavior Analysis, Campinas, Brazil.

Beckmann, J.S., Jacobs, E.A., & Martinez, J. L. (2004). Percentile reinforcement of long interresponse times in humans: Molar versus molecular control of responding. Poster presented at the annual meeting of the Association for Behavior Analysis, Boston, MA.

Clark, S. W., Jacobs, E.A. & Grabowska, K. B., (2004). Token reinforcement and progressive-ratio schedule performance in rats: The effects of food schedule manipulation on breakpoint. Poster presented at the annual meeting of the Association for Behavior Analysis, Boston, MA.

Martinez, J. L., Kangas, B. D., & Jacobs, E. A. (2004). Second-order, brief paired stimuli affect response patterning, but not breakpoint under progressive-ratio schedules of reinforcement. Poster presented at the annual meeting of the Association for Behavior Analysis, Boston, MA.

Sanders, S., Dixon, M.R., & Jacobs, E.A. (2004). Delay Discounting in Gambling and Nongambling Contexts with Pathological Gamblers. Poster presented at the annual meeting of the Association for Behavior Analysis, Boston, MA.

Jacobs, E.A., Clark, S. W., Filwett, V. S., Grabowska, K. B., & Kangas, B. D. (2003). Establishing Efficient Negative-Slope Schedule Performances in Rats Through Stimulus Control. Poster presented at the annual meeting of the Association for Behavior Analysis, San Francisco, CA.

Kangas, B. D., & Jacobs, E.A. (2003). Human Performance in an Adjusting Procedure: Delay Discounting of Escape from Disruption of Audio/Video Stimulation. Poster presented at the annual meeting of the Association for Behavior Analysis, San Francisco, CA.

Marley, J.L., Dixon, M., Cuvo, A. J., & Jacobs, E.A. (2003). Delay Discounting in Pathological Gamblers. Poster presented at the annual meeting of the Association for Behavior Analysis, San Francisco, CA.

Giordano, L.A., Bickel, W. K., Loewenstein, G, Jacobs, E. A., & Marsch, L (2002). Mild opioid deprivation increases the degree that opioid-dependent outpatients discount delayed heroin and money. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Quebec City, CA.

Jacobs, E.A. (2002). Human choice in situations of time-based diminishing returns: A negative reinforcement analog. Paper presented at the Association of Behavior Analysis meeting, Toronto, CA.

Jacobs, E.A., Kangas, B. Filwett, V. (2002). Negative-slope schedule performances in rats: Establishing schedule-efficient performances through stimulus control. Poster presented at the annual meeting of the MidAmerican Association for Behavior Analysis, Kalamazoo, MI.

Hackenberg, T.D., Pietras, C.J., Jacobs, E.A., Doreys, N. (2001). Choice and temporally extended units: Evidence from people and pigeons. Paper presented at the Association for Behavior Analysis meeting, Venice, Italy.

Jacobs, E. A., Halvey, C. (2001). Human choice in situations of time-based diminishing returns: A negative reinforcement analog. Poster presented at the annual meeting of the MidAmerican Association for Behavior Analysis, Bloomington, IL.

Jacobs, E.A., Eau Claire, N., Swindler, S. (2001). Avoidance of brief, inescapable disruption of music in humans. Poster presented at the annual meeting of the Association for Behavior Analysis, New Orleans, LA.

Giordano, L.A., Bickel, W. K., Loewenstein, G, Jacobs, E. A., & Marsch, L (2001). Effects of opioid deprivation and temporal proximity to consequences on opioid-dependent outpatients' choices for buprenorphine or money. Poster presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ

Gross, A., Bickel, W. K., & Jacobs, E. A. (2000). A comparison of contingent vouchers versus contingent dose reductions on opioid and cocaine abstinence during buprenorphine treatment: A preliminary analysis. Poster presented at the annual meeting of the College on Problems of Drug Dependence, San Juan, Puerto Rico

Jacobs, E. A., & Bickel, W. K. (1999). Does buprenorphine dosing frequency affect treatment compliance?: Daily versus 2x- versus 3x- per-week dosing. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Acapulco, Mexico

Marsh, L.A., Bickel, W. K., & Jacobs, E.A. (1999). Effectiveness of buprenorphine treatment in reducing drug- and sex-related HIV risk behavior among opioid-dependent individuals. Paper presented at the annual meeting of the College on Problems of Drug Dependence, Acapulco, Mexico

Madden, G.J., Bickel, W.K., & Jacobs, E.A (1999). Three predictions of the economic concept of unit price in a choice context. Poster presented at the Society for Quantitative Analyses of Behavior Conference, Chicago, IL.

Jacobs, E. A., Bickel, W. K., Petry, N. M., & Badger, G. (1998). Buprenorphine-naloxone interactions at peak buprenorphine effects. . Poster presented at the annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.

Jacobs, E.A., & Bickel, W. K. (1998). Behavioral-Economic Analyses of Reinforcement Efficacy: Different procedures Measure Different Elements of Demand Curves. Poster presented at the Association for Behavior Analysis, Orlando, FL.

Jacobs, E. A., Bickel, W. K., Petry, N. M., & Tzanis, E. L., (1997). Sextuple the daily buprenorphine dose may not suppress subjective withdrawal beyond 96 hours. Poster presented at the annual meeting of the College on Problems of Drug Dependence, Nashville, TN.

Jacobs, E.A., Tzanis, E.L., & Bickel, W. K. (1997). Benzodiazepine use among opioid-dependent outpatients II: Some data suggesting benzodiazepine may be an economic substitute for opioids. Poster presented at the Association for Behavior Analysis Convention, Chicago, IL.

Pietras, C. J., Hackenberg, T. D., & Jacobs, E. A. (1996). Patches, preferences and progressive-schedule performances in pigeons and people. Paper presented at the Association for Behavior Analysis Convention, San Francisco, CA.

Vaidya, M., & Jacobs, E.A. (1996). A cultural materialist analysis of the prison industry in the United States. Paper presented at the Association for Behavior Analysis Convention, San Francisco, CA.

Jacobs, E.A., & Hackenberg, T.D. (1995). Human performance on negative-slope schedules of reinforcement: A test of reinforcement density maximization. Paper presented at the Association for Behavior Analysis Convention, Washington, D.C.

Jacobs, E.A., & Hackenberg, T.D. (1995). Human performance on negative-slope schedules of reinforcement: An analysis of interresponse times preceding reinforcement. Poster presented at the Southeastern Association for Behavior Analysis Conference, Charleston, SC.

Jacobs, E.A., & Vaidya, M. (1995). Prisons: A well managed, non-polluting, long-term industry? Poster presented at The International Behaviorology Association Convention, Gainesville, FL.

Jacobs, E.A., & Hackenberg, T.D. (1994). Human performance on negative-slope schedules of reinforcement: A test of reinforcement density maximization. Poster presented at the Southeastern Association for Behavior Analysis Conference, Savannah, GA.

Pietras, C.J., Hackenberg, T.D., & Jacobs, E.A. (1994). The effects of initial-link schedule values on pigeons' choices in situations of diminishing returns. Poster presented at the Association for Behavior Analysis Convention, Atlanta, GA.

Dougherty, D., Pietras, C.J., Jacobs, E.A., & Hackenberg, T.D. (1993). Pigeons' choices in situations of diminishing returns: Do initial links matter? Poster presented at the Association for Behavior Analysis Convention, Chicago, IL.

Jacobs, E.A., Pitts, R.C., & Malagodi, E.F. (1993). An assessment of escape and stimulus change induced by a regressive-ratio schedule of grain presentation in pigeons. Poster presented at the Southeastern Association for Behavior Analysis Conference, Chapel Hill, NC.

Pitts, R.C., Jacobs, E.A., & Malagodi, E. F. (1992). Schedule induced time out: Escape or stimulus change. Paper presented at the Association for Behavior Analysis Convention, San Francisco, CA.

Jacobs, E.A., & Hackenberg, T.D. (1992). Some counterintuitive aspects of counters. Poster presented at the Association for Behavior Analysis Convention, San Francisco, CA.

Jacobs E.A., & Hackenberg, T. D. (1991). A parametric analysis of humans' choices in situations of time-based diminishing returns. Poster presented at the Southeastern Association for Behavior Analysis Conference, Charleston, SC.

**G. Other**

None.

**V. Publications.****A. Books**

None.

**B. Articles in Professional Journal**

Vonder Haar, C., Smith, T. R., French, E. J., Martens, K. M., Jacobs, E.A., & Hoane, M.R. (2014). Simple Tone Discriminations are Disrupted Following Experimental Frontal Traumatic Brain Injury in Rats. *Brain Injury*, 28, 235-243.

Hutsell, B. A., & Jacobs, E. A. (2013). Attention and psychophysics in the development of stimulus control. *Journal Of The Experimental Analysis Of Behavior*, 100(3), 282-300. doi:10.1002/jeab.54

Pietras, C. J., Reilly, M. P., & Jacobs, E. A. (2013). Moving forward without changing course. *The Behavior Analyst*, 36(1), 145-149.

Young, M. E., Webb, T. L., Rung, J. M., & Jacobs, E. A. (2013). Sensitivity to changing contingencies in an impulsivity task. *Journal of the Experimental Analysis of Behavior*, 99(3), 335-345. doi:10.1002/jeab.24

Young, M. E., Webb, T. L., Sutherland, S. C., & Jacobs, E. A. (2013). Magnitude effects for experienced rewards at short delays in the escalating interest task. *Psychonomic Bulletin & Review*, 20(2), 302-309. doi:10.3758/s13423-012-0350-7

Hutsell, B. A., & Jacobs, E. A. (2012). Rapid Acquisition of Bias in Signal Detection: Dynamics of Effective Reinforcement Allocation. *Journal of the Experimental Analysis of Behavior*, 97, 29-49.

Young, M.E., Webb, T.L., & Jacobs, E.A. (2011). Deciding when to “cash in” when outcomes are continuously improving. *Behavioural Processes*, 88, 101-110.

Badger, G. J., Bickel, W. K., Giordano, L. A., Jacobs, E. A., Loewenstein, G., & Marsch, L. (2007). Altered states: The impact of immediate craving on the valuation of current and future opioids. *Journal of Health Economics*, 26(5), 865-876.

Dixon, M.R., Jacobs, E.A., & Sanders, S. (2006). Contextual control of delay discounting in gamblers. *Journal of Applied Behavior Analysis*, 39, 413-422.

Marsch, L. A., Bickel, W. K., Badger, G. J., & Jacobs, E. A. (2005). Buprenorphine Treatment for Opioid Dependence: The Relative Efficacy of Daily, Twice and Thrice Weekly Dosing. *Drug and Alcohol Dependence*. 77, 195-205.

Dixon, M. R., Jacobs, E. A., Sanders, S., Guercio, J., Soldner, J., Parker-Singler, S., Robinson, A., Small, S. L., & Dillon, J. (2005). Impulsivity, self-control, and delay discounting in persons with acquired brain injury. *Behavioral Interventions*, *20*, 101-120.

Dixon, M. R., Marley, J., & Jacobs, E. A. (2003). Delay Discounting in Pathological Gamblers. *Journal of Applied Behavior Analysis*, *36*, 449-459.

Giordano, L.A., Bickel, W. K., Loewenstein, G, Jacobs, E. A., & Marsch, L (2002). Mild opioid deprivation increases the degree that opioid-dependent outpatients discount delayed heroin and money. *Psychopharmacology*. Vol 163(2),174 – 182.

Gross, A., Jacobs, E.A., Petry, N. M., Badger, G. J., & Bickel, (2001). Limits to buprenorphine dosing: A comparison between quintuple and sextuple the maintenance dose every 5 days. *Drug and Alcohol Dependence*, *64*, 111-116.

Jacobs, E.A., & Hackenberg, T.D. (2000). Human performance on negative-slope schedules of reinforcement: A test of reinforcement maximization. *Journal of the Experimental Analysis of Behavior*, *73*, 241-260.

Madden, G.J., Bickel, W.K., & Jacobs, E.A (2000). Three predictions of the economic concept of unit price in a choice context. *Journal of the Experimental Analysis of Behavior*, *73*, 45-64.

Jacobs, E.A., & Bickel, W. K. (1999). Modeling drug consumption in the clinic using simulation procedures: Demand for heroin and cigarettes in opioid-dependent outpatients. *Experimental and Clinical Psychopharmacology*. *7*, 412-426.

Madden, G.J., Bickel, W.K., & Jacobs, E.A. (1999). Discounting of delayed rewards in opioid-dependent outpatients: Exponential or hyperbolic discounting functions. *Experimental and Clinical Psychopharmacology*, *7*, 284-293.

Jacobs, E.A., & Hackenberg, T.D. (1996). Humans' choices in situations of time-based diminishing returns: Effects of fixed-interval duration and progressive-interval step size. *Journal of the Experimental Analysis of Behavior*, *65*, 5-19.

**C. Creative Contributions**

None.

**D. Chapters in Professional Books**

Jacobs, E.A., Borerro, J. C., & Vollmer, T. R. (2013). Translational Applications of Quantitative Choice Models. In Madden, G. J. (Editor-in-Chief), Dube, W. V., Hanley, G. P. (Associate Editors). *APA Handbook of Behavior Analysis: Volume 2*. Washington, D.C.: American Psychological Association.

**E. Book Reviews**

None.

## F. Other

### Published Letters

Jacobs, E.A., & Bickel W.K. (1999). Precipitated withdrawal in an opioid-dependent outpatient receiving alternate-day buprenorphine dosing. *Addiction*, *94*, 140-141.

### Published Abstracts

Giordano, L.A., Bickel, W. K., Loewenstein, G, Jacobs, E. A., & Marsch, L. (2002). Effects of opioid deprivation and temporal proximity to consequences on opioid-dependent outpatients' choices for buprenorphine or money. In: L.S. Harris (Ed), *Problems of Drug Dependence 2001: Proceedings of the 63rd Annual Scientific Meeting*, NIDA Research Monograph 182. (Abstract)

Gross, A., Bickel, W. K., & Jacobs, E. A. (2001). A comparison of contingent vouchers versus contingent dose reductions on opioid and cocaine abstinence during buprenorphine treatment: A preliminary analysis. In: L.S. Harris (Ed), *Problems of Drug Dependence 2000: Proceedings of the 62<sup>nd</sup> Annual Scientific Meeting*, NIDA Research Monograph 181. (Abstract)

Bickel, W.K., Jacobs, E.A., Badger, G (2000). Does buprenorphine dosing frequency affect treatment compliance. *American Journal on Addictions*, *9*(2), 184-184. (Abstract)

Jacobs, E. A., & Bickel, W. K. (2000). Does buprenorphine dosing frequency affect treatment compliance?: Daily versus 2x- versus 3x- per-week dosing. In: L.S. Harris (Ed), *Problems of Drug Dependence 1999: Proceedings of the 61<sup>st</sup> Annual Scientific Meeting*, NIDA Research Monograph 180. (Abstract)

Marsh, L.A., Bickel, W. K., & Jacobs, E.A. (2000). Effectiveness of buprenorphine treatment in reducing drug- and sex-related HIV risk behavior among opioid-dependent individuals. In: L.S. Harris (Ed), *Problems of Drug Dependence 1999: Proceedings of the 61<sup>st</sup> Annual Scientific Meeting*, NIDA Research Monograph 180. (Abstract)

Jacobs, E. A., Bickel, W. K., Petry, N. M., & Badger, G. (1999). Buprenorphine-naloxone interactions at peak buprenorphine effects. In: L.S. Harris (Ed), *Problems of Drug Dependence 1999: Proceedings of the 60th Annual Scientific Meeting*, NIDA Research Monograph 179. (Abstract)

Jacobs, E. A., Bickel, W. K., Petry, N. M., & Tzanis, E. L. (1998). Sextuple the daily buprenorphine dose may not suppress subjective withdrawal beyond 96 hours. In: L.S. Harris (Ed), *Problems of Drug Dependence 1997: Proceedings of the 59<sup>th</sup> Annual Scientific Meeting*, NIDA Research Monograph 178. (Abstract)

Jacobs, E.A., & Hackenberg, T.D. (1992). A parametric analysis of humans' choices in situations of time-based diminishing returns. Proceedings of the 18<sup>th</sup> Annual Association for Behavior Analysis Convention, 135. (Abstract)

Jacobs, E.A., & Hackenberg, T.D. (1992). Some counterintuitive aspects of counters. Experimental Analysis of Human Behavior Bulletin, 9, (2). (Abstract)

### **Technical Reports**

Hughes, G.K., Service, A., Jacobs, E.A., Sagrestano, L. M., & McKillip, J. (2000). Focus group study of a survey about genetically modified organisms. Report for Wanke Moon, Agribusiness Economics Department, Southern Illinois University, Carbondale

## **VII. Teaching Experience**

### **A. Teaching Interests & Specialities**

Learning/ Behavior Analysis, Applied Learning/ Applied Behavior Analysis, History and Systems of Psychology, Behavioral Ecology, Behavioral Pharmacology, Behaviorism & Contemporary Society, Motivation

### **B. Teaching and Training Grants**

None.

### **C. Teaching Awards and Honors**

Psi Chi Psychology Teacher of the Year, Southern Illinois University at Carbondale, 2000

### **D. Current Graduate Faculty Status:**

### **E. Number of Master's and Ph.D. Committees on which I have served.**

#### **Dissertation Committees:**

Jeff Cashin (Fall, 02)

Roberto Limongi

Tiffanie Marcus (August, 2002)

Laura A. Mastrangelo (Prospectus, FA04)

Olga Nikonova

Taunjah Bell

Greg Asgaard

Steve Neese

Joshua S. Beckmann

Andrea Quigley

Debbie Racey

Blake Hutsell (Chair)

J. Adam Bennett (Western Michigan University)

Steven Sutherland



Kris Martens  
Travis Smith (Chair)  
Cole Vonder Haar  
Herman "Gus" Diggs  
Todd Peterson  
James Cole (Chair)  
Jared Klotz (Chair)  
Nan Zhang (Marketing)

**Master's Committees:**

Jim Jackson (Behavior Analysis & Therapy)  
Jennifer Mrnak (SP05)  
Jeremiah Edwards  
Deb Williams  
Virginia Koeler (Behavior Analysis & Therapy, Prospectus, SP04)  
Joshua S. Beckmann  
Scott Sanders (Behavior Analysis & Therapy, Prospectus FA03)  
Jie Liu (MCMA, Through Prospectus, FA03)  
Heather Kaiser (FA03)  
Hayley Dawson (FA03)  
Janice Marley (Behavior Analysis & Therapy, SP03)  
Rodney Roosevelt (FA02)  
Georgia Hughes (Chair)  
Blake Hutsell (Chair)  
Kris Martens  
Herman Diggs  
Steven Sutherland  
Cole Vonder Haar  
Travis Smith (Chair)  
Jared Klotz (Chair)  
Tara Webb

**F. Names of Master's and Doctoral Candidates under my direction**

**Master's Thesis:**

Georgia Hughes (August, 2002)  
Blake Hutsell (December, 2007)  
Jeremiah Edwards  
Travis Smith (2012)  
Jared Klotz (2012)  
Charles "Casey" Frye

**Doctoral Dissertation:**

Blake Hutsell (December, 2009)  
Travis Smith  
Jared Klotz

James Cole

## **G. Other**

### **Specialization Committees**

Andrew Wheeler  
Kenji Yamazaki  
Laura A. Mastrangelo  
Taunjah Bell  
Blake Hutsell

### **Undergraduate Honor's Students under my direction**

Meghan Fidler (2001 – 2002)  
Brian Kangas (2002 - 2003)  
Vaughan Filwett (2002 – 2003)  
Seth Clark (2006 - 2007)  
Courni Bean (2007 – 2008)  
Amanda Baumgartner (2011-2012)  
Eric French (Co Advisor: Hoane, 2012-2013)  
Victoria Mendez (2012-2013)  
Samuel Jordan (2012-2013)

### **Supervised Chancellor's Undergraduate Research/Creativity Awardees**

Brian Kangas (2002 – 2003)  
Sean Clark (2003 – 2004)  
Mario Romano (2005 – 2006)  
Kevin Loyd (2008-2009)  
Amanda Baumgartner (2011-2012)  
Eric French (Co Advisor: Hoane, 2012-2013)

### **Undergraduate Research Assistantship Recipients**

Brian Kangas (FA 02 – SP03)  
Rachel Ward (Fa 04-Sp 05)  
Mario Romano (FA05- SP06)  
Kevin Loyd (2008-2009)  
Amanda Baumgartner (2011-2012)  
Eric French (Co Advisor: Hoane, 2012-2013)

## **VII. University Experience**

### **A. Department Committees**

Admissions Committee (2001-2005)  
Undergraduate Program Committee (2000-2009)  
Faculty Search Committees--5  
Applied ('01)  
BCS ('03, '02, '01, '99)

### **B. College and University Committees and Councils**

Richard and Donna Falvo Outstanding Dissertation Award Selection Committee for the Graduate School (2008 -2009)

Outstanding Master's Thesis Committee (2007-2008)

**C. Other**

**9/00 – 8/07** –Faculty advisor to the undergraduate service organizations--Psychology Students Association & Psi Chi

**12/99** Faculty participant in Saluki's Finals Finish program

**9/99 – 5/00** - Serving as a mentor in the Student Development mentoring program.

**VIII. Professional Service**

**A. Membership in Professional Affiliations**

Association for Behavior Analysis  
American Psychological Association  
Southeastern Association for Behavior Analysis  
Society for the Quantitative Analyses of Behavior  
MidAmerican Association for Behavior Analysis  
Division 25 of the American Psychological Association  
Experimental Analysis of Human Behavior Special Interest Group  
American Psychological Association

**B. Offices Held and Honors Awarded in Professional Associations**

Past-President Division 25 of the American Psychological Association  
2014-2015  
President, Division 25 of the American Psychological Association  
2013-2014  
President-Elect, Division 25 of the American Psychological Association  
2011-2012  
Secretary-Treasurer, Division 25 of the American Psychological Association  
2011-Present  
Co-Chair Experimental Analysis of Human Behavior Special Interest Group  
2004 - Present  
Division 25 Membership Chair  
2001 – 2010  
Program Co-Chair for Division 25 of the American Psychological Association  
2005 - 2008  
Past-President Southeastern Association for Behavior Analysis  
2005 - 2006  
President Southeastern Association for Behavior Analysis  
2005 - 2006  
President Elect Southeastern Association for Behavior Analysis  
2004 - 2005  
Program Chair for the 2003 Southeastern Association for Behavior Analysis  
Convention

Program Co-Chair for the 2002 MidAmerican Association of Behavior Analysis Convention, Kalamazoo, MI

**C. Consultantships.**

None.

**D. Evaluation of Manuscripts for Journals and Book Publishers and of Grant Proposals for Agencies**

**Editorial Appointments**

Co-editor of *Experimental Analysis of Human Behavior Bulletin*  
(2004-2013)

**Editorial Board Membership**

*Journal of the Experimental Analysis of Behavior*  
(2009-2011)

*Behavior Analyst*  
(2003-2005)  
(2007-2009)

**Ad-hoc Reviewer for:**

*Behavior Analyst*  
*Behavioural Processes*  
*Experimental Analysis of Human Behavior Bulletin*  
*Journal of Applied Behavior Analysis*  
*Journal of the Experimental Analysis of Behavior*  
*Nicotine and Tobacco Research*  
*Psychological Record*  
*Experimental & Clinical Psychopharmacology*

**E. Papers and Presentations at Professional Meetings**

Vaidya, M., Jacobs E.A. (2010) The Experimental Analysis of Behavior Special Interest Group. Poster presented at the annual meeting of the Association for Behavior Analysis, San Antonio, TX..

Pietras, C.J., Jacobs E.A. (2009) The Experimental Analysis of Behavior Special Interest Group. Poster presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.

Pietras, C.J., Jacobs E.A. (2008) The Experimental Analysis of Behavior Special Interest Group. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Jacobs, E.A., Pietras, C.J., Anderson, K. G., Lawrence, P.S., & Williams, D.C. (2007) SEABA—Applied or Basic: It's the Science. Poster presented at the annual meeting of the Association for Behavior Analysis, San Diego, CA.

Pietras, C.J., Jacobs E.A., O'Donnell, J.M. (2007) The Experimental Analysis of Behavior Special Interest Group. Poster presented at the annual meeting of the Association for Behavior Analysis, San Diego, CA.

Pietras, C.J., Jacobs E.A., O'Donnell, J.M. (2006) The Experimental Analysis of Behavior Special Interest Group. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Pietras, C.J., Jacobs E.A., O'Donnell, J.M., Kraft, J.R., (2005) The Experimental Analysis of Behavior Special Interest Group. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Jacobs, E.A. (2010). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, San Antonio, TX.

Jacobs, E.A. (2009). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.

Jacobs, E.A. (2008). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Jacobs, E.A. (2007). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, San Diego, CA.

Jacobs, E.A. (2006). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Jacobs, E.A. (2005). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

Jacobs, E.A. (2004). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, Boston, MA.

Jacobs, E.A. (2003). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, San Francisco, CA.

Jacobs, E.A. (2002). "Division 25 of the APA." Poster presented at the annual meeting of the Association for Behavior Analysis, Toronto, CA.

Jacobs, E.A. (2002). "Experimental analysis of choice: Species continuity in sensitivity to delayed consequences." Symposium presented at the annual meeting of the Association for Behavior Analysis, Toronto, CA

Jacobs, E.A. (2002). "Experimental Analysis of Social Behavior." Symposium presented at the annual meeting of the MidAmerican Association of Behavior Analysis Convention, Bloomington, IL.

**F. Other.**

None.

**G. Community Service**

Provide Lecture & Lab Tour for Illinois Junior Science & Humanities Symposium, Fall 2000

Annually judge projects at the Illinois Junior Academy of Science Region 8 Science Fair