

Curriculum vitae

MICHAEL J. BERAN, PH.D.

**Associate Professor of Psychology
Co-Director, Language Research Center
Associate Member of the Neuroscience Institute
Affiliated Faculty Member of the Honors College
College of Arts and Sciences
Georgia State University**

Jump to:

[Education](#)

[Honors](#)

[Positions](#)

[Associations and Service](#)

[Mentoring](#)

[Grant Funding](#)

[Books](#)

[Journal Publications](#)

[Book Chapters and Articles](#)

[Book Reviews](#)

[Abstracts](#)

[Invited Presentations](#)

[Conference Presentations](#)

[Media Coverage](#)

[Teaching](#)

[Community Outreach](#)

CONTACT INFORMATION:

Business Address: Department of Psychology
Georgia State University
P.O. Box 5010
Atlanta, GA 30302-5010

E-Mail Address: mberan1@gsu.edu

Web Site: www.mjberan.com

EDUCATIONAL HISTORY:

Oglethorpe University, Atlanta, Georgia

Degree: B. A. (1995) *Cum Laude*
Major: Psychology
Minor: Political Studies

Georgia State University, Atlanta, Georgia

Degree: M. A. (1997)

Program: Psychological Sciences: Cognitive and Comparative
Masters Thesis: *Delay of Gratification in Chimpanzees (Pan troglodytes)*

Chair: Duane M. Rumbaugh, Ph.D.

Degree: Ph.D. (2002)
Program: Cognitive Psychology
Dissertation: *Numerical Reasoning by Chimpanzees: Analogues of Addition, Subtraction, and Multiplication*

Chair: David A. Washburn, Ph.D.

PAST PROFESSIONAL POSITIONS:

Graduate Research Assistant, Language Research Center, Georgia State University, Atlanta, Georgia (1995-1999)

Research Associate I, Language Research Center, Georgia State University (1999-2002)

Post-Doctoral Associate, Georgia State University (2003-2005)

Research Associate II, Language Research Center, Georgia State University (2003-2005)

Duane M. Rumbaugh Fellow, Georgia State University (2002-2005)

Research Scientist I, Language Research Center, Georgia State University, Atlanta (2005-2009)

Lecturer, Department of Psychology, Spelman College, Atlanta (2003-2007)

Lecturer, Department of Psychology, Georgia State University (2008-2010)

Senior Research Scientist, Language Research Center, Georgia State University, Atlanta (2009-2015)

Associate Director, Language Research Center, Georgia State University (2012-2019)

Interim Director, Language Research Center, Georgia State University (2019)

HONORS AND AWARDS:

Psi Chi, The National Honor Society in Psychology, 1995

Pi Gamma Mu, The International Honor Society in Social Science, 1997

Bailey Wade Memorial Award, Georgia State University, 1998

Griffith Memorial Award, Southern Society for Philosophy and Psychology, 1999

Outstanding Psychology Graduate Student Award, Georgia State Univ., 2002

Duane M. Rumbaugh Fellowship, Georgia State University, 2002-2005

National Academy of Sciences Travel Grant to the International Congress of Psychology (sponsored by NSF), 2004

Young Psychologist Program, International Congress of Psychology, 2004

Brenda A. Milner Award, Division 6, American Psychological Association, 2005

APA Fellow – American Psychological Association, Division 6, 2007

Top Reviewer – *Behavioural Processes*, 2009

APA-USNC Mentoring Award for the International Congress of Psychology, 2012

President, Southern Society for Philosophy and Psychology, 2013-2014
B. F. Skinner Lecturer, Association of Behavior Analysts International, 2013
Fellow, Psychonomic Society, 2014
APA Fellow – American Psychological Association, Division 3, 2016
Honorary Life Member, Southern Society for Philosophy and Psychology, 2017
President, Southeastern Psychological Association, 2018-2019
President, Society for Comparative Psychology and Behavioral Neuroscience
(Division 6, APA), 2018-2019

RESEARCH INTERESTS:

Comparative Learning and Behavior; Animal Cognition; Numerical Cognition; Delay of Gratification; Self-Control; Metacognition; Memory; Behavioral Primatology; Decision Making; Prospective Memory; Planning; Speech Perception; Visual Illusions

PROFESSIONAL ASSOCIATIONS:

American Psychological Association,
Fellow – Division 3, Division 6
Member - Division 2
Association for Psychological Science
Psychonomic Society
Associate Member - 2003-2007
Full Member – 2008-2013
Fellow - 2014
Southern Society for Philosophy and Psychology
Honorary Life Member
Comparative Cognition Society
Founding Member
International Society for Comparative Psychology
International Association for Metacognition
Southeastern Psychological Association
American Society of Primatologists
Society for Computers in Psychology
Society for Judgment and Decision Making

PROFESSIONAL SERVICE:

Editor:

Animal Behavior and Cognition (2016 - 2021)

Board of Editors:

Cognition (2015 - present)

Frontiers in Comparative Psychology (2010 - present)

Journal of Comparative Psychology (2012 – present)

Comparative Cognition & Behavior Reviews (2015 - present)
Learning & Behavior (2015 - present)
Journal of Experimental Psychology: Animal Learning and Cognition (2013 - 2019)
Animal Cognition (2014 - present)
International Journal of Comparative Psychology (2006 - present)
PsycCRITIQUES (2014-2017)
The Psychological Record (2010 - 2012)
Journal of Experimental Psychology: Animal Behavior Processes (2007 – 2009)

Journal Reviewer:

American Journal of Primatology; Animal Behavior and Cognition; Animal Behaviour; Animal Cognition; Animal Sentience; Behaviour; Behavioural Brain Research; Behavioural Processes; Biology Letters; Brain and Cognition; Cognition; Cognitive Development; Cognitive Science; Comparative Cognition and Behavior Reviews, Current Biology; Developmental Psychobiology; Developmental Science; Ethology; Experimental Brain Research; Hormones and Behavior; Infancy; International Journal of Comparative Psychology; International Journal of Primatology; Journal of Cognitive Neuroscience; Journal of Comparative Psychology; Journal of Ethology; Journal of Experimental Biology; Journal of Experimental Child Psychology; Journal of Experimental Psychology: Animal Behavior Processes; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, Cognition; Journal of the Experimental Analysis of Behavior; Learning and Behavior; Learning and Motivation; Nature Communications; Philosophical Psychology; PLoS Biology; PLoS One; Primates; Proceedings of the National Academy of Sciences; Proceedings of the Royal Society; Psychological Record; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Science; Scientific Reports; Social Forces; Social Justice Research; Trends in Cognitive Sciences; WIREs Cognitive Science

Grant Reviewer:

National Institutes of Health
ZRG1 AARR-F – 2009/2010
National Science Foundation
PAC College of Reviewers – 2013-2018
Cognitive Neuroscience Program – 2008
IOS – Animal Behavior - 2010
European Science Foundation
College of Expert Reviewers – 2016-2019
External reviewer - 2009-2011

Konrad Lorenz Institute – 2010
Austrian Science Fund – 2011, 2015
Marsden Fund – 2012
ETHZ Postdoctoral Fellowship Program – 2019
Biotechnology and Biological Sciences Research Council – 2019
APA Dissertation Research Awards - 2019

American Psychological Association

Division 3 Executive Council, Member-at-Large – 2014-2017
Division 6 Executive Council, Member-at-Large – 2011-2013
Division 3 Awards Chair – 2009
Division 3 Fellows Chair – 2017-2020
President, Society for Comparative Psychology and Behavioral Neuroscience (Division 6, APA), 2018-2019

Southern Society for Philosophy and Psychology:

President - 2014
Treasurer - 2006-2012
Executive Council - 2004-2006
Chair, Annual Meeting Program, Psychology - 2005
Richard M. Griffith Memorial Award Committee - 2000, 2005, 2006
Webmaster – 2009-2017

Southeastern Psychological Association:

Executive Committee Member-at-Large – 2013-2016
Outstanding Professional Paper Award Committee Chair - 2014
Early Career Research Award Committee Chair – 2014-2016
Annual Meeting Program Committee – 2006-2009, 2016
President – 2018-2019

Psychonomic Society:

Reviewer, 2019 Annual Meeting Graduate Student Awards Review Committee

Book Proposal Reviewer:

Allyn & Bacon Publishers
Thomson Publishers
SAGE Publications
Oxford University Press

Ethics advisor:

European Research Council (ERC-Synergy Project SOMICS 609819) grant entitled “Constructing Social Minds: Coordination, Communication and Cultural Transmission.”

Journal special issue editor:

Beran, M. J. (2019). Animal metacognition: A decade of progress, problems, and the development of new prospects. *Animal Behavior and Cognition*, Volume 6 (4).

Agrillo, C., & Beran, M. J. (Eds.) (2013). Numbers without language: Comparative psychology and the evolution of numerical cognition. *Frontiers in Comparative Psychology*.

Beran, M. J., & Highfill, L. (Eds.) (2011). Individual differences in comparative psychology. *International Journal of Comparative Psychology*, Volume 24 (1).

Organized Symposia:

Symposium "Getting Ready and Getting In: Insights to Applying and Transitioning to Graduate School." Southeastern Psychological Association, 2019

Symposium "Staying In and Staying Healthy: Insights for Positive Mental Health in Graduate School." Southeastern Psychological Association, 2019

Invited Symposium "Happy Birthday to *Animal Intelligence*: Looking Good (But Different) After 100 Years." Southern Society for Philosophy and Psychology, 2011

Invited Symposium "What Primates Know and Remember." Southern Society for Philosophy and Psychology, 2010

Invited Symposium "Animal Minds: Sea Lions and Voles and Bears (and Dolphins and Monkeys), Oh My!" Southeastern Psychological Association, 2009

Invited Symposium "Primate Cognition." International Society for Comparative Psychology, 2008

"How Great Apes Quantify the World Around Them." Southeastern Psychological Association, 2008

"Numerical Competence in Nonhuman Animals: Looking Back, Looking Forward." American Psychological Association, 2007

"A Centennial celebration of Harry F. Harlow: The man, the genius, the rogue?" Southern Society for Philosophy and Psychology, 2005

“Special Session: Former Griffith Award Winners.” Southern Society for Philosophy and Psychology, 2000

Panel Discussant:

“Summit on Psychological Science – Present and Future” American Psychological Association, 2019.

“The Replication Crisis: Methodological End of Days or Psychology at Midlife?” Southeastern Psychological Association, 2019

University Service:

Georgia State University Animal Resources Committee
Georgia State University Emergency Response Committee
GSU Research Conference Judge, 2016, 2018
Institutional Animal Care and Use Committee (2018-2021)
Brains and Behavior Internal Grant Program Review Committee,
Panel Reviewer: 2019

Departmental Service:

Chair, Search Committee for new Chair of Department of Psychology, 2019
Psychology Party Planning Committee: 2019-2020
Psychology Department Executive Committee Member-at-large: 2017-2018, 2018-2019
Psychology Undergraduate Research Conference Judge: 2016, 2018, 2019
Guest lecturer in sections of the Careers course: 2018, 2019
Invocation speaker for Psi Chi, 2018
Member, Psychology Search Committee Member (3 Lecturer Positions): 2016-2017

MENTORING:

Important Note: Students and postdocs working in my lab have been recognized with some really fantastic awards and honors. I am so proud of them for those awards and honors, but I do not list those on my CV, *because they did the work, and they deserve the credit.* When awards come for papers or presentations that I helped them with, I list those below with the paper or presentation, but for other awards *they deserve the credit, and it should be on their CVs, not mine.*

Postdoctoral Mentoring:

Dr. Bonnie Perdue, Georgia State University (May 2011 to August 2013; now Assistant Professor, Department of Psychology, Agnes Scott College)

Dr. Travis Smith, Georgia State University (January 2016 to May 2018; now postdoctoral associate at Kansas State University)

Graduate Student Mentoring:

Audrey E. Parrish, Ph.D. (2010-2015; now Assistant Professor, Department of Psychology, The Citadel); Dissertation (Georgia State University, 2015) – “An investigation of emergent perceptual phenomena in primates: Illusions and biases in decision-making.”

Brielle James (2015-Present)

Kristin French (2016–Present)

Molly Flessert (2017-Present)

Maisy Bowden (2018-Present)

Graduate Student Committee Service:

Dissertations:

Ongoing Julia Watzek (Georgia State University, Department of Psychology)
“Learning from mistakes: Decision-making biases within the primate lineage”
[Committee member]

Ongoing Ryan Brady (Emory University, Department of Psychology)
“A comparative assessment of cognitive control in orangutans, gorillas, and rhesus monkeys”
[Committee member]

Ongoing Amanda Draheim (Georgia State University, Department of Psychology)
“A novel task to assess outcome probability bias for social anxiety”
[Committee member]

2020 Alizée Vernouillet (University of Manitoba, Department of Biological Sciences)
“The influence of the social environment on exploration and caching behavior in highly social pinyon jays and less social Clark’s nutcrackers.”

- 2019 [External Examiner]
Holly Adams (Georgia State University, Department of Psychology)
“The role of executive function in impulsive consumer purchasing behavior.”
[Committee member]
- 2018 Emily Brown (Emory University, Department of Psychology)
“Cognitive control of memory in nonhuman animals”
[Committee member]
- 2018 Samantha Emerson (Georgia State University, Department of Psychology)
“¡Arriba, abajo, al centro, pa’ dentro!: An event-related brain potential study of path- and manner-sensitivity and motion expression.”
[Committee member]
- 2018 Anita Hasni (Georgia State University, Department of Psychology)
“Parent-toddler conversations about desires and beliefs: Characterizing mental state talk between parents and their children with typical development, autism, and developmental delays”
[Committee Member]
- 2018 Amy Lewis (University of St. Andrews, School of Psychology)
“Remembering past events in chimpanzees (*Pan troglodytes*), bonobos (*Pan paniscus*) and orangutans (*Pongo pygmaeus*)”
[Committee member and Viva examiner]
- 2018 Lindsay Mahovetz (Georgia State University, Department of Psychology)
“Tool use in *Pan*: Two modalities, two species”
[Committee member]
- 2018 Lyndsey Pierson (University of Memphis, Department of Biology)
“The effects of diet on the exploratory and sexual behaviors of meadow voles.”
[Committee member]
- 2017 Rachel Diamond (Emory University, Department of Psychology)
“An interference test of the spatial representation of order in nonhuman primates”
[Committee Member]
- 2017 Jennifer Essler (University of Veterinary Medicine of Vienna)
“Inequity aversion in dogs (*Canis lupus familiaris*) and wolves (*Canis lupus*)”

- [Outside Reader and Evaluator]
- 2017 Rebecca Koomen (University of Leipzig, Department of Psychology)
“Exploring the evolutionary and ontogenetic roots of human strategies for overcoming the tragedy of the commons”
[Outside Reader and Evaluator]
- 2017 Laurent Prétôt (Georgia State University, Department of Psychology)
“Factors influencing species performance in a cross-taxon comparative research program”
[Committee Member]
- 2016 Melissa Glasser (Georgia State University, Department of Psychology)
“The influence of others’ goals on young children’s sharing decisions.” [Committee Member]
- 2016 Catherine Talbot (Georgia State University, Department of Psychology)
“Discrimination of faces, sex, and relationships by capuchin monkeys.”
[Committee Member]
- 2015 Audrey Parrish (Georgia State University, Department of Psychology)
“An investigation of emergent perceptual phenomena in primates: Illusions and biases in decision-making.”
[Committee Co-Chair]
- 2013 Natasha Schultz (Georgia State University, Department of Psychology)
“The role of spontaneous retrieval, monitoring and sustained attention in prospective memory.”
[Committee Member]
- 2012 Lisa Heimbauer (Georgia State University, Department of Psychology)
“Investigating speech perception in an evolutionary context: Comparisons of chimpanzee and human abilities”
[Committee Member]
- 2012 Megan Hoffman (Georgia State University, Department of Psychology)

- “A comparative assessment of how rhesus monkeys and 3- to 4-year-old children remember self-agency with spatial, temporal and contextual features in working memory”
[Committee Member]
- 2012 Darby Proctor (Georgia State University, Department of Psychology)
“Gambling and decision making among primates: The Primate Gambling Task”
[Committee Member]
- 2011 Ursula Anderson (Georgia Tech, Department of Psychology)
“Color, shape, and number identity-nonidentity learning and concept formation in orangutans: A comparative perspective with monkeys and nonverbal human infants”
[Committee Member]
- 2011 Andrew Hill (University of Queensland, Department of Psychology)
“Inferential reasoning by exclusion in non-human primates and children”
[Outside Reader and Evaluator]
- 2011 Damian Scarf (Otago University, Department of Psychology)
“Representation of serial order in pigeons (*Columba livia*)”
[Outside Reader and Evaluator]
- 2010 Tim Flemming (Georgia State University, Department of Psychology)
“An analogical paradox for nonhuman primates: Bridging the perceptual-conceptual gap”
[Committee Member]
- 2008 Emily Harris (Georgia State University, Department of Psychology)
“Numerical cognition in rhesus monkeys (*Macaca mulatta*)”
[Committee Member]

Masters Theses:

- Ongoing Molly Flessert (Georgia State University, Department of Psychology)
“Assessing the perception of face pareidolia in children and nonhuman primates”
[Committee Chair]

- Ongoing Maisy Bowden (Georgia State University, Department of Psychology)
 “An evolutionary perspective on the paradox of choice”
 [Committee Chair]
- Ongoing Stella Mayerhoff (Georgia State University, Department of Psychology)
 “File, save, forget: A comparative investigation of the consequences of cognitive offloading”
- 2019 Kristin French (Georgia State University, Department of Psychology)
 “The assessment of cognitive bias in capuchin monkeys”
 [Committee Chair]
- 2019 Meg Sosnowski (Georgia State University, Department of Psychology)
 “Choking” capuchins: Hormonal correlates of performance failure under high pressure”
 [Committee member]
- 2019 Olivia Tomeo (Georgia State University, Department of Psychology)
 “Validation of a modified Balloon Analogue Risk Task and an investigation of the dual hormone hypothesis in capuchin monkeys (*Cebus [Sapajus] apella*)” [Committee member]
- 2018 Brielle James (Georgia State University, Department of Psychology)
 “Remembering more than met the eye: Assessing the mechanisms underlying visual boundary extension in humans (*Homo sapiens*), rhesus monkeys (*Macaca mulatta*), and capuchin monkeys (*Cebus apella*)”
 [Committee Chair]
- 2018 Jennifer Johnson (Georgia State University, Department of Psychology)
 “Animacy's effect on attention and memory in humans and macaques (*Macaca mulatta*)”
 [Committee member]
- 2018 Jesse Leinwand (Georgia State University, Department of Psychology)
 “Capuchin (*Cebus [Sapajus] apella*) change detection”
 [Committee Member]
- 2017 Will Whitham (Georgia State University, Department of Psychology)

- “Randomness and structure to humans and rhesus macaques”
[Committee Member]
- 2016 Antonio Salamanca (Georgia State University, Department of Psychology)
“Individual differences in uncertainty responsiveness and Stroop interference.”
[Committee Member]
- 2014 Melissa Hrabic (Georgia State University, Department of Psychology)
“Children’s ability to imitate a strategy to aid in delaying gratification”
[Committee Member]
- 2014 Sara Price (Georgia State University, Department of Psychology)
“The effects of an experimenter on the response to inequity in the capuchin monkey (*Cebus apella*)”
[Committee Member]
- 2012 Chi Ngai Cheung (Emory University, Department of Psychology)
“Young children’s concept of middle in the domain of number”
[Committee Member]
- 2009 Lisa Heimbauer (Georgia State University, Department of Psychology)
“Perception of synthetic speech by a language-trained chimpanzee (*Pan troglodytes*)”
[Committee Member]
- 2007 Megan Hoffman (Georgia State University, Department of Psychology)
“Memory for ‘what,’ ‘where,’ and ‘when’ information in rhesus monkeys (*Macaca mulatta*) and adult humans”
[Committee Member]
- 2006 Tim Flemming (Georgia State University, Department of Psychology)
“What meaning means for same and different: A comparative study in analogical reasoning”
[Committee Member]
- 2004 Emily Harris (Georgia State University, Department of Psychology)
“Numerical labeling of sequentially completed maze trials by rhesus monkeys (*Macaca mulatta*)”
[Committee Member]

General Examinations:

- 2012 Audrey Parrish (Georgia State University, Department of Psychology
[Committee Member])
- 2016 Amanda Clevinger (Georgia State University, Department of Psychology
[Committee Member])
- 2018 Alesha Bond (Georgia State University, Department of Psychology
[Committee Member])
- 2019 Meg Sosnowski (Georgia State University, Department of Psychology
[Committee Member])
- 2019 Olivia Reilly (Georgia State University, Department of Psychology
[Committee Member])
- 2020 Brielle James (Georgia State University, Department of Psychology
[Committee Chair])

Undergraduate Honors Thesis:

- 2019 Isabel Medellin (Georgia State University)
“Assessing the relation of metacognition and executive function tasks in preschool children”
[Advisor]

Undergraduate and Postbac Student Mentoring:

** indicates that a student is/was a University Assistant*

*** indicates a student conducting an Honors Thesis in my lab*

Brendan Finton, Georgia Institute of Technology (Summer 2006)
Chasity Ratliff, Southeast Missouri State University (Summer 2008)
Daniel Hoyle, Georgia State University (Fall 2009 – Spring 2010)
Joseph McIntyre, Kennesaw State University (2010 – 2011)
Emilie Menzel, Wellesley College (2011-2012)
Sara Futch, Wofford College (Summer 2014-2015)
Ella Brown - Agnes Scott College (2015)
Martha Vorder Bruegge - Agnes Scott College (2015)
Ishara Emerson, Spelman College (Summer 2015)
Bradlyn Walker, Georgia State University (2014-2015)

Victoria Kelly, Georgia State University (2016)
Peggy Luk, Georgia State University (2016)
Anamaria Otalora-Garcia, University of Georgia (Summer 2016)
Rebecca Moss, Georgia State University (2016)*
Myah Vogt, Georgia State University (2017)*
Carlos Corea, University of Georgia (2017)
Asia Harris, Georgia State University (2018)
Yvonne Sims, Georgia State University (2018)
Joel Shimada, Georgia State University (2018)
Isabel Medellin, Georgia State University (2018)**

High School Student Mentoring:

Elyce Afrifa, Herbert H. Lehman High School, New York (2016-2017)

FUNDING (EXTRAMURAL AND INTRAMURAL) – Total awarded – \$6,256,908

External Grants:

2017 – 2020	Co-principal investigator Collaborative Research: Impacts of social context and ecology on strategic decisions in dynamic interactions National Science Foundation SES1658867 Total funding - \$415,292
2016 – 2020	Principal investigator Confidence judgments and metacognition in comparative and developmental perspective National Science Foundation – BCS1552405 Total funding - \$592,087
2014 – 2018	Co-principal investigator Expectations about reward outcomes National Science Foundation – Grant SES 1425216. Total funding - \$394,563
2013 – 2016	Co-investigator (PI - Sarah Brosnan) The prosocial brain: Evolution of the human capacity for empathy, compassion and cooperation Templeton Foundation Total funding - \$743,661
2011 – 2016	Co-principal investigator Primate and human social decision making National Science Foundation – Grant SES 1123897 Total funding - \$475,217

2010 – 2015	Principal investigator The emergence of self-control: Comparative behavioral and neurobiological assessments NICHD (NIH) – P01HD060563 Total funding - \$455,880
2010 – 2015	Principal investigator (PI-PD) Metacognition in comparative perspective NICHD (NIH) – R01HD061455 Total funding - \$1,059,854
2010 – 2015	Co-principal investigator Metacognition in comparative perspective National Science Foundation – Grant BCS 0956993. Total funding - \$224,640
2009 – 2013	Principal investigator Comparative investigations of future-oriented cognitive processes National Science Foundation – BCS0924811 Total funding - \$400,523
2007 – 2011	Co-principal investigator Collaborative research: Understanding strategic economic interactions in monkeys, apes, and humans National Science Foundation – SES0729244 Total funding - \$514,658
2006 – 2010	Co-principal investigator Metacognition as a precursor to self-consciousness: evolution, development, and epistemology National Science Foundation - BCS0634662 Total funding - \$215,881
2004 – 2010	Principal investigator Comparative studies of numerical cognition in human and nonhuman primates NICHD (NIH) – P01HD38051 Total direct costs - \$200,200
1999 – 2004	Co-investigator (PI – James Pate) The emergence of symbolic processing in human and nonhuman primates NICHD (NIH) – P01-HD38051 Total funding - \$139,641

Internal Grants:

- 2017 – 2018 Co-investigator (PI – David Washburn)
Training monkeys to self-restrain for studies of brain-behavior relations
GSU Brains and Behavior Seed Grant
Total funding - \$29,700
- 2016 – 2017 Principal investigator
Metacognitive confidence judgments during solitary and group decision-making
GSU Research Initiation Grant
Total funding - \$19,525
- 2015 – 2016 Co-investigator (PI – Rob Latzman)
Disentangling the multiple processes of self-control
GSU/Georgia Tech CABI Seed Grant
- 2010 – 2011 Co-investigator (PI – David Washburn)
An ERP study of monkey responses to speech sounds
GSU Language and Literacy Seed Grant
Total funding - \$32,000
- 2008 – 2009 Co-investigator (PI – Rebecca Williamson)
The role of source evaluation in the capacity to learn language
GSU Language and Literacy Seed Grant
Total funding - \$16,000

BOOKS AND EDITED VOLUMES

1. Beran, M. J. (2018). *Self-control in animals and people*. London: Academic Press.
2. Agrillo, C., & Beran, M. J. (2013). *Numbers without language: Comparative psychology and the evolution of numerical cognition*. Frontiers Media SA. [e-Book]
3. Beran, M. J., Brandl, J., Perner, J., & Proust, J. (Eds.) (2012). *Foundations of Metacognition*. Oxford, UK: Oxford University Press.

PEER REVIEWED JOURNAL ARTICLES (Student authors in bold):

1. Parrish, A. E., **French, K. A., Guild, A. S.**, Creamer, C. L., Rossette, M S., & Beran, M. J. (in press). The density bias: Capuchin monkeys

- (*Sapajus apella*) prefer densely arranged items in a food-choice task. *Journal of Comparative Psychology*.
2. Smith, T. R., & Beran, M. J. (in press). Outcome expectancy and suboptimal risky choice in nonhuman primates. *Learning & Behavior*.
 3. Smith, T. R., Parrish, A. E., Creamer, C., Rossettie, M., & Beran, M. J. (in press). Capuchin monkeys (sometimes) go when they know: Confidence movements in *Sapajus apella*. *Cognition*.
 4. Addessi, E., Bourgeois-Gironde, S., Beran, M. J., Brosnan, S. F., & Leca, J-B. (2020). Are the roots of human economic systems shared with non-human primates? *Neuroscience and Biobehavioral Reviews*, 109, 1-15.
 5. Agrillo, C., Beran, M. J., & Parrish, A. E. (2019). Exploring the Jastrow illusion in humans (*Homo sapiens*), rhesus monkeys (*Macaca mulatta*) and capuchin monkeys (*Sapajus apella*). *Perception*, 48, 367-385.
 6. Beran, M. J. (2019). Animal metacognition: A decade of progress, problems, and the development of new prospects. *Animal Behavior and Cognition*, 6, 223-229.
 7. Beran, M. J. (2019). All hail suboptimal choice: Now, can we “fix” it? *Comparative Cognition and Behavior Reviews*, 14, 19-23.
 8. Beran, M. J., **French, K.**, Smith, T. R., & Parrish, A. E. (2019). Limited evidence of number-space mapping in rhesus monkeys (*Macaca mulatta*) and capuchin monkeys (*Sapajus apella*). *Journal of Comparative Psychology*, 133, 281-293.
 9. Beran, M. J., Kelly, A. J., Perdue, B. M., **Whitham, W.**, **Love, M.**, **Kelly, V.**, & Parrish, A. E. (2019). Divide and conquer: Preschool children can assign the hardest tasks to a symbolic helper. *Experimental Psychology*, 66, 296-309.
 10. Church, B. S., **Jackson, B. N.**, Beran, M. J., & Smith, J. D. (2019). Simultaneous vs. prospective/retrospective uncertainty monitoring: The effect of response competition across cognitive levels. *Journal of Experimental Psychology: Animal Learning and Cognition*, 45, 311-321.
 11. Many Primates, Altschul, D. M., Beran, M. J., Bohn, M., Call, J., DeTroy, S., Duguid, S. J., et al. (2019). Establishing an infrastructure for collaboration in primate cognition research. *PLoS ONE*, 14, e0223675.
 12. Parrish, A. E., Beran, M. J., & Agrillo, C. (2019). Linear numerosity illusions in capuchin monkeys (*Sapajus apella*), rhesus macaques

- (*Macaca mulatta*), and humans (*Homo sapiens*). *Animal Cognition*, 22, 883-895.
13. Beran, M. J. (2018). Monkey memory: Rehearsal emerges for novel images when familiarity cues fade. *Current Biology*, 28, R1399-R1400.
 14. Beran, M. J. (2018). Replication and pre-registration in comparative psychology. *International Journal of Comparative Psychology*, 31.
 15. Beran, M. J., & Hopkins, W. D. (2018). Self-control in chimpanzees relates to general intelligence. *Current Biology*, 28, 574-579.
 16. **French, K.**, Beran, M. J., Espy, K., & Washburn, D. A. (2018). Simians in the Shape School: A comparative study of executive attention. *Learning & Behavior*, 46, 281-293.
 17. Heimbauer, L. A., Beran, M. J., & Owren, M. J. (2018). A chimpanzee's (*Pan troglodytes*) perception of variations in speech: Identification of familiar words when whispered and when spoken by a variety of talkers. *International Journal of Comparative Psychology*, 31.
 18. Heimbauer, L. A., Conway, C. M., Christiansen, M. H., Beran, M. J., & Owren, M. J. (2018). Visual artificial grammar learning by rhesus macaques (*Macaca mulatta*): Exploring the role of grammar complexity and sequence length. *Animal Cognition*, 21, 267-284.
 19. Hoffman, M. L., Beran, M. J., & Washburn, D. A. (2018). Rhesus monkeys (*Macaca mulatta*) remember agency information from past events and integrate this knowledge with spatial and temporal features in working memory. *Animal Cognition*, 21, 137-153.
 20. Kelly, A. J., Perdue, B. M., **Love, M. W.**, Parrish, A. E., & Beran, M. J. (2018). An investigation of prospective memory with output monitoring in preschool children. *American Journal of Psychology*, 133, 201-210.
 21. Miletto Petrazzini, M. E., Parrish, A. E., Beran, M. J., & Agrillo, C. (2018). Exploring the Solitaire illusion in guppies (*Poecilia reticulata*). *Journal of Comparative Psychology*, 132, 48-57.
 22. Parrish, A. E., **Afrifa, E. A.**, & Beran, M. J. (2018). Exploring decoy effects on computerized task preferences in rhesus monkeys (*Macaca mulatta*). *Animal Behavior & Cognition*, 5, 235-253.
 23. Parrish, A. E., **James, B. T.**, Rossettie, M. S., Smith, T. R., **Otalora-Garcia, A.**, & Beran, M. J. (2018). Investigating the depletion effect: Self-

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 6. Beran, M. J., & **Heimbauer, L. M.** (2011). From scratching to symbolism? Chimpanzee “drawings” and the origins of symbolism. [Review of the book *Starting from scratch: The origin and development of expression, representation and symbolism in human and non-human primates*, by J. Matthews]. *PsycCRITIQUES*, 56, Article 4.
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 8. Beran, M. J. (2007). Lopping leap years, sexy primes, and bible codes: Reminders that mathematics is everywhere. [Review of *The secret life of numbers: 50 easy pieces on how mathematicians work and think*]. *PsycCritiques -- Contemporary Psychology: APA Review of Books*, 52 (No. 9), Article 13.
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12. Beran, M. M., & Beran, M. J. (2004). The roots of human behavior are found in nonhuman primates. Review of *Roots of Human Behavior* by Barbara J. King. *American Journal of Primatology*, 63, 33-35.
13. Beran, M. J., & Rumbaugh, D. M. (2001). Comparative cognitive science and the Japanese influence in primatology. Review of *Primate origins of human cognition and behavior* by Tetsuro Matsuzawa. *American Journal of Primatology*, 55, 183-185.

PUBLISHED ABSTRACTS (Student authors in bold)

1. Beran, M. J., Perdue, B. M., & Parrish, A. E. (2018). Confidence judgments by a chimpanzee, and evidence for a metacognitive illusion. *Abstracts of the Psychonomic Society*, 22, 38.
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3. **James, B. T., Smith, M.**, Menzel, C. R., & Beran, M. J. (2018). Post-event memory interference in chimpanzee food memory. *Abstracts of the Psychonomic Society*, 22, 130.
4. Kelly, A. J., & Beran, M. J. (2018). An investigation of multi-trial free recall retrieval dynamics in preschoolers and young adults. *Abstracts of the Psychonomic Society*, 22, 231.
5. Parrish, A. E., **French, K., James, B., Creamer, C., Guild, A.**, & Beran, M. J. (2018). Exploring the density bias in primates. *Abstracts of the Psychonomic Society*, 22, 129.
6. Smith, T. R., & Beran, M. J. (2017). Training arbitrary symmetry relations in rhesus monkeys (*Macaca mulatta*). *Abstracts of the Psychonomic Society*, 22, 1.
7. Beran, M. J., **James, B. T., Guild, A., Kelly, V., Camden, A., Love, M., Whitham, W.**, Kelly, A. J., & Parrish, A. E. (2017). Go if they know: Metacognitive confidence movements in preschool children. *Abstracts of the Psychonomic Society*, 21, 55.
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10. Parrish, A. E., Kelly, A. J., Perdue, B. M., **Love, M., Whitham, W., Luk, P. Y., Kelly, V.,** & Beran, M. J. (2016). Remembering for later: Exploring prospective memory development in preschool children. *Abstracts of the Psychonomic Society, 21*, 199.
11. Perdue, B. M., Evans, T. A., & Beran, M. J. (2016). Tool use and metacognition in chimpanzees. *Abstracts of the Psychonomic Society, 21*, 175.
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13. **Whitham, W.,** Beran, M. J., Conway, C. M., **James, B.,** Parrish, A. E., & Washburn, D. A. (2016). Statistical regularities and quantity to humans and rhesus macaques. *Abstracts of the Psychonomic Society, 21*, 173-174.
14. Beran, M. J., & **Parrish, A. E.** (2015). Capuchin monkeys (*Cebus apella*) treat small and large numbers of items similarly during relative quantity judgments. *Abstracts of the Psychonomic Society, 20*, 157.
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23. Beran, M. J., Perdue, B. M., Church, B. A., & Smith, J. D. (2013). Differences in uncertainty monitoring by rhesus monkeys (*Macaca mulatta*) and capuchin monkeys (*Cebus apella*): It's not a chance thing. *Abstracts of the Psychonomic Society*, 18, 36.
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26. Brosnan, S. F., Beran, M. J., Wilson, B. J., & **Parrish, A. E.** 2013). Strategic responding by rhesus monkeys (*Macaca mulatta*) and humans (*Homo sapiens*) to variable simulated opponents in a coordination game. *American Journal of Primatology*, 75, 13.
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32. Beran, M. J., Evans, T. A., **Bramlett, J.**, **McIntyre, J.**, Addessi, E., & Paglieri, F. (2011). A "hybrid" test of self-control in chimpanzees and capuchin monkeys. *Abstracts of the Psychonomic Society*, 16, 39-40.
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39. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (2010). A chimpanzee (*Pan troglodytes*) recognizes spoken words synthesized as sine-wave speech. *Journal of the Acoustical Society of America*, 128, 2351.
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41. **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (2010). Understanding economic decision making during coordination games in monkeys and apes. *American Journal of Primatology*, 72, 55.
42. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (2009). Perception of voiced-only and noise-vocoded speech by a language-trained chimpanzee (*Pan troglodytes*). *Journal of the Acoustical Society of America*, 125, 2657.
43. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (2009). Word recognition in the absence of traditional acoustic cues by a language-trained chimpanzee (*Pan troglodytes*). *American Journal of Primatology*, 71, 37.
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46. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (2008). Speech perception in a language-trained chimpanzee (*Pan troglodytes*). *Journal of the Acoustical Society of America*, 124, 2460.
47. Klein, E. D., Beran, M. J., Evans, T. A., & **Schultz, N. A.** (2008). Primate decision making in the Monty Hall three-door problem. *Abstracts of the Psychonomic Society*, 13, 12.
48. **Barrett, N. A.**, Beran, M. J., & Washburn, D. A. (2007). Hemovelocit y and performance demonstrate that complexity limits visual short term memory. *Abstracts of the Psychonomic Society*, 12, 64.
49. Beran, M. J., Smith, J. D., **Couchman, J. J.**, & Coutinho, M. V. C. (2007). Dissociation of “uncertainty” responses and “middle” responses in capuchin monkeys. *Abstracts of the Psychonomic Society*, 12, 17-18.
50. Beran, M. J., & Evans, T. A. (2006). Self-control in chimpanzees (*Pan troglodytes*) is not mediated by experimenter presence or reward source visibility. *American Journal of Primatology*, 68 (S1), 118.
51. Evans, T. A., & Beran, M. J. (2006). Self-control in a delay maintenance task by rhesus macaques (*Macaca mulatta*). *American Journal of Primatology*, 68 (S1), 74-75.

52. Washburn, D. A., Beran, M. J., Evans, T. A., & Vanman, E. J. (2006). Domain specificity in inhibition of responding by macaques. *Abstracts of the Psychonomic Society*, 11, 68.
53. Beran, M. J., Smith, J. D., **Redford, J. S.**, & Washburn, D. A. (2005). Rhesus monkeys (*Macaca mulatta*) monitor uncertainty during numerosity judgments. *Abstracts of the Psychonomic Society*, 10, 60-61.
54. Beran, M. J., Washburn, D. A., & Kleinman, S. (2003). Attention Network Task performance by children and rhesus monkeys. *Abstracts of the Psychonomic Society*, 8, 38.
55. Menzel, C. R., Beran, M. J., Kelley, J. W., & Sanchez, I. C. (2003). A chimpanzee's recall and reporting of multiple hidden objects. *American Journal of Primatology*, 60, 45-46.
56. Baker, L., Beran, M., & Tagliabue, J. (2001). MTS accuracy by *Pan troglodytes* as a function of surface color and form information. *American Journal of Primatology*, 54 (S1), 87.
57. Beran, M., Pate, J., Washburn, D., & Rumbaugh, D. (2001). Sequential responding and planning in chimpanzees (*Pan troglodytes*) and rhesus macaques (*Macaca mulatta*). *American Journal of Primatology*, 54 (S1), 100.
58. Beran, M. J. (2000). Two chimpanzees (*Pan troglodytes*) compare non-visible sums of candy pieces. *American Journal of Primatology*, 51 (S1), 43-44.
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61. Rilling, J., Kilts, C., Williams, S. L., Kelley, J. W., Beran, M. J., Giroux, M., Hoffman, J. M., Savage-Rumbaugh, E. S., & Rumbaugh, D. M. (1999). Functional neuroimaging of linguistic processing in chimpanzees. *Society for Neuroscience Abstracts*, 25, 2170.

62. Williams, S. L., Beran, M. J., & Rumbaugh, D. M. (1999). Self-judgment of performance by chimpanzees (*Pan troglodytes*). *American Journal of Primatology*, 49, 114-115.
63. Beran, M. J., & Rumbaugh, D. M. (1998). Delay of gratification in chimpanzees (*Pan troglodytes*). *American Journal of Primatology*, 45, 169-170.

INVITED ADDRESSES AND INVITED SYMPOSIA (77 total, 68 as presenter):

1. Beran, M. J. (January, 2020). To err is (not only) human: Apes and monkeys share (some) illusions and choice biases with humans. Invited address for the Georgia Tech Psychology Colloquium series, Atlanta, GA.
2. Beran, M. J. (August, 2019). Self-control in animals and people. Presidential Address presented at the 127th annual meeting of the American Psychological Association, Chicago, IL.
3. Beran, M. J. (April, 2019). The flexibility (and fallibility) of chimpanzee cognition. Invited presentation at the Emory University Neuroscience and Animal Behavior (NAB) research seminar, Atlanta, GA.
4. Beran, M. J. (March, 2019). Mischievous chimps, mad monkeys, and other (mis)adventures in comparative cognitive science...and what they taught me. Presidential Address given at the 65th annual meeting of the Southeastern Psychological Association, Jacksonville, FL.
5. Beran, M. J. (February, 2019). Chimpanzee cognition: Flexible, fallible, and fascinating. Invited colloquium speaker for the University of Maryland Cognitive Science Colloquium. College Park, MD.
6. Beran, M. J. (October, 2018). Choices by nonhuman primates in token economies: Exchange behavior, self-control, and metacognition. Invited paper presented at the Villa Finaly workshop Economic Behavior in Nonhuman Primates, Florence, Italy.
7. Beran, M. J., James, B. T., Perdue, B. M., Kelly, A. J., & Parrish, A. E. (August, 2018). Confidence judgments in chimpanzees and children. Invited paper presented at the 126th annual meeting of the American Psychological Association, San Francisco, CA.
8. Beran, M. J., & Parrish, A. E. (August, 2018). Chimpanzee food choices: Optimal and suboptimal outcomes depend on context. Invited paper presented at the 126th annual meeting of the American Psychological Association, San Francisco, CA.

9. Parrish, A. E., Petrazzini, M. E. M., Agrillo, C., & Beran, M. J. (August, 2018). Comparative investigations of the Solitaire illusion. Invited paper presented at the 126th annual meeting of the American Psychological Association, San Francisco, CA.
10. Beran, M. J. (May, 2018). Do apes and monkeys “remember” what they need to do, and what they need to learn? Invited paper presented in the School of Psychology and Neuroscience, St. Andrews University, Scotland.
11. Beran, M. J. (April, 2018). Uncertain monkeys and confident chimpanzees: Comparative studies of metacognition. Invited speaker in the Cognitive Sciences series at Villanova University, Philadelphia, PA.
12. Beran, M. J. (March, 2018). Waiting for “marshmallows”: Delay of gratification in nonhuman primates. Paper presented at the Southeastern Evolution and Human Behavior conference, Atlanta, GA.
13. Beran, M. J. (October, 2017). NUMATH, and then more math: Contributions from Lana and Duane to understanding numerical abilities in chimpanzees. Invited paper presented at the Learning from Apes and Other Nonhuman Animals conference, Atlanta, GA.
14. Beran, M. J. (September, 2017). Primate metacognition: Progress, problems, and prospects. Invited address presented at the North Carolina State University Logic and Cognitive Science Initiative (LACSI) Conference on Higher-Order Cognition, Raleigh, NC.
15. Beran, M. J., Perdue, B. M., & Parrish, A. E. (March, 2017). Metacognitive and self-controlled chimpanzees. Invited presentation at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
16. Beran, M. J. (March, 2017). Prospecting for prospective memory in children and nonhuman primates. Senior keynote address at the Southeastern Workers in Memory symposium, Atlanta, GA.
17. Beran, M. J., & Menzel, C. R. (December, 2016). Lessons from computer-trained monkeys. Invited presentation at the Centers for Disease Control, Atlanta, GA.
18. Beran, M. J. (November, 2016). How nonhuman primates anticipate their future. Invited McCahan Colloquium Series Speaker, Furman University, Greenville, SC.

19. Beran, M. J., Perdue, B. M., & Parrish, A. E. (August, 2016). Chimpanzee cognitive control. Invited paper presented at the Chimpanzees in Context conference, Chicago, IL.
20. Beran, M. J. (August, 2016). NUMATH and animal numerical cognition. Paper presented at the 124th annual meeting of the American Psychological Association, Denver, CO.
21. Beran, M. J. (August, 2016). Why nonhuman primate research (still) matters to human psychology. Paper presented at the 124th annual meeting of the American Psychological Association, Denver, CO.
22. Beran, M. J. (June, 2016). Future-oriented cognition in nonhuman primates. Keynote Address at the Traveling in Time: The Construction of Past and Future Events Across Domains Conference at the Center on Autobiographical Memory Research, Aarhus University, Denmark.
23. Beran, M. J. (April, 2016). Prospective memory and metamemory in chimpanzees. Invited paper presented at the 3rd Annual Mechanisms of Learning Forum: Making and Manipulating Memories at Emory University, Atlanta, GA.
24. Beran, M. J., Parrish, A. E., Menzel, C. R., Evans, T. A., **Futch, S.**, & Perdue, B. M. (March, 2016). From mazes to my favorite food...later: Self-control, planning and prospective memory in primates. Invited symposium paper presented at the 108th annual meeting of the Southern Society for Philosophy and Psychology, Louisville, KY.
25. Beran, M. J. (February, 2016). Kids are primates too: From developmental studies to comparative studies and back again. Invited address at the Kiddie Café Developmental Seminar, Georgia State University, Atlanta, GA.
26. Beran, M. J. (September, 2015). Chimpanzee memory. Invited symposium paper presented at the 1st annual North Georgia Regional Annual Memory Meeting, Atlanta, GA.
27. Beran, M. J., Agrillo, C., & **Parrish, A. E.** (April, 2015). Do you (mis)see what I (mis)see? Illusions across primate species. Invited symposium paper presented at the 107th annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
28. Beran, M. J. (November, 2014). To err is (not only) human: Fallibility as a window into primate cognition. Invited address at Georgia Gwinnett College, Atlanta, GA.

29. Beran, M. J., **Parrish, A. E.**, Perdue, B. M., & Evans, T. A. (August, 2014). Do primates say it's worth the wait? Comparative approaches to delay of gratification. Invited symposium paper presented at the 122nd annual meeting of the American Psychological Association, Washington DC.
30. Beran, M. J. (July, 2014). Prospective memory in nonhuman primates. Invited symposium paper presented at the 74th annual meeting of the Japanese Society for Animal Psychology, Inuyama, Japan.
31. Beran, M. J. (March, 2014). Behavioral economics from the chimpanzee's perspective. Invited address in the Behavioral Economics Lecture Series at Reed College, Portland, OR.
32. Beran, M. J. (March, 2014). Worth waiting for: Studies of primate self-control and "willpower." Invited colloquium paper presented at Reed College, Portland, OR.
33. Beran, M. J. (March, 2014). Worth waiting for: Studies of self-control and "willpower" in primates. Invited symposium paper presented at the Animal Concepts: Cognition, Enrichment, and Collaboration conference at Zoo Atlanta, Atlanta, GA.
34. Agrillo, C., **Parrish, A. E.**, & Beran, M. J. (February, 2014). Perception of static and motion illusions in non-human primates (*Macaca mulatta*). Invited symposium paper presented at the 106th annual meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
35. Beran, M. J. (February, 2014). To err is (not only) human: Fallibility (and success) in comparative approaches to cognition. Presidential Address presented at the 106th annual meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
36. Evans, T. A., Perdue, B. M., & Beran, M. J. (February, 2014). Language-trained chimpanzees (*Pan troglodytes*) remember to remember in an analog of a human prospective memory task. Invited symposium paper presented at the 106th annual meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
37. **Parrish, A. E.**, & Beran, M. J. (February, 2014). Context counts! Chimpanzees (*Pan troglodytes*) misperceive food amounts based on presentation style. Invited symposium paper presented at the 106th annual meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
38. Beran, M. J. (November, 2013). Anticipating the future: Primate 'willpower' and prospective memory. Invited address in the Department of Biological Sciences, The University of Memphis, Memphis, TN.

39. Beran, M. J. (May, 2013). Do animals have “willpower”? Comparative investigations of self-control. B. F. Skinner invited address presented at the 39th annual meeting of the Association of Behavior Analysis International, Minneapolis, MN.
40. Beran, M. J. (May, 2013). Numerical cognition in nonhuman primates: Enumeration, estimation, and calculation. Invited address presented at the NIH conference “Evolutionary Origins and Early Development of Basic Number Processing.” Bethesda, MD.
41. Beran, M. J. (March, 2013). Different approaches to inter-temporal choice: What are we measuring? Invited address presented at the CompCog Program entitled “Concepts and methodologies in the field of intertemporal choice,” Vienna, Austria.
42. Beran, M. J. (October, 2012). How long would you wait for an M&M? Studying willpower in primates. Invited address presented at Augusta State University, Augusta GA.
43. Beran, M. J., (August, 2012). Prospecting for monkey prospective memory. Invited symposium paper presented at the 120th annual meeting of the American Psychological Association meeting, Orlando, FL.
44. Beran, M. J. (November, 2011). “Patience” is a virtue: Self-control in other animals. Invited paper presented at Parkview High School for the Invited Lecturer series for AP Psychology, Atlanta, GA.
45. Beran, M. J. (March, 2011). A century’s worth of ideas in animal intelligence – in 10 minutes or less. Invited symposium paper presented at the 103rd Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
46. Beran, M. J. (March, 2011). Perception (and misperception) of visual and auditory quantities by apes, monkeys, and humans. Invited symposium paper presented at the 103rd Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
47. Beran, M. J. (March, 2011). The metacognitive monkey and the self-controlled chimpanzee. Invited paper presented for the Psi Chi Club of Georgia State University, Atlanta, GA.
48. Beran, M. J. (December, 2010). What counts as counting, and who counts as counting? Primates as mathematicians. Invited paper presented at Parkview High School for the Invited Lecturer series for AP Psychology, Atlanta, GA.

49. Beran, M. J. (December, 2010). Primate mathematicians: Enumeration, estimation, and calculation. Invited address presented at the Cognition and Development Seminar, Emory University, Atlanta, GA.
50. Beran, M. J. (June 2010). Long-term retention of lexigram meanings by chimpanzees (*Pan troglodytes*). Invited symposium paper presented in the Rumbaugh Symposium on Language and Learning at the 33rd Annual Meeting of the American Society of Primatologists, Louisville, KY.
51. Beran, M. J. (April, 2010). Chimpanzee serial list memory: False memories and isolation effects. Invited symposium paper presented at the 102nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
52. Smith, J. D., & Beran, M. J. (October, 2009). Animal metacognition: The extended mind in self-interaction. Invited address presented at the EUROCORES Program conference Consciousness in a Natural and Cultural, Edinburgh, Scotland.
53. Beran, M. J. (August, 2009). Natural choice in chimpanzees: Sometimes less is preferred to more. Invited address presented at the 117th Annual Meeting of the American Psychological Association, Toronto, Canada.
54. Beran, M. J. (July, 2009). Beyond uncertainty monitoring: Primate responses to incomplete information and temptation. Invited address presented at the Metacognition and Mindreading Conference, Salzburg, Austria.
55. Beran, M. J., Klein, E. D., & Evans, T. A. (April, 2009). Prospects for prospective memory research with monkeys. Invited symposium paper presented at the 79th Annual Meeting of the Rocky Mountain Psychological Association, Albuquerque, NM.
56. Beran, M. J. (February, 2009). Monkey mathematicians: Quantity comparisons by capuchins and macaques. Invited symposium paper presented at the 54th Annual Meeting of the Southeastern Psychological Association, New Orleans, LA.
57. Beran, M. J. (October, 2008). The metacognitive monkey and the self-controlled chimpanzee. Invited address at the University of Memphis Institute for Intelligent Systems. Memphis, TN.
58. Beran, M. J. (October, 2008). Numerical competence in animals revisited. Invited address at the University of Memphis Cognitive Science Seminar. Memphis, TN.
59. Beran, M. J. (October, 2008). Primate mathematics: Enumeration, estimation, and calculation. Invited symposium paper presented at the

- 14th biennial meeting of the International Society for Comparative Psychology, Buenos Aires, Argentina.
60. **Flemming, T. M.**, & Beran, M. J. (October, 2008). Application of the analogical rule in nonhuman primates. Invited symposium paper presented at the 14th biennial meeting of the International Society for Comparative Psychology, Buenos Aires, Argentina.
 61. Beran, M. J. (August, 2008). Animal willpower? Studying delay of gratification in nonhuman primates. Invited New Fellows address presented at the 116th Annual Meeting of the American Psychological Association, Boston, MA.
 62. Beran, M. J., Smith, J. D., & Proust, J. (May, 2008). Metacognition in nonhumans: Methodological and theoretical issues. Invited symposium paper presented at the 3rd Biennial Meeting of the EARLI Special Interest Group: Metacognition. Ioannina, Greece.
 63. Beran, M. J. (March, 2008). Primate willpower. Keynote address at the Southeast Missouri State University Student Research Conference, Cape Girardeau, MO.
 64. Beran, M. J. (March, 2008). How do chimpanzees and monkeys respond to their own fallibility and impulsivity? Invited paper at the Georgia State University Neurophilosophy Lecture Series, Atlanta, GA.
 65. Beran, M. J. (March, 2008). Chimpanzees as natural accountants. Invited symposium paper presented at the 54th Annual Meeting of the Southeastern Psychological Association, Charlotte, NC.
 66. Beran, M. J. (January, 2008). Primate mathematics: A return to parsimony. Invited paper presented at the Hard Data Café, Georgia State University, Atlanta, GA.
 67. Beran, M. J. (November, 2007). Math lessons for monkeys: Using computers to present old problems in new ways. Invited symposium paper presented at the Paper presented at the 37th Annual Meeting of the Society for Computers in Psychology, Long Beach, CA.
 68. Beran, M. J. (August, 2007). Enumeration, estimation, and 'fuzzy' math by chimpanzees. Invited symposium paper presented at the 115th Annual Meeting of the American Psychological Association, San Francisco, CA.
 69. Beran, M. J. (August, 2006). Chimpanzee symbol-mindedness: Numbers and names for the long term. Invited symposium paper at the presented at the 114th Annual Meeting of the American Psychological Association, New Orleans, LA.

70. Rumbaugh, D. M., Washburn, D. A., & Beran, M. J. (August, 2004). Emergents and rational behaviorism: The processes of learning, conditioning, and reinforcement in creativity. Invited paper presented at the 28th International Congress of Psychology, Beijing, China.
71. Beran, M. J. (July, 2004). Life and career of Donald Olding Hebb (1904-1985). Invited symposium paper presented at the 112th Annual Meeting of the American Psychological Association, Honolulu, HI.
72. Beran, M. J. (April, 2004). Continued studies of delay of gratification in nonhuman primates. Invited symposium paper presented at the 96th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
73. Beran, M. J. (October, 2003). 1-2-3-4: Chimpanzees count and make judgments of 'more.' Invited presentation, Berry College, Rome, GA.
74. Beran, M. J. (November, 2002). Studies of numerosness judgments of sequentially presented sets by chimpanzees (*Pan troglodytes*). Invited paper presented at the COE/SAGA5 International Symposium "Evolution of the apes and the origin of the human beings," Inuyama, Japan.
75. Beran, M. J. (April, 2002). Math matters: Chimpanzees and other nonhuman animals. Invited paper presented at the Hard Data Café, Georgia State University, Atlanta, GA.
76. Washburn, D. A., & Beran, M. J. (August, 2001). Animals count; What's next? Invited symposium paper presented at the 109th Annual Meeting of the American Psychological Association, San Francisco, CA.
77. Rilling, J., Kilts, C., Williams, S. L., Kelley, J. W., Beran, M. J., Giroux, M., Hoffman, J. M., Savage-Rumbaugh, E. S., & Rumbaugh, D. M. (November, 1999). Functional neuroimaging of linguistic processing in chimpanzees. Invited poster presented at SAGA/COE International Symposium, Inuyama, Japan.

CONFERENCE PRESENTATIONS (286 total, 65 as presenter):

1. **Medellin, I., Flessert, M., Shimada, J., Sims, Y., Whitham, W., French, K., James, B. T., & Beran, M. J.** (October, 2019). Assessing the relation of metacognition and executive function tasks in preschool children. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
2. **Shimada, J., James, B. T., Medellin, I., & Beran, M. J.** (October, 2019). Go when you know: Studying metacognition and confidence in preschool

- aged children. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
3. **Vogt, M., Flessert, M., Sims, Y., Medellin, I., & Beran, M. J.** (October, 2019). Knowing what they know: Efficient information seeking by preschool children. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
 4. **James, B. T., & Beran, M. J.** (August, 2019). Boundary extension in humans, rhesus monkeys, and capuchin monkeys. Poster presented at the 127th annual meeting of the American Psychological Association, Chicago, IL.
 5. **Flessert, M., & Beran, M. J.** (April, 2019). Building a rating scale for monkey perceptual and conceptual classification tasks. Poster presented at the 26th annual meeting of the Comparative Cognition Society, Melbourne, FL.
 6. **French, K., & Beran, M. J.** (April, 2019). The assessment of cognitive bias in two species of nonhuman primates using a computerized task. Poster presented at the 26th annual meeting of the Comparative Cognition Society, Melbourne, FL.
 7. **James, B. T., & Beran, M. J.** (April, 2019). Boundary extension in humans (*Homo sapiens*), rhesus monkeys (*Macaca mulatta*), and capuchin monkeys (*Cebus apella*). Poster presented at the 26th annual meeting of the Comparative Cognition Society, Melbourne, FL.
 8. **Soares, P., Evans, T. A., Whitham, W., Beran, M. J., & Washburn, D. A.** (April, 2019). Can rhesus monkeys learn to use symbols to label faces, tasks and foods? Poster presented at the 26th annual meeting of the Comparative Cognition Society, Melbourne, FL.
 9. Stromberg, E., Beran, M. J., & Parrish, A. E. (April, 2019). Exploring metacognitive movements in orangutans. Poster presented at the 26th annual meeting of the Comparative Cognition Society, Melbourne, FL.
 10. **Tomeo, O. B., Beran, M. J., & Brosnan, S. F.** (April, 2019). Investigation of risk-taking behavior in capuchin monkeys (*Cebus [Sapajus] apella*) using a modified balloon analogue risk task. Poster presented at the 26th annual meeting of the Comparative Cognition Society, Melbourne, FL.
 11. **Vogt, M., James, B. J., French, K., Bowden, M., Shimada, J., Medellin, I., & Beran, M. J.** (April, 2019). Social decision-making and extended metacognition in preschool children. Poster presented at the Georgia State Undergraduate Research Conference, Atlanta, GA.

12. Beran, M. J. (March, 2019). "Don't point at me! Problems of interpretation for inter-temporal choice tests used with primates." Paper presented at the 111th annual meeting of the Southern Society for Philosophy and Psychology, Cincinnati, OH.
13. Flessert, M., Taubert, T., Ungerleider, L., & Beran, M. J. (March, 2019). Seeing faces in many places: Face pareidolia in nonhuman primates. Paper presented at the 65th annual meeting of the Southeastern Psychological Association, Jacksonville, FL.
14. French, K., James, B. J., Love, M., Vogt, M., Creamer, C., Whitham, W., Moss, R., Corea, C. R., & Beran, M. J. (March, 2019). Preschool children know what they know before they choose where to go. Paper presented at the 65th annual meeting of the Southeastern Psychological Association, Jacksonville, FL.
15. James, B., Smith, M., Whitham, W., Menzel, C. R., & Beran, M. J. (March, 2019). Memory interference in a chimpanzee during a food naming task. Paper presented at the 65th annual meeting of the Southeastern Psychological Association, Jacksonville, FL.
16. Beran, M. J., Perdue, B. M., & Parrish, A. E. (November, 2018). Confidence judgments by a chimpanzee, and evidence for a metacognitive illusion. Paper presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA.
17. **Jackson, B. N., Shaw, C. N.,** Beran, M. J., Church, B. A., & Smith, J. D. (November 2018). Launch! The insightful discovery of self-agency. Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA.
18. **James, B. T., Smith, M.,** Menzel, C. R., & Beran, M. J. (November 2018). Post-event memory interference in chimpanzee food memory. Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA.
19. Kelly, A. J., & Beran, M. J. (November 2018). An investigation of multi-trial free recall retrieval dynamics in preschoolers and young adults. Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA.
20. Parrish, A. E., **French, K., James, B., Creamer, C., Guild, A.,** & Beran, M. J. (November 2018). Exploring the density bias in primates. Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA.

21. **Creamer, C.**, Smith, T. R., Rossettie, M., & Beran, M. J. (October 2018). Confidence movements and metacognition in capuchin monkeys. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
22. **Sims, Y., Harris, A.**, Parrish, A. E., Agrillo, C, **James, B. T.**, & Beran, M. J. (October 2018). The Jastrow illusion in humans adults, children, and monkeys. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
23. **Vogt, M., Flessert, M.**, & Beran, M. J. (October 2018). Spatial working memory in capuchin monkeys. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
24. **Flessert, M.**, Taubert, J., Wardle, S., Leopold, D., Beran, M., & Ungerlieder, L. (August, 2018). Do nonhuman primates also experience face pareidolia? Paper presented at the 55th Annual Conference of the Animal Behavior Society, Milwaukee, WI.
25. Agrillo, C., Parrish, A. E., Beran, M. J., & Miletto Petrazzini, M. E. (April, 2018). Exploring the Solitaire illusion in guppies (*Poecilia reticulata*). Paper presented at the 25th annual meeting of the Comparative Cognition Society, Melbourne, FL.
26. **French, K.**, Smith, T., Parrish, A. E., & Beran, M. J. (April, 2018). Assessing the SNARC effect in rhesus monkeys and capuchin monkeys. Poster presented at the 25th annual meeting of the Comparative Cognition Society, Melbourne, FL.
27. **Moss, R., James, B. T.**, Parrish, A. E., & Beran, M. J. (April, 2018). Agency in preschool children. Poster presented at the Georgia State Undergraduate Research Conference, Atlanta, GA.
28. Parrish, A. E., **French, K., Creamer, C., James, B. T.**, & Beran, M. J. (April, 2018). Exploring the density bias in nonhuman primates. Paper presented at the 25th annual meeting of the Comparative Cognition Society, Melbourne, FL.
29. Smith, T., & Beran, M. J. (April, 2018). Symbolic contingencies for reward-delay and reward-amount. Paper presented at the 25th annual meeting of the Comparative Cognition Society, Melbourne, FL.
30. **Vogt, M., James, B. T.**, Parrish, A. E., & Beran, M. J. (April, 2018). Cognitive control in the face of cognitive load in preschool children. Poster

- presented at the Georgia State Undergraduate Research Conference, Atlanta, GA.
31. **Creamer, C., French, K.,** Rossettie, M., Beran, M. J., & Parrish, A. E. (March, 2018). Capuchin monkeys perceive the density bias in a foraging task. Poster presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
 32. **French, K.,** Beran, M. J., Espy, K., & Washburn, D. A. (March, 2018). Simians in the Shape School: A comparative study of executive Attention. Paper presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
 33. **Guild, A.,** Kelly, A., **James, B.,** Beran, M. J., & Parrish, A. E. (March, 2018). Metacognitive movements: Exploring metacognition development in preschoolers. Poster presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
 34. **James, B., Kelly, V., Creamer, C., Guild, A., Camden, A.,** Perdue, B., Kelly, A., Parrish, A. E., & Beran, M. J. (March, 2018). Metacognitive confidence movements in preschool children. Paper presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
 35. Kelly, A. J., **Reyes, H., Rodriguez, K.,** & Beran, M. J. (March, 2018). Retrieval dynamics of preschool children and college students. Poster presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
 36. Kelly, A. J., Parrish, A. E., Perdue, B. M., & Beran, M. J. (March, 2018). The impact of focality and task difficulty on prospective memory in preschool children. Paper presented at the 110th meeting of the Southern Society for Philosophy and Psychology, San Antonio, TX.
 37. **Moss, R., James, B., French, K., Kelly, V.,** Kelly, A., Parrish, A. E., & Beran, M. J. (March, 2018). Metacognitive confidence judgments during solitary and group decision-making. Poster presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
 38. Perdue, B. M., **Camden, A. A.,** Kelly, A. J., **Love, M.,** & Beran, M. J. (March, 2018). Repeated testing in children: An analysis of variables influencing habitual prospective memory. Paper presented at the 110th meeting of the Southern Society for Philosophy and Psychology, San Antonio, TX.

39. Smith, T. R., **French, K.**, & Beran, M. J. (March, 2018). Learned symmetrical relations. Paper presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
40. **Whitham, W., James, B.**, & Beran, M. J. (March, 2018). Minor meteorology: A weather prediction task with young children. Paper presented at the 64th annual meeting of the Southeastern Psychological Association, Charleston, SC.
41. Beran, M. J., **James, B. T., Guild, A., Kelly, V., Camden, A., Love, M., Whitham, W.**, Kelly, A. J., & Parrish, A. E. (November, 2017). Go if they know: Metacognitive confidence movements in preschool children. Paper presented at the 58th annual meeting of the Psychonomics Society, Vancouver, Canada.
42. **James, B. T., French, K., Kelly, V., Moss, R.**, Kelly, A. J., Parrish, A. E., & Beran, M. J. (November, 2017). Memory for metacognitive confidence judgments during team trivia. Poster presented at the 58th annual meeting of the Psychonomics Society, Vancouver, Canada.
43. **James, B. T., French, K., Kelly, V.**, Parrish, A. E., & Beran, M. J. (November, 2017). Performance on the reverse-reward contingency task by preschool-aged children. Paper presented at the annual meeting of the Comparative Cognition Society, Vancouver, Canada.
44. Smith, T. R., & Beran, M. J. (November, 2017). Training arbitrary symmetry relations in rhesus monkeys (*Macaca mulatta*). Paper presented at the 58th annual meeting of the Psychonomics Society, Vancouver, Canada.
45. Smith, T. R., & Beran, M. J. (November, 2017). Risky choice in capuchin monkeys (*Cebus apella*). Paper presented at the annual meeting of the Comparative Cognition Society, Vancouver, Canada.
46. **Creamer, C., James, B. T., Whitham, W. Love, M., Moss, R., Kelly, V., French, K.**, Parrish, A. E., & Beran, M. J. (October 2017). Preschool-aged children and the reverse-reward task. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
47. **Moss, R., James, B. T., French, K., Kelly, V.**, Kelly, A., Parrish, A. E., & Beran, M. J. (October, 2017). Memory for confidence wagers during team trivia and solo trivia game play. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.

48. Rossettie, M. S., Parrish, A. E., & Beran, M. J. (August, 2017). Trading up: Chimpanzees (*Pan troglodytes*) show self-control through their exchange behavior. Poster presented at the 40th annual meeting of the American Society of Primatologists, Washington, DC.
49. Smith, T. R., & Beran, M. J. (May, 2017). "Executive control" in rhesus macaques and capuchin monkeys. Poster presented at the 43rd annual meeting of the Society for the Advancement of Behavior Analysis, Denver, CO.
50. Smith, T. R., & Beran, M. J. (May, 2017). The magnitude effect in nonhuman primates. Paper presented at the 43rd annual meeting of the Society for the Advancement of Behavior Analysis, Denver, CO.
51. Smith, T. R., & Beran, M. J. (May, 2017). The effect of signaling reinforcement in capuchin monkeys: Extension of the gambling paradigm. Poster presented at the 40th annual meeting of the Society for the Quantitative Analysis of Behavior, Denver, CO.
52. **French, K.**, Beran, M. J., & Washburn, D. A. (April, 2017). Simians in the Shape School: A comparative study of executive function in rhesus monkeys. Poster presented at the 24th annual meeting of the Comparative Cognition Society, Melbourne, FL.
53. **James, B.**, Rossettie, M., Smith, T., **Otalora-Garcia, A.**, Beran, M., and Parrish, A. (April, 2017). Do capuchin monkeys (*Cebus apella*) show self-control depletion after food exchange and accumulation tasks? Poster presented at the 24th annual meeting of the Comparative Cognition Society, Melbourne, FL.
54. Parrish, A. E., & Beran, M. J. (April, 2017). Magnitude interference in chimpanzees: When quantity meets quality. Paper presented at the 24th annual meeting of the Comparative Cognition Society, Melbourne, FL.
55. Smith, T. R., & Beran, M. J. (April, 2017). Gambling in rhesus monkeys: The influence of informative cues on risky decision-making. Paper presented at the 24th annual meeting of the Comparative Cognition Society, Melbourne, FL.
56. Beran, M. J. (March, 2017). Lexigrams aside: Chimpanzee Lana's legacy beyond language learning. Paper presented at the 108th annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
57. **French, K.**, Beran, M., **James, B.** (March, 2017). Metacognitive monitoring in preschool-aged children during a visual matching task.

- Poster presented at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
58. **James, B., Whitham, W.**, Parrish, A. E., & Beran, M. J. (March, 2017). Performance during the reverse-reward task by preschool-aged children. Poster presented at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
 59. **Kelly, V.**, Parrish, A. E., Kelly, A. J., Perdue, B. M., **Love, M., Whitham, W., Luk, P.**, & Beran, M. J. (March, 2017). Prospective memory in children during computerized maze performance. Poster presented at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
 60. Parrish, A. E., **Otalora-Garcia, A.**, & Beran, M. J. (March, 2017). Magnitude interference in chimpanzees: When quantity meets quality. Paper presented at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
 61. **Otalora-Garcia, A.**, Beran, M. J., & Parrish, A. E. (March, 2017). How chimpanzees deal with conflicting cues during food choice tasks. Poster presented in the CEPO symposium at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
 62. Perdue, B. M., & Beran, M. J. (March, 2017). Exploring metacognition with a tool use task in chimpanzees. Paper presented at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
 63. Beran, M. J., Kelly, A. J., Perdue, B. M., **Whitham, W., Love, M., Luk, P., Kelly, V.**, & Parrish, A. E. (November, 2016). Divide and conquer: Preschool children assign the hardest task to a helper. Paper presented at the 57th annual meeting of the Psychonomics Society, Boston, MA.
 64. Parrish, A. E., Kelly, A. J., Perdue, B. M., **Love, M., Whitham, W., Luk, P. Y., Kelly, V.**, & Beran, M. J. (November, 2016). Remembering for later: Exploring prospective memory development in preschool children. Poster presented at the 57th annual meeting of the Psychonomics Society, Boston, MA.
 65. Perdue, B. M., Evans, T. A., & Beran, M. J. (November, 2016). Tool use and metacognition in chimpanzees. Poster presented at the 57th annual meeting of the Psychonomics Society, Boston, MA.
 66. Smith, T. R., & Beran, M. J. (November, 2016). Cognitive control in capuchin monkeys. Paper presented at the annual meeting of the Comparative Cognition Society, Boston, MA.

67. Smith, T. R., & Beran, M. J. (November, 2016). Gambling monkeys: The influence of reward cues on risky decision-making. Poster presented at the 57th annual meeting of the Psychonomics Society, Boston, MA.
68. **Whitham, W.**, Beran, M. J., Conway, C. M., **James, B.**, Parrish, A. E., & Washburn, D. A. (November, 2016). Statistical regularities and quantity to humans and rhesus macaques. Poster presented at the 57th annual meeting of the Psychonomics Society, Boston, MA.
69. **Whitham, W.**, Beran, M. J., Conway, C. M., **James, B.**, Parrish, A. E., & Washburn, D. A. (November, 2016). Statistical regularities and quantity to humans and rhesus macaques. Paper presented at the annual meeting of the Comparative Cognition Society, Boston, MA.
70. **Kelly, V. A.**, Parrish, A. E., Kelly, A. K., Perdue, B. M., **Love, M.**, **Whitham, W.**, **Luk, P. Y.**, & Beran, M. J. (October, 2016). Prospective memory in children during computerized maze performance. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
71. **Otalora-Garcia, A.**, Parrish, A. E., & Beran, M. J. (October, 2016). How chimpanzees (*Pan troglodytes*) deal with conflicting cues during food choice tests. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
72. Agrillo, C., Parrish, A. E., Perdue, B. M., & Beran, M. J. (July, 2016). Numerosity illusion in children (*Homo sapiens*) and capuchin monkeys (*Cebus apella*). Paper presented at the Cognition and Evolution Conference (CogEvo), Rovereto, Italy.
73. **James, B. T.**, Beran, M. J., & Parrish, A. E. (July, 2016). Does density influence visual numerical discriminations in chimpanzees (*Pan troglodytes*) and capuchin monkeys (*Cebus apella*)? Paper presented at the 31st meeting of the International Congress of Psychology, Yokohama, Japan.
74. Beran, M. J., Parrish, A. E., **Futch, S. E.**, Perdue, B. M., & Smith, J. D. (May, 2016). Information-seeking behavior and confidence judgments by chimpanzees. Paper presented at the International Meeting of the Psychonomic Society, Granada, Spain.
75. Smith, J. D, Church, B. A., & Beran, M. J. (May, 2016). The evolutionary roots of metacognition. Paper presented at the International Meeting of the Psychonomic Society, Granada, Spain.

76. Beran, M. J., **James, B. T., Whitham, W.,** & Parrish, A. E. (April, 2016). Chimpanzees can point to small amounts of food to accumulate larger amounts: Reversing the reverse-reward contingency error? Paper presented at the 23rd annual International Conference on Comparative Cognition, Melbourne, FL.
77. **James, B. T.,** Rayburn-Reeves, R., & Beran, M. J. (April, 2016). Within-session reversal learning in rhesus macaques (*Macaca mulatta*). Poster presented at the 23rd annual International Conference on Comparative Cognition, Melbourne, FL.
78. Parrish, A. E., & Beran, M. J. (April, 2016). Response competition in monkey magnitude judgments: Size judgments are affected by reward values of stimuli. Paper presented at the 23rd annual International Conference on Comparative Cognition, Melbourne, FL.
79. **Hrabic, M. L.,** Williamson, R. A., & Beran, M. J. (March, 2016). Learning to delay gratification: Evidence for differential strategy efficacy by paradigm. Poster presented at the 20th Biennial Conference of the Society for Research in Human Development, March 18, 2016, Denver, CO.
80. **Love, M.,** Kelly, A., Perdue, B. M., & Beran, M. J. (March, 2016). Prospective memory and output monitoring in preschool children. Poster presented at the 62nd annual meeting of the Southeastern Psychological Association, New Orleans, LA.
81. Beran, M. J., & **Parrish, A. E.** (November, 2015). Capuchin monkeys (*Cebus apella*) treat small and large numbers of items similarly during relative quantity judgments. Paper presented at the 56th annual meeting of the Psychonomic Society, Chicago, IL.
82. Beran, M. J., **Parrish, A. E., Futch, S. E.,** Evans, T. A., Perdue, B. M., & Smith, J. D. (November, 2015). Information-seeking behavior and confidence judgments by chimpanzees. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Chicago, IL.
83. **Parrish, A. E.,** & Beran, M. J. (November, 2015). Anchoring effects in monkey magnitude judgments. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Chicago, IL.
84. **Parrish, A. E.,** Brosnan, S. F., & Beran, M. J. (November, 2015). Do you see what I see? A comparative investigation of the Delbouef illusion in humans and monkeys. Poster presented at the 56th annual meeting of the Psychonomic Society, Chicago, IL.

85. **Futch, S. E., Parrish, A. E.,** Perdue, B. M., Smith, J. D., Evans, T. A., & Beran, M. J. (October, 2015). Confidence judgments by chimpanzees during computerized memory testing. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
86. **Love, M. W.,** Beran, M. J., & Kelly, A. J. (October, 2015). Prospective memory and output monitoring in preschool children. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
87. **Walker, B.,** Rossettie, M., **Futch, S. E.,** Perdue, B. M., & Beran, M. J. (October, 2015). Save it for later! Delay of gratification in capuchin monkeys. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
88. Beran, M. J. (August, 2015). The problems and perils of replication in comparative psychology. Paper presented at the 123rd annual meeting of the American Psychological Association, Toronto, Canada.
89. **Hrabic, M., MacDonald, B. J.,** Beran, M. J., & Williamson, R. A. (July, 2015). Preschoolers' and chimpanzees' use of source reliability on action-based tasks Poster presented at the 37th Annual Cognitive Science Society Meeting, Pasadena, CA.
90. Agrillo, C, **Parrish, A. E.,** & Beran, M. J. (May, 2015). Zollner illusion in rhesus monkeys (*Macaca mulatta*). Poster presented at the 27th annual convention of the Association for Psychological Science, New York.
91. Beran, M. J., Perdue, B. M., Smith, J. D., **Futch, S.,** Evans, T. A., & **Parrish, A. E.** (May, 2015). Confidence judgments by chimpanzees during computerized memory tests. Poster presented at the 27th annual convention of the Association for Psychological Science, New York.
92. Beran, M. J., Smith, J. D., & Purdue, B. M. (April, 2015). What we (think we) know about why capuchin monkeys don't seem to know what they know. Paper presented at the 107th annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
93. **Hrabic, M.,** Foster, N., **Bramlett, J.,** Perdue, B. M., Beran, M. J., & Williamson, R. (April, 2015). A comparative approach to effective strategy use in delaying gratification. Paper presented at the 107th annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
94. **Parrish, A. E.,** Evans, T. A., & Beran, M. J. (April, 2015). Rhesus monkeys fall for the decoy effect in a perceptual discrimination task.

- Paper presented at the 107th annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
95. **Hrabic, M.**, Williamson, R. W., & Beran, M. J. (March, 2015). Children's use of a model in a delay of gratification task. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
 96. Beran, M. J., Evans, T. A., **Parrish, A. E.**, & Perdue, B. M. (November, 2014). Go when you know: Confidence movements by language-trained chimpanzees during computerized testing. Paper presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA.
 97. **Boomer, J.**, Church, B. A., **Zakrzewski, A. C.**, Baum, M. L., Beran, M. J., & Smith, J. D. (November, 2014). Chronometrics of solving a temporally extended problem in humans and rhesus monkeys. Paper presented at the meeting of the Comparative Cognition Society, Long Beach, CA.
 98. **Parrish, A. E.**, & Beran, M. J. (November, 2014). Rhesus monkeys fall for the decoy effect in a perceptual discrimination task. Poster presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA.
 99. **Parrish, A. E.**, & Beran, M. J. (November, 2014). Context counts! Chimpanzees (*Pan troglodytes*) misperceive food amounts based on presentation style. Paper presented at the meeting of the Comparative Cognition Society, Long Beach, CA.
 100. Beran, M. J., Evans, T. A., Hopkins, W. D., Addessi, E., & Paglieri, F. (September, 2014). The hybrid delay task and assessments of self-control in capuchins (*Sapajus spp.*) and chimpanzees (*Pan troglodytes*). Paper presented at the 37th annual meeting of the American Society of Primatologists, Decatur, GA.
 101. Brosnan, S. F., Beran, M. J., Williams, L. E., & Wilson, B. J. (September, 2014). Individual differences in cognition across the lifespan. Paper presented at the 37th annual meeting of the American Society of Primatologists, Decatur, GA.
 102. Evans, T. E., & Beran, M. J. (September, 2014). Inhibition and cognitive control in capuchin monkeys (*Cebus apella*) and rhesus monkeys (*Macaca mulatta*). Paper presented at the 37th annual meeting of the American Society of Primatologists, Decatur, GA.
 103. Hall, K., Beran, M. J., Wilson, B. J., Lambeth, S. P., Schapiro, S. J., & Brosnan, S. F. (September, 2014). Captive chimpanzees' (*Pan troglodytes*) responses to two economic games. Paper presented at the

- 37th annual meeting of the American Society of Primatologists, Decatur, GA.
104. **Parrish, A. E.**, & Beran, M. J. (September, 2014). Chimpanzees (*Pan troglodytes*) misperceive food quantities in certain contexts. Paper presented at the 37th annual meeting of the American Society of Primatologists, Decatur, GA.
 105. Agrillo, C., Parrish, A .E., & Beran, M. J. (March, 2014). Zöllner illusion in rhesus monkeys (*Macaca mulatta*). Paper presented at the 21st Annual International Conference on Comparative Cognition, Melbourne, FL.
 106. **Boomer, J.**, Church, B., Zakrzewski, A., Baum, M., & Smith, J. D. (February, 2014). Chronometrics of action planning by humans and rhesus monkeys. Paper presented at the 106th annual meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
 107. **Zakrzewski, A.**, Beran, M. J., Church, B., & Smith, J. D. (February, 2014). Serial ordering and temporally extended reflection during problem solving. Paper presented at the 106th annual meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
 108. Beran, M. J., Perdue, B. M., Church, B. A, & Smith, J. D. (November, 2013). Differences in uncertainty monitoring by rhesus monkeys (*Macaca mulatta*) and capuchin monkeys (*Cebus apella*): It's not a chance thing. Paper presented at the 54th annual meeting of the Psychonomic Society, Toronto, Canada.
 109. **Parrish, A. E.**, & Beran, M. J. (November, 2013). Visual nesting of stimuli affects rhesus monkeys' (*Macaca mulatta*) quantity judgments in a bisection task. Poster presented at the 54th annual meeting of the Psychonomic Society, Toronto, Canada.
 110. **Parrish, A. E.**, Perdue, B. M., Evans, T. A., & Beran, M. J. (November, 2013). Chimpanzees (*Pan troglodytes*) transfer tokens with social partners to accumulate rewards in a self-control task. Paper presented at the Fall Meeting of the Comparative Cognition Society, Toronto, Canada.
[Winner - APA Division 3's award for best presentation at the Comparative Cognition Society meeting]
 111. **Parrish, A. E.**, & Beran, M. J. (October, 2013). The Delboeuf illusion in food portion judgments by chimpanzees (*Pan troglodytes*). Paper presented at the Association for Consumer Research meeting, Chicago, IL.

112. Agrillo, C., **Parrish, A. E.**, & Beran, M. J. (September, 2013). Zöllner illusion in non-human primates. Paper presented at the Italian Psychological Association, Rome, Italy.
113. Beran, M. J., Perdue, B. M., **Parrish, A. E.**, & Evans, T. A. (August, 2013). Humans and nonhuman primates show similar skill in estimating uncertain outcomes during quantity judgments. Paper presented at Behaviour 2013, a joint meeting of the 33rd International Ethological Conference and the Association for the Study of Animal Behaviour, Newcastle, United Kingdom.
114. Evans, T. A., Perdue, B. M., & Beran, M. J. (August, 2013). Planning to remember: Prospective memory in language-trained chimpanzees (*Pan troglodytes*). Paper presented at Behaviour 2013, a joint meeting of the 33rd International Ethological Conference and the Association for the Study of Animal Behaviour, Newcastle, United Kingdom.
115. Perdue, B. M., Evans, T. A., **Bramlett, J. L.**, & Beran, M. J. (August, 2013). Waiting for what comes later: Capuchin monkeys show self-control even for nonvisible delayed rewards. Paper presented at Behaviour 2013, a joint meeting of the 33rd International Ethological Conference and the Association for the Study of Animal Behaviour, Newcastle, United Kingdom.
116. **Talbot, C. F.**, Leverett, K., Mayo, I., Stoinski, T., Beran, M. J., & Brosnan, S. F. (July, 2013). Facial discrimination in nonhuman primates. Poster presented at the 50th Annual Conference of the Animal Behavior Society, Boulder, CO.
117. Beran, M. J. (June, 2013). Keeping track of what went where: Chimpanzees (*Pan troglodytes*) accurately judge concurrently accumulating quantities. Paper presented at the 36th annual meeting of the American Society of Primatologists, San Juan, Puerto Rico.
118. Brosnan, S. F., Beran, M. J., Wilson, B. J., & **Parrish, A. E.** (June, 2013). Strategic responding by rhesus monkeys (*Macaca mulatta*) and humans (*Homo sapiens*) to variable simulated opponents in a coordination game. Paper presented at the 36th annual meeting of the American Society of Primatologists, San Juan, Puerto Rico.
119. Heimbauer, L. A., Beran, M. J., & Owren, M. J. (June, 2013). Cognitive restoration of time-reversed speech by a chimpanzee (*Pan troglodytes*). Paper presented at the 36th annual meeting of the American Society of Primatologists, San Juan, Puerto Rico.

120. **Parrish, A. E.**, Perdue, B. M., Evans, T. A., & Beran, M. J. (June, 2013). Chimpanzees (*Pan troglodytes*) transfer token to accumulate rewards in a self-control task. Paper presented at the 36th annual meeting of the American Society of Primatologists, San Juan, Puerto Rico.
[Finalist – Outstanding Student Paper competition]
121. Perdue, B., **Gonsiorowski, A.**, Beran, M., Evans, T., & Williamson, R. (April, 2013). Prospective memory and delay of gratification in 3-year-old children. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
122. Beran, M. J., Perdue, B. M., **Parrish, A. E.**, & Evans, T. A. (March, 2013). Do social conditions affect capuchin monkeys' estimations during quantity judgments? Paper presented at the 59th annual meeting of the Southeastern Psychological Association, Atlanta, GA.
123. **Parrish, A. E.**, Brosnan, S. F., & Wilson, B. J. (March, 2013). Rhesus monkeys strategically respond to variable partner play in a coordination game. Poster presented at the 59th annual meeting of the Southeastern Psychological Association, Atlanta, GA.
124. **Price, S. A.**, Beran, M. J., Wilson, B. J., & Brosnan, S. F. (March, 2013). Responses to an anti-coordination game in capuchin monkeys (*Cebus apella*). Paper presented at the 59th annual meeting of the Southeastern Psychological Association, Atlanta, GA.
125. **Bramlett, J.**, Perdue, B. M., Evans, T. A., & Beran, M. J. (February, 2013). This too shall pass: A rotating reward tray shows delay of gratification in capuchin monkeys. Paper presented at the 105th annual meeting of the Southern Society for Philosophy and Psychology, Austin, TX.
[Winner - SSPP Graduate Student Travel Grant Award]
126. Evans, T. A., Perdue, B. M., **Parrish, A. E.**, Beran, M. J. (February, 2013). The question of capuchin monkey self-control: What are we really asking? Paper presented at the 105th annual meeting of the Southern Society for Philosophy and Psychology, Austin, TX.
127. Heimbauer, L. A., Beran, M. J., & Owren, M. J. (February, 2013). Evidence for cognitive restoration of time-reversed speech by a chimpanzee (*Pan troglodytes*). Paper presented at the 105th annual meeting of the Southern Society for Philosophy and Psychology, Austin, TX.
128. **Zakrzewski, A. C.**, Perdue, B. M., Beran, M. J., Church, B. A., & Smith, J. D. (November, 2012). Cashing out: macaques' and humans' decisional

- flexibility of uncertainty responding. Poster presented at the 53rd annual meeting of the Psychonomic Society, Minneapolis, MN.
129. Beran, M. J., Smith, J. D., & Perdue, B. M. (August, 2012). Chimpanzees name when they know and look when they do not know. Paper presented at the 24th Congress of the International Primatological Society meeting, Cancun, Mexico.
 130. Perdue, B. M., Evans, T. E., **Bramlett, J. L.**, Menzel, C. R., & Beran, M. J. (August, 2012). Looking to the future: Prospective memory in chimpanzees (*Pan troglodytes*). Paper presented at the 24th Congress of the International Primatological Society meeting, Cancun, Mexico.
 131. Beran, M. J., (July, 2012). Comparative approaches to delay of gratification. Paper presented at the 30th International Congress of Psychology, Cape Town, South Africa.
 132. Perdue, B. M., & Beran, M. J. (July, 2012). Chimpanzees (*Pan troglodytes*) know what they know. Paper presented at the 30th International Congress of Psychology, Cape Town, South Africa.
 133. **Price, S. A.**, Beran, M. J., Wilson, B. J., & Brosnan, S. F. (June, 2012). Responses to an anti-coordination game in capuchins (*Cebus apella*) and humans (*Homo sapiens*). Poster presented at the 35th annual meeting of the American Society of Primatologists, Davis, CA.
 134. Beran, M. J. (March, 2012). What went where? Chimpanzees accurately judge concurrently accumulating quantities. Paper presented at the 104th annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
 135. Beran, M. J., **Coutinho, M.**, Church, B. J., & Smith, J. D. (March, 2012). Executive-attentional uncertainty responses by rhesus monkeys (*Macaca mulatta*). Paper presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
 136. **Bramlett, J.**, Evans, T. A., Perdue, B. M., Menzel, E., & Beran, M. J. (March, 2012). This too can pass: Capuchin monkeys let lesser rewards pass by to get better rewards. Poster presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
 137. **Couchman, J. J.**, **Boomer, J.**, Beran, M. J., & Smith, J. D. (March, 2012). Unsupervised learning and metacognition in rhesus monkeys using intuitive tasks. Paper presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.

138. **Couchman, J. J., Boomer, J.,** Beran, M. J., Smith, J. D. (March, 2012). Uncertainty monitoring under supervised learning conditions in humans and monkeys. Paper presented at the 104th annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
139. Evans, T. A. & Beran, M. J. (March, 2012). Monkeys exhibit prospective memory in a computerized task. Paper presented at the 104th annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
140. Evans, T. A., **Bramlett, J.,** Perdue, B. M., & Beran, M. J. (March, 2012). Prospective memory in a language-trained chimpanzee. Paper presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
141. Heimbauer, L. A., Beran, M. J., & Owren, M. J. (March, 2012). A chimpanzee uses similar acoustic cues as humans when identifying sine-wave, noise-vocoded, and time-reversed speech. Poster presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
142. Heimbauer, L. A., Beran, M. J., & Owren, M. J. (March, 2012). A chimpanzee and humans respond similarly to the spectro-temporal cues in sine-wave and noise-vocoded speech. Paper presented at the 104th annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
143. **Hoffman, M. L.,** Beran, M. J., Williamson, R., Kleider, H. & Washburn, D. A. (March, 2012). Agency and environmental context in working memory: A comparative test of rhesus monkeys and 3 – 4 year old children. Paper presented at the 104th annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
144. **Hoffman, M. L.,** Beran, M. J., & Williamson, R. A., & Washburn, D. A. (March, 2012). Did I do that?: Investigating agency and WWW memory in rhesus monkeys and children. Poster presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
145. **Parrish, A. E.,** Brosnan, S. F., & Beran, M. J. (Match, 2012). I'll work for you, and you work for me: Oh wait, you might not matter. Poster presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.

146. Perdue, B. M., Evans, T. A., & Beran, M. J. (March, 2012). What's all the bias about? Learning effects contribute to cognitive bias in nonhuman primates. Paper presented at the 19th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
147. Beran, M. J., Evans, T. A., **Bramlett, J., McIntyre, J.**, Addressi, E., & Paglieri, F. (November, 2011). A “hybrid” test of self-control in chimpanzees and capuchin monkeys. Paper presented at the 52nd annual meeting of the Psychonomic Society, Seattle, WA.
148. **Boomer, J., Couchman, J. J.**, Beran, M. J., & Smith, J. D. (November, 2011). Dissociating performance and uncertainty monitoring from reinforcement in humans. Paper presented at the 52nd annual meeting of the Psychonomic Society, Seattle, WA.
149. **Boomer, J.**, Smith, J. D., Church, B. A., Beran, M. J., Crossley, M. J., & Ashby, F. G. (November, 2011). Category learning strategies in capuchin monkeys (*Cebus apella*). Paper presented at the Fall Meeting of the Comparative Cognition Society, Seattle, WA.
150. Perdue, B. M., **Talbot, C. F.**, Stone, A., & Beran, M. J. (November, 2011). Putting the elephant back in the herd: Elephant relative quantity judgments match those of other species. Paper presented at the Fall Meeting of the Comparative Cognition Society, Seattle, WA.
151. Astor, J. H., Hodge, L. E., Beran, M. J., & Williamson, R. A. (October, 2011). The role of attention in three-year-olds performance on a memory task. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
152. Del Valle, P. J., Beran, M. J., & Williamson, R. A. (October, 2011). Deferred gratification: An examination of early childhood delay strategies. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
153. Dolins, F., Gelman, S., **Bramlett, J.**, Beran, M. J. (October, 2011). Do chimpanzees use inductive inferences to categorize objects by non-visible properties? Poster presented at the VII Biennial meeting of the Cognitive Development Society, Philadelphia, PA.
154. Gamwell, L. K., Sheehan, A. E., & Beran, M. J. (October, 2011). I think therefore I know, or do I? Using incentives to increase metacognition. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.

155. Beran, M. J., Evans, T. A., & Owens, K. (May, 2011). Chimpanzees, monkeys, and humans show similar skill in estimating uncertain outcomes. Poster presented at the 23rd annual meeting of the Association for Psychological Science, Washington, DC.
156. Washburn, D. A., Beran, M. J., **Phillips, H. A., & Schultz, N. B.** (May, 2011). Plan span: Individual differences in the capacity for planning. Poster presented at the 23rd annual meeting of the Association for Psychological Science, Washington, DC.
157. Macchitella, L., De Petrillo, F., Focaroli, V., Evans, T., Beran, M., Paglieri, F., & Addessi, E. (April, 2011). Do temporal preferences indicate self-control? An evaluation of the validity of the intertemporal choice task in capuchin monkeys. Poster presented at the XX Conference of the Italian Primatological Society, Bussolengo, Italy. **[Winner – Best Poster prize.]**
158. Beran, M. J., **McIntyre, J., Bramlett, J.,** & Evans, T. A. (March, 2011). What counts for “counting”? Chimpanzees (*Pan troglodytes*) know what does or does not matter during quantity judgments. Paper presented at the 18th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
159. **Bramlett, J.,** Evans, T. A., Klein, E. D., **McIntyre, J.,** & Beran, M. J. (March, 2011). Investigating planning and prospective memory in language-trained chimpanzees (*Pan troglodytes*). Paper presented at the 103rd annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
160. **Boomer, J.,** Smith, J. D., Beran, M. J., Church, B. A., Crossley, M. J., & Ashby, F. G. (March, 2011). Category learning strategies in a New World monkey species (*Cebus apella*). Paper presented at the 103rd annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
161. Evans, T. A., Beran, M. J., & **Owens, K.** (March, 2011). Monkeys and humans spontaneously calculate reward amount across trials and use that information in the face of uncertainty. Paper presented at the 103rd annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
162. Evans, T. A., **Owens, K.,** & Beran, M. J. (March, 2011). Humans and monkeys show similar skill in estimating uncertain outcomes. Paper presented at the 18th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.

163. Heimbauer, L. A., Beran, M. J., & Owren, M. J. (March, 2011). A chimpanzee (*Pan troglodytes*) recognizes spoken words synthesized as sine-wave speech. Paper presented at the 18th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
164. Heimbauer, L. A., Beran, M. J., & Owren, M. J. (March, 2011). A Chimpanzee (*Pan troglodytes*) recognizes spoken words synthesized as noise-vocoded and sine-wave speech. Paper presented at the 103rd annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
[Winner - SSPP Graduate Student Travel Grant Award]
165. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (March, 2011). The encoding of self involvement and contextual information in monkeys' memory for past events. Paper presented at the 103rd annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
166. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (March, 2011). The encoding of self involvement and environmental context in rhesus monkeys. Poster presented at the 18th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
167. **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (March, 2011). Understanding economic decision making during coordination games in humans, apes, and monkeys. Paper presented at the 103rd annual meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
[Winner - SSPP Graduate Student Travel Grant Award]
168. **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (March, 2011). Understanding economic decision making during coordination games in humans, apes, and monkeys. Poster presented at the 18th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
169. Washburn, D. A., **Hoffman, M.**, **Bramlett, J.**, & Beran, M. J. (March, 2011). Henry Wieghorst Nissen: Primate psychologist. Paper presented at the 57th Annual Meeting of the Southeastern Psychological Association, Orlando, FL.
170. Beran, M. J. (November, 2010). Quantity judgments of auditory stimuli by chimpanzees (*Pan troglodytes*). Paper presented at the Fall Meeting of the Comparative Cognition Society, St Louis, MO.

171. Beran, M. J., & Smith, J. D. (November, 2010). Information seeking and the comparative study of metacognition. Paper presented at the 51st annual meeting of the Psychonomic Society, St Louis, MO.
172. Evans, T. A., Beran, M. J., Klein, E. D., & Einstein, G. O. (July, 2010). Prospects for prospective memory research with monkeys. Poster presented at the 3rd Biennial International Conference on Prospective Memory, Vancouver, Canada.
173. Beran, M. J., Klein, E. D., Evans, T. A., & Einstein, G. O. (June, 2010). Prospective memory and planning by rhesus monkeys (*Macaca mulatta*) on a computerized task. Paper presented at the 33rd annual meeting of the American Society of Primatologists, Louisville, KY.
174. Evans, T. A., Beran, M. J., & Hoyle, D. (June, 2010). Chimpanzees (*Pan troglodytes*) delay gratification by accepting tokens in lieu of rewards. Paper presented at the 33rd annual meetings of the American Society of Primatologists, Louisville, KY.
175. **Heimbauer, L. A.**, Conway, C. M., Christiansen, M. H., Beran, M. J., & Owren, M. O. (June, 2010). Grammar rule-based sequence learning by rhesus macaques (*Macaca mulatta*). Paper presented at the 33rd annual meeting of the American Society of Primatologists, Louisville, KY.
176. **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (June, 2010). Understanding economic decision making during coordination games in monkeys and apes. Poster presented at the 33rd annual meeting of the American Society of Primatologists, Louisville, KY.
177. **Couchman, J. J., Coutinho, M. V. C.**, Beran, M. J., & Smith, J. D. (April, 2010). Beyond stimulus cues and reinforcement signals: A new approach to animal cognition. Paper presented 102nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
[Winner - SSPP Richard M. Griffith Memorial Award]
178. Evans, T. A., & Beran, M. J. (April, 2010). Who waits for more? Testing monkeys' self-control in a computerized detour task. Paper presented 102nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
179. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (April, 2010). Rule-based sequence learning by rhesus macaques (*Macaca mulatta*). Paper presented 102nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.

180. Klein, E. D., Evans, T. A., & Beran, M. J. (April, 2010). Investigating monkeys' memory coding strategies using a computerized radial maze. Paper presented 102nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
181. Beran, M. J., & Smith, J. D. (March, 2010). Knowing what to ask for: Monkeys seek information before matching-to-sample. Paper presented at the 17th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
182. Evans, T. A., & Beran, M. J. (March, 2010). Will chimpanzees delay gratification by accepting tokens in lieu of rewards? Paper presented at the 17th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
183. **Flemming, T. M.**, & Beran, M. J. (March, 2010). Conceptual thresholds for same and different in old and new world monkeys. Poster presented at the 17th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
184. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (March, 2010). A chimpanzee (*Pan troglodytes*) shows human-like speech perception abilities. Poster presented at the 17th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
185. Klein, E. D., Beran, M. J., & Evans, T. A. (March, 2010). A bigger house or a shorter commute? The decoy effect and primate decision making. Paper presented at the 17th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
186. **Couchman, J. J.**, Beran, M. J., & Smith, J. D. (November, 2009). Recognizing future uncertainty. Paper presented at the Fall Meeting of the Comparative Cognition Society, Boston, MA.
187. Washburn, D. A., Beran, M. J., & Evans, T. A. (November, 2009). Are monkeys "playing" when they're working on game-like computer tasks? Paper presented at the 39th Annual Meeting of the Society for Computers in Psychology, Boston, MA.
188. Washburn, D. A., Beran, M. J., Evans, T. A., & Espy, K. A. (November, 2009). Simians in the Shape School: A comparative study of executive attention. Paper presented at the 50th annual meeting of the Psychonomic Society, Boston, MA.
189. **Owens, K. D.**, Evans, T. A., & Beran, M. J. (October, 2009). Monkeys and humans spontaneously calculate reward amount across trials and use that

- information in the face of uncertainty. Poster presented at the Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
190. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (September, 2009). Word recognition in the absence of traditional acoustic cues by a language-trained chimpanzee (*Pan troglodytes*). Poster presented at the 32nd annual meeting of the American Society of Primatologists, San Diego, CA.
 191. **Boomer, J., Couchman, J. J., Countiho, M. V. C.**, Smith, J. D., Beran, M. J., & Paul. E. J. (July, 2009). Discerning the cognitive level of uncertainty monitoring in humans and rhesus macaques. Poster presented at the Metacognition and Mindreading Conference, Salzburg, Austria.
 192. **Couchman, J. J.**, Beran, M. J., & Smith, J. D. (July, 2009). Animal metacognition: Cognitive and temporally extended. Poster presented at the Metacognition and Mindreading Conference, Salzburg, Austria.
 193. **Heimbauer, L. A.**, Beran, M. J., & Owren, M. J. (May, 2009). Perception of voiced-only and noise-vocoded speech by a language-trained chimpanzee (*Pan troglodytes*). Poster presented at the 157th meeting of the Acoustical Society of America, Portland, OR.
 194. Beran, M. J., Evans, T. A., & **Ratliff, C. L.** (April, 2009). Perceptual and temporal effects on natural choice in chimpanzees (*Pan troglodytes*). Paper presented at the 101st Annual Meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
 195. **Flemming, T. M.**, Beran, M. J., Thompson, R. K. R., & Washburn, D. A. (April, 2009). Analogical reasoning and the differential outcome effect: Getting a conceptual feel. Paper presented at the 101st annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
 196. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (April, 2009). Source monitoring in rhesus monkeys. Paper presented at the 101st annual meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.
 197. Beran, M. J. (March, 2009). Judgments of continuous and discrete quantities by chimpanzees. Poster presented at the 16th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.

198. Beran, M. J. (November, 2008). Chimpanzees accurately judge concurrently accumulating sets of food items. Paper presented at the Comparative Cognition meeting, Chicago, IL.
199. Beran, M. J., Klein, E. D., & Evans, T. A. (November, 2008). Monkeys plan and remember future responses. Paper presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL.
200. **Couchman, J. J., Coutinho, M. V. C.,** Beran, M. J., & Smith, J. D. (November, 2008). Task-general uncertainty responses by humans and rhesus monkeys absent associative/reinforcement cues. Paper presented at the Comparative Cognition meeting, Chicago, IL.
201. **Heimbauer, L. A.,** Beran, M. J., & Owren, M. J. (November, 2008). Speech perception in a language trained chimpanzee (*Pan troglodytes*). Poster presented at the 156th meeting of the Acoustical Society of America, Miami, FL.
202. Klein, E. D., Beran, M. J., Evans, T. A., & **Schultz, N. A.** (November, 2008). Primate decision making in the Monty Hall three-door problem. Paper presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL.
203. **Flemming, T. M.,** & Beran, M. J. (October, 2008). Application of the analogical rule in nonhuman primates. Paper presented at the 14th biennial meeting of the International Society for Comparative Psychology, Buenos Aires, Argentina.
204. **Heimbauer, L. A., Antworth, R. A.,** Conway, C. M., Christiansen, M. H., Beran, M. J., & Owren, M. J. (August, 2008). Testing sequence learning in rhesus macaques (*Macaca mulatta*). Poster presented at the 22nd Meeting of the International Primatological Society, Edinburgh, Scotland.
205. Beran, M. J. (March, 2008). Chimpanzees in a New Orleans bar: With drinks to compare, how would they fare? Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
206. **Coutinho, M., Boomer, J., Couchman, J.,** Smith, J. D., & Beran, M. J. (March, 2008). Experiments in the sustainability of categorization rules without direct feedback for humans and for rhesus monkeys (*Macaca mulatta*). Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
207. Evans, T. A., Beran, M. J., **Harris, E. H.,** Rice, D., & Leighty, K. A. (March, 2008). Quantification and summation of food items by capuchin monkeys

- (*Cebus apella*). Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
208. **Flemming, T. M.**, Beran, M. J., & Washburn, D. A. (March, 2008). What it means to think analogically: From percepts to symbols. Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
 209. **Harris, E. H., Gulledge, J. P.**, Beran, M. J., Washburn, D. A. (March, 2008). The use of absolute numerical knowledge by rhesus monkeys. Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
 210. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (March, 2008). What-where-when memory in rhesus Monkeys: Presenting sequential events to examine the role of relative familiarity. Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
[Winner - SSPP Graduate Student Travel Grant Award]
 211. Klein, E. D., Beran, M. J., Evans, T. A., & **Barrett, N.** (March, 2008). Decision making in the 3-door problem by humans, rhesus Monkeys, and capuchin monkeys. Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
 212. **Von Glahn, N. R.**, Washburn, D. A., Evans, T. A., Beran, M. J. (March, 2008). Do rhesus monkeys (*Macaca mulatta*) show attentional blink during a rapid serial visual presentation? Paper presented at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
 213. Beran, M. J. (January, 2008). Primate mathematics: A return to parsimony. Paper presented at the Hard Data Café, Georgia State University, Atlanta, GA.
 214. **Barrett, N. A.**, Beran, M. J., & Washburn, D. A. (November, 2007). Hemovelocit y and performance demonstrate that complexity limits visual short term memory. Paper presented at the 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.
 215. Beran, M. J. (November, 2007). Math lessons for monkeys: Using computers to present old problems in new ways. Paper presented at the Paper presented at the 37th Annual Meeting of the Society for Computers in Psychology, Long Beach, CA.

216. Beran, M. J., Smith, J. D., **Couchman, J. J.**, & **Coutinho, M. V. C.** (November, 2007). Dissociation of “uncertainty” responses and “middle” responses in capuchin monkeys. Paper presented at the 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.
217. Robinson, E. L., Washburn, D. A., Beran, M. J., & Fuller, C. A. (November, 2007). Blue light effects depend on time of exposure in rhesus monkeys. Poster presented at the 37 Annual Society for Neuroscience Meeting, San Diego, CA.
218. Beran, M. J. (July, 2007). The Von Restorff effect in chimpanzee (*Pan troglodytes*) recognition memory. Poster presented at the joint meeting of the Experimental Psychology Society and the Psychonomic Society, Edinburgh, Scotland.
219. Smith, J. D., Beran, M. J., & **Redford, J. S.** (July 2007). Generalizeable uncertainty responses in the comparative study of metacognition. Paper presented at the joint meeting of the Experimental Psychology Society and the Psychonomic Society, Edinburgh, Scotland.
220. Smith, J. D., **Coutinho, M. V. C.**, **Couchman, J. J.**, & Beran, M. J. (July, 2007). The psychological organization of “uncertainty” responses and “middle” responses: A dissociation in capuchin monkeys (*Cebus apella*). Paper presented at *Fallibilities, Illusion and Metacognition* conference, Paris.
221. **James, F. M.**, Washburn, D. A., & Beran, M. J. (May, 2007). A cross-cultural comparison of attention factors, skills, and biases. Poster presented at the 19th Annual Meeting of the Association for Psychological Science, Washington, DC.
222. Beran, M. J., **Harris, E. H.**, & Evans, T. A. (April, 2007). Perception of food amounts by chimpanzees based on number of items, presentation arrangement, and visibility. Paper presented at the 99th Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
223. **Flemming, T. M.**, Beran, M. J., & Washburn, D. A. (April, 2007). Reasoning of same/different size analogies by rhesus monkeys (*Macaca mulatta*). Paper presented at the 99th Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
[Winner - SSPP Graduate Student Travel Grant Award]
224. **Harris, E. H.**, Beran, M. J., Evans, T. A., Klein, E. D., Chan, B., **Flemming, T. M.**, & Washburn, D. A. (April, 2007). Ordinal judgments of Arabic numerals by capuchin monkeys (*Cebus apella*) and rhesus

- monkeys (*Macaca mulatta*). Paper presented at the 99th Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
225. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (March, 2007). Working memory for what-where-when information in rhesus monkeys (*Macaca mulatta*). Paper presented at the 99th Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
226. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (March, 2007). Working memory for what-where-when information in rhesus monkeys (*Macaca mulatta*). 14th Annual International Conference on Comparative Cognition, Melbourne Beach, FL.
227. Hunsberger, S. A., Washburn, D. A., Beran, M. J., Klein, E. D., Evans, T. A., Kelley, J. W., Chan, B., **Harris, E. H.**, **Flemming, T. M.**, & **Hoffman, M. L.** (March, 2007). Social facilitation increases chimpanzee use of enrichment. Poster presented at the conference The Mind of the Chimpanzee, Chicago, IL.
228. Beran, M. J., Chan, B., Evans, T. A., Flemming, T. J., **Harris, E. H.**, Klein, E. D., Rumbaugh, D. M., & Washburn, D. A. (November, 2006). A computerized method for testing primate intelligence across species, ages, and input devices. Paper presented at the 36th Annual Meeting of the Society for Computers in Psychology, Houston, TX.
229. Washburn, D. A., Beran, M. J., Evans, T. A., & Vanman, E. J. (November, 2006). Domain specificity in inhibition of responding by macaques. Poster presented at the 47th Annual Meeting of the Psychonomic Society, Houston, TX.
230. Rumbaugh, D. M., Washburn, D. A., King, J. E., Beran, M. J., & Gould, K. (September, 2006). Pavlovian conditioning modeled by salience. Paper presented at the annual meeting of the Pavlovian Society, Philadelphia, PA.
231. Beran, M. J., & Evans, T. A. (August, 2006). Self-control in chimpanzees (*Pan troglodytes*) is not mediated by experimenter presence or reward source visibility. Poster presented at the 29th Annual Meeting of the American Society of Primatologists, San Antonio, TX.
232. Evans, T. A., & Beran, M. J. (August, 2006). Self-control in a delay maintenance task by rhesus macaques (*Macaca mulatta*). Poster presented at the 29th Annual Meeting of the American Society of Primatologists, San Antonio, TX.

233. **Flemming, T. M.**, Beran, M. J., & Washburn, D. A. (August, 2006). Analogical reasoning: What meaning means for same and different. Paper presented at the 13th Biannual Meeting of the International Society for Comparative Psychology, Christchurch, New Zealand.
234. **Harris, E. H.**, Beran, M. J., & Washburn, D. A. (August, 2006). Risky business: Monkeys decide between low probability/high reward and high probability/low reward outcomes. Paper presented at the 13th Biannual Meeting of the International Society for Comparative Psychology, Christchurch, New Zealand.
235. Beran, M. J. (April, 2006). Rhesus monkeys respond to sequentially presented sets on the basis of numerical as opposed to non-numerical cues. Paper presented at the 98th Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
236. Evans, T. A., Beran, M. J. (April, 2006) Maintenance of delay of gratification by chimpanzees (*Pan troglodytes*): Testing the influence of source visibility and experimenter presence on self-control. Paper presented at the 98th Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
237. **Flemming, T. M.**, Beran, M. J., & Washburn, D. A. (April, 2006). What meaning means for same and different: Relational learning by three primate species. Paper presented at the 98th Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
238. **Harris, E. H.**, Beran, M. J., & Washburn, D. A. (April, 2006). High Rollers?: Monkeys decide between low probability/high reward and high probability/low reward outcomes. Paper presented at the 98th Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
[Winner - SSPP Graduate Student Travel Grant Award]
239. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (April, 2006). Working memory for "what" and "where" information in rhesus macaques. Paper presented at the 98th Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC.
240. Beran, M. J. (March, 2006). Stimulus organization affects quantity perception by humans, chimpanzees, and monkeys. Paper presented at the 52nd Annual Meeting of the Southeastern Psychological Association, Atlanta, GA.
241. Evans, T. A., & Beran, M. J. (March, 2006). Maintenance of delay of gratification by rhesus macaques (*Macaca mulatta*). Poster presented at

- the 52nd Annual Meeting of the Southeastern Psychological Association, Atlanta, GA.
242. **Flemming, T. M.**, Beran, M. J., Washburn, D. A. (March, 2006). Labeling of abstract relations by rhesus monkeys (*Macaca mulatta*). Poster presented at the 52nd Annual Meeting of the Southeastern Psychological Association, Atlanta, GA.
 243. **Hoffman, M. L.**, Beran, M. J., & Washburn, D. A. (March, 2006). Chimpanzees remember food locations after changing their orientation in space. Poster presented at the 52nd Annual Meeting of the Southeastern Psychological Association, Atlanta, GA.
 244. Beran, M. J., Smith, J. D., **Redford, J. S.**, & Washburn, D. A. (November, 2005). Rhesus monkeys (*Macaca mulatta*) monitor uncertainty during numerosity judgments. Poster presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Canada.
 245. **Flemming, T. M.**, Beran, M. J., & Washburn, D. A. (April, 2005). The salience of color in categorization and set-switching by rhesus monkeys. Poster presented at the 51st Annual Meeting of the Southeastern Psychological Association, Nashville, TN.
 246. **Harris, E. H.**, Beran, M. J., & Washburn, D. A. (April, 2005). Serial learning of numerals, colors, and signs by rhesus monkeys. Poster presented at the 51st Annual Meeting of the Southeastern Psychological Association, Nashville, TN.
 247. Johnson-Pynn, J. S., **Ready, C.**, & Beran, M. J. (April, 2005). Estimation mediates preschoolers' numerical reasoning: Evidence against precise calculation abilities. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
 248. Beran, M. J. (March, 2005). The life and career of Harry F. Harlow (1905-1981). Paper presented at the 97th Annual Meeting of the Southern Society for Philosophy and Psychology, Durham, NC.
 249. Beran, M. J., Smith, J. D., **Redford, J. S.**, & Washburn, D. A. (March, 2005). Is 6 more than 5? Rhesus monkeys (*Macaca mulatta*) monitor uncertainty during numerosity judgments. Paper presented at the 97th Annual Meeting of the Southern Society for Philosophy and Psychology, Durham, NC.
 250. **Flemming, T. M.**, Beran, M. J., & Washburn, D. A. (March, 2005). Perception of abstract relations by rhesus monkeys (*Macaca mulatta*): Same vs. different or uniformity vs. chaos? Paper presented at the 97th

Annual Meeting of the Southern Society for Philosophy and Psychology, Durham, NC.

[Winner - SSPP Graduate Student Travel Grant Award]

251. **Flemming, T. M.**, Beran, M. J., & Washburn, D. A. (March, 2005). Same vs. different or uniformity vs. chaos?: Perception of abstract relations by rhesus monkeys (*Macaca mulatta*). Poster presented at the 12th Annual Comparative Cognition Conference, Melbourne, FL.
252. Smith, J. D., Beran, M. J., **Redford, J. S.**, & Washburn, D. A. (March, 2005). Dissociating uncertainty states and reinforcement signals in the comparative study of metacognition Paper presented at the 97th Annual Meeting of the Southern Society for Philosophy and Psychology, Durham, NC.
253. Beran, M. J., Beran, M. M., Taglialatela, L. A., & Washburn, D. A. (August, 2004). Numerosity judgments by chimpanzees and humans: Evidence of a shared mechanism for estimation. Paper presented at the 28th International Congress of Psychology, Beijing, China.
254. Taglialatela, L. A., Beran, M. J., Taglialatela, J. P., & Pate, J. L. (July, 2004). Role of color in object identification by humans and chimpanzees. Poster presented at the 112th Annual Meeting of the American Psychological Association, Honolulu, HI.
[Winner - APA Division 6 Outstanding Student Poster Award]
255. Washburn, D. A., **Harris, E. H.**, **Gulledge, J. P.**, & Beran, M. J. (May, 2004). What do monkeys understand about Arabic numerals? Poster presented at the 16th Annual Meeting of the American Psychological Society, Chicago, IL.
256. Beran, M. J., Washburn, D. A., **Gulledge, J. P.**, & Rumbaugh, D. M. (November, 2003). Using computers to study nonhuman primate numerical cognition. Paper presented at the 33rd Annual Meeting of the Society for Computers in Psychology, Vancouver, Canada.
257. Beran, M. J., Washburn, D. A., & Kleinman, S. (November, 2003). Attention Network Task (ANT) performance by children and rhesus monkeys. Poster presented at the 44th Annual Meeting of the Psychonomic Society, Vancouver, Canada.
258. Menzel, C. R., Beran, M. J., Kelley, J. W., & Sanchez, I. C. (August, 2003). A chimpanzee's recall and reporting of multiple hidden items. Paper presented at the 26th Annual Meeting of the American Society of Primatologists, Calgary, Alberta.

259. Beran, M. J., & Beran, M. M. (May, 2003). Chimpanzees remember the results of one-by-one addition of food items to sets over extended time periods. Poster presented at the 15th Annual Meeting of the American Psychological Society, Atlanta, GA.
260. Washburn, D. A., **Gulledge, J. P., Baker, L. A., Raby, P. R.**, Beran, M. J., & Kleinman, S. N. (May, 2003). Attention factors and the Attention Network Task. Poster presented at the 15th Annual Meeting of the American Psychological Society, Atlanta, GA.
261. Beran, M. J. (April, 2003). Chimpanzees' numerosness judgements of sequentially and simultaneously presented sets. Paper presented at the 95th Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
262. **Baker, L.**, Beran, M., & Tagliatela, J. (October, 2002). MTS accuracy by *Pan troglodytes* as a function of surface color and form information. Poster presented at the "Emergents and Rational Behaviorism" festschrift in honor of Duane M. Rumbaugh, Georgia State University, Atlanta, GA.
263. Beran, M. J., Pate, J. L., Brakke, K. E., Kelley, J. W., & Rumbaugh, D. M. (October, 2002). Long-term retention of lexigram meanings by the Language Research Center chimpanzees. Poster presented at the "Emergents and Rational Behaviorism" festschrift in honor of Duane M. Rumbaugh, Georgia State University, Atlanta, GA.
264. Beran, M. M., & Beran, M. J. (October, 2002). Delay of gratification by chimpanzees (*Pan troglodytes*) and an orangutan (*Pongo pygmaeus*). Poster presented at the "Emergents and Rational Behaviorism" festschrift in honor of Duane M. Rumbaugh, Georgia State University, Atlanta, GA.
265. Washburn, D. A., Beran, M. J., & Gulledge, J. P. (October, 2002). Reasoning, representation, and 'rithmetic. Paper presented at the "Emergents and Rational Behaviorism" festschrift in honor of Duane M. Rumbaugh, Georgia State University, Atlanta, GA.
266. Beran, M. J., Pate, J. L., & Washburn, D. A. (March, 2002). Chimpanzee responding in a symbolic match-to-sample task: Selection by exclusion. Paper presented at the 94th Annual Meeting of the Southern Society for Philosophy and Psychology, Nashville, TN.
267. Beran, M. J., Washburn, D. A., & Rumbaugh, D. M. (March, 2002). Rhesus monkeys learn despite second-order stimulus-response spatial discontiguity. Poster presented at the 48th Annual Meeting of the Southeastern Psychological Association, Orlando, FL.

268. Minahan, M. F., Beran, M. J., & Washburn, D. A. (March, 2002). Remembering and tracking hidden items by chimpanzees (*Pan troglodytes*). Poster presented at the 48th Annual Meeting of the Southeastern Psychological Association, Orlando, FL.
269. Baker, L., Beran, M., & Taglialatela, J. (August, 2001). MTS accuracy by *Pan troglodytes* as a function of surface color and form information. Poster presented at the 24th Annual Meeting of the American Society of Primatologists, Savannah, GA.
270. Beran, M. J., Pate, J. L., Washburn, D. A., & Rumbaugh, D. M. (August, 2001). Sequential responding and planning in chimpanzees (*Pan troglodytes*) and rhesus macaques (*Macaca mulatta*). Poster presented at the 24th Annual Meeting of the American Society of Primatologists, Savannah, GA.
271. Washburn, D. A., Beran, M. J., & Rumbaugh, D. M. (August, 2001). Comparative assessment of cognition with the Psychomotor Test System. Paper presented at the Defense Advanced Research Projects Agency's Continuous Assisted Performance Teaming Workshop, Las Vegas, NV.
272. Beran, M. J., Pate, J. L., Washburn, D. A., & Rumbaugh, D. M. (April, 2001). Sequential responding and planning in chimpanzees (*Pan troglodytes*) and rhesus monkeys (*Macaca mulatta*). Paper presented at the 93rd Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans, LA.
273. Beran, M. J. (March, 2001). Comparisons of summed quantities by two chimpanzees (*Pan troglodytes*). Poster presented at the 47th Annual Meeting of the Southeastern Psychological Association, Atlanta, GA.
274. Beran, M. J. (June, 2000). Two chimpanzees (*Pan troglodytes*) compare non-visible sums of candy pieces. Paper presented at the 23rd Annual Meeting of the American Society of Primatologists, Boulder, CO.
275. Minahan, M. F., Beran, M. J., & Rumbaugh, D. M. (June, 2000). Spatial monitoring in bonobos (*Pan paniscus*) and chimpanzees (*Pan troglodytes*). Poster presented at the 23rd Annual Meeting of the American Society of Primatologists, Boulder, CO.
276. Beran, M. J. (April, 2000). Is 2+3+2 more than 1+2+3? Two chimpanzees (*Pan troglodytes*) compare sums of non-visible candy pieces. Paper presented at the 92nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.

277. Rilling, J., Kilts, C., Williams, S. L., Beran, M. J., Giroux, M., Hoffman, J. M., Rapoport, S., Savage-Rumbaugh, E. S., & Rumbaugh, D. M. (April, 2000). A comparative PET study of linguistic processing in humans and language-competent chimpanzees (*Pan troglodytes*). Poster presented at the 69th Annual Meeting of the American Association of Physical Anthropologists, San Antonio, TX.
278. Rumbaugh, D. M., Kilts, C., Rilling, J., Beran, M. J., Elder, C., Williams, S., & Kelley, J. (April, 2000). Functional imaging of language skills in chimpanzees: Implications of early-rearing variables. Paper presented at the 92nd Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.
279. Beran, M. J., Pate, J. L., & Rumbaugh, D. M. (March, 2000). Lana chimpanzee's 20-year retention of lexigrams. Paper presented at the 7th Annual International Conference on Comparative Cognition, Melbourne, FL.
280. Rilling, J., Kilts, C., Williams, S. L., Kelley, J. W., Beran, M. J., Giroux, M., Hoffman, J. M., Savage-Rumbaugh, E. S., & Rumbaugh, D. M. (October, 1999). Functional neuroimaging of linguistic processing in chimpanzees. Poster presented at the 29th Annual Meeting of the Society for Neuroscience, Miami, FL.
281. Williams, S. L., Beran, M. J., & Rumbaugh, D. M. (August, 1999). Self-judgment of performance by chimpanzees (*Pan troglodytes*). Paper presented at the 22nd Annual Meeting of the American Society of Primatologists, New Orleans, LA.
282. Beran, M. J. (April, 1999). Delay of gratification in three chimpanzees. Paper presented at the 91st Annual Meeting of the Southern Society for Philosophy and Psychology, Louisville, KY.
[Winner - Griffith Memorial Award, SSPP]
283. Beran, M. J., & Rumbaugh, D. M. (June, 1998). Delay of gratification in chimpanzees (*Pan troglodytes*). Paper presented at the 21st Annual Meeting of the American Society of Primatologists, Georgetown, TX.
284. Beran, M. J., Savage-Rumbaugh, E. S., & Brakke, K. E. (April, 1998). Language comprehension in three chimpanzees (*Pan troglodytes*): Effect of rearing on level of comprehension. Paper presented at the 2nd International Conference on the Evolution of Language, London, UK.
285. Beran, M. J., Rumbaugh, D. M., & Savage-Rumbaugh, E. S. (March, 1997). Evaluation of current language comprehension in three chimpanzees (*Pan troglodytes*): Effect of rearing on duration of language

comprehension. Paper presented at the 89th Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA.

286. Beran, M. J., Rumbaugh, D. M., & Savage-Rumbaugh, E. S. (August, 1996). Performance of a chimpanzee (*Pan troglodytes*) on a computerized counting task. Poster presented at the 16th Congress of the International Primatological Society, Madison, WI.

SELECTED MEDIA COVERAGE OF RESEARCH:

Television and Radio:

“Three minute wonder: Monkey business” (December 10, 2009). Channel 4; UK

“Chimps and liquids” (March 2, 2010). Radio interview for *As It Happens* on CBC/Radio-Canada.

“Extraordinary animals: Literate chimp” (March 17, 2010). *Animal Planet*.

“Simian says” (July 8, 2011). Radio interview for *As It Happens* on CBC/Radio-Canada.

“Can you train a chimpanzee from birth to learn the English language?” (July 3, 2012). *Science Fantastic with Michio Kaku Live!*

Online and Print Press

“Chimps have math and verbal skills” (June 2, 2003). *The Atlanta Journal-Constitution*, *Sydney Morning Herald* (Sydney, Australia) and *Watertown Daily Times* (Watertown, NY).

“Chimps remember how to play the numbers game for years” (November 15, 2003). *New Scientist*.

“More than monkey business” (Winter 2006). *Georgia State Magazine*.

“Known Unknowns” (December 15, 2006). *New Scientist*.

“How chimps avoid temptation” (August 22, 2007). *ScienceNOW Daily News*.

“Chimps practice self-control” (August 22, 2007). *News@Nature.com*.

“Chimps keep busy to control their urges” (August 22, 2007). *New Scientist.com*.

“Chimps practise self-control to tempt themselves away from food” (August 22, 2007). *eBiology News*.

“Chimps use National Geographic to suppress urges” (September 5, 2007). *Wall Street Journal*.

“Leafing through magazines, chimps exhibit self-control” (September 5, 2007). *LiveScience.com*.

“Chimpanzees know how to distract themselves to “hold out” (September 10, 2007). *LeMonde*.

“Chimps toy with temptation” (September, 2007). *Today’s Science on File*.

“Go forth and multiply: New research explores animals’ math skills” (October, 2007). *APA’s Monitor on Psychology*.

“Ape willpower” (December 4, 2007). *ScienCentral.com*.

“Monkey see, monkey ignore.” (December 2007/January 2008). *Scientific American Mind*.

“Why apes are awful capitalists.” (January 30, 2008). *Telegraph*.

“The evolution of barter.” (January 31, 2008). *Wired.com*.

“Chimps show reluctance to barter.” (February 4, 2008). *MSNBC.com*.

“Deal? No deal, chimps say.” (February 4, 2008). *LiveScience.com*.

“Why don’t chimpanzees like to barter food?” (February 5, 2008). *ScienceDaily.com*.

“Animals do the most amazing things” (February, 2008). *The Psychologist*.

“Chimps Agree: A Bird in Hand Is Worth Two in the Bush” (May, 2008). *DiscoverMagazine.com*.

“Animal Urges” (September, 2008). *New Scientist*.

“Panzee’s a chimp champ” (June 28, 2008). *DailyRecord.co.uk*.

“Even the Quick Fix Will Take a While” (March 29, 2009). *Kansas City Star*.

“No enforcement, no trade—not for chimps” (May 28, 2008). *WorldScience.net*
“Researchers Shed Light On Trading Behavior In Animals -- And Humans” (June 8, 2009). *ScienceDaily.com*

“Monkeying around with the roots of economic behavior” (June 8, 2009).
TechJournalSouth.com

“Fair Trade: What We Know That Chimps Don't” (June 12, 2009).
LiveScience.com

“When the chimps are down” (June 12, 2009). northumberlandgazette.co.uk

“GSU scientists receive grant to study prospective memory” (October 22, 2009).
GSU.edu; TheFinancial.com; The Signal

“Monkey Business: Primates and humans share a sense of fair play” (February
22, 2010). Science Nation – National Science Foundation.com

“Chimps are intelligent enough to appreciate a full pint” (February 23, 2010).
BBC.com.

“Never give a chimp a short pint” (February 23, 2010). TGDaily.com

“Chimps don't like short measures” (February 23, 2010). TheRegister.com

“Drinks for chimpanzees” (July 4, 2010). NZZ am Sonntag.

“Playing by the same rules reduces the differences between humans, chimps
and monkeys” (February 7, 2012). *Discover Magazine*.

“Forget the fifth grader, are you smarter than a chimp?” (February 7, 2011).
ABCNews.com.

“Chimps, like humans, can learn to work together” (February 8, 2011).
Discovery.com.

“How chimps, monkeys, and humans compare on a level playing field” (February
9, 2011). *PhysOrg.com*.

“Without language, playing field leveled between humans, primates” (February 9,
2011). *WBSM.com*.

“Language makes humans smarter than chimps” (February 9, 2011). *Sify.com*.

“Humans only win by knowing rules” (February 12, 2011). *New Scientist*.

“Monkeys 'display self-doubt' like humans” (February 21, 2011). *BBC.com*.

“Monkeys demonstrate self-awareness in computer game” (February 22, 2011). *PhysOrg.com*

“Self-doubting monkeys know when they don’t know” (February 22, 2011). *Discovery.com*

“Monkeys doubt themselves, just like humans” (February 22, 2011). *HuffingtonPost.com*.

“When in doubt” (February 22, 2011). *TheNational.com*.

“Monkey see, monkey doubt” (March 10, 2011). *TheTicker.com* (Baruch College).

“Macaques and humans: The only self-aware animals?” (February 28, 2011). *Discovery.com*.

“Think about it: Researchers uncover more about the act of thinking.” (May, 2011). *Villager*, Volume 11, Issue 8.

“Chimps are good listeners, too.” (July 1, 2011). *Science Now*.

“A to chimpanzee.” (July 3, 2011). *A Beautiful Brain.com*.

“Chimp recognizes synthetic speech.” (July 7, 2011). *BBC Nature*.

“Chimp has an ear for talk.” (August 13, 2011). *Science News*.

“Smart chimp gets speech like a human.” (October 31, 2011). *Discovery.com*.

“Word: Like a human, smart chimp understands speech.” (October 31, 2011) *MSNBC.com*.

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“Chimpanzee self-control is related to intelligence” (February 9, 2018). *USWeekly.com*

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“Chimpanzee self-control is related to intelligence, study finds” (February 9, 2018). *Phys.org*

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“Chimpanzee self-control is related to intelligence” (February 9, 2018). *Science Daily.com*

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“Chimpanzee self-control is related to intelligence, Georgia State study finds” (February 9, 2018). *Eurekalert.com*

“Chimpanzee self control is related to intelligence” (February 9, 2018). *NeuroscienceNews.com*

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“Smart chimps have better self-control, just like in humans (February 9, 2018). *International Business Times*.

“Intelligence in chimpanzees is linked to willpower” (February 9, 2018). *KaplanHerald.com*

“In chimpanzees as in humans, self control predicts intelligence” (February 12, 2018). *Le Monde*.

MEDIA COMMENTING:

“Chimp beats students at computer game” (December, 2007). *NatureNews.com*

“Monkeys do math almost as well as humans” (December, 2007). *FoxNews.com*; *LiveScience.com*

“Mosquito fish count comrades to stay alive” (June 19, 2009). *ScienceNews.org*

“Monkeys more calculating around money” (September 21, 2010). *Discovery News*; *MSNBC.com*; *DiscoveryChannel.com*.

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“Federal policy puts chimpanzee behavioral studies in doubt” (September 9, 2016). *NPR’s Morning Edition*.

“From rats to humans, a brain knows when it can't remember” (July 27, 2017). *NPR.com*.

“From rats to humans, a brain knows when it can't remember” (July 31, 2017). *All Things Considered on NPR*.

“Dog brains have a knack for numbers, much like ours” (December 19, 2019). *Sciencemag.org*.

“Dogs’ brains naturally process numbers, just like ours (December 19, 2019). *Smithsonianmag.com*.

TEACHING EXPERIENCE:

Graduate Level

Georgia State University, Atlanta, GA

Fall 2019 Advanced Cognitive Psychology (Psych 8540)

Undergraduate Level

Georgia State University, Atlanta, GA

Spring 2019	Learning (Psych 4120)
Fall 2018	Psychology of Good (and Bad) Decision Making (Psych 4800)
Fall 2018	Learning (Psych 4120)
Spring 2018	Psychology of Good (and Bad) Decision Making (Psych 4800)
Fall 2017	Psychology of Good (and Bad) Decision Making (Psych 4800)
Spring 2017	Cognitive Psychology (Psych 4100)
Fall 2016	Psychology of Good (and Bad) Decision Making (Psych 4800)
Spring 2016	Psychology of Good (and Bad) Decision Making (Psych 4800)
Fall 2015	Psychology of Good (and Bad) Decision Making (Psych 4800)
Fall 2014	Psychology of Good (and Bad) Decision Making (Psych 4800)
Spring 2014	Psychology of Good (and Bad) Decision Making (Psych 4800)
Fall 2013	Psychology of Good (and Bad) Decision Making (Psych 4800)
Spring 2013	Psychology of Learning (Psych 4120)
Spring 2010	Natural Science Aspects of Psychology (Psych 1100)
Fall 2009	Natural Science Aspects of Psychology (Psych 1100)
Fall 2008	Cognitive Psychology (Psych 4100)

Spelman College, Atlanta, GA

Spring 2007	Cognitive Psychology
Spring 2007	Psychology of Learning
Fall 2006	Cognitive Psychology
Fall 2006	Psychology of Learning
Spring 2006	Cognitive Psychology
Spring 2006	Psychology of Learning
Fall 2005	Cognitive Psychology
Fall 2005	Psychology of Learning
Spring 2005	Cognitive Psychology
Spring 2005	Psychology of Learning
Fall 2004	Cognitive Psychology
Fall 2004	Psychology of Learning
Spring 2004	Cognitive Psychology
Spring 2004	Psychology of Learning
Spring 2003	Cognitive Psychology
Fall 2003	Psychology of Learning

COMMUNITY OUTREACH AND SCIENCE COMMUNICATION

FAVE Middle School mentor (2018) – I worked over two months to help a team of 6th grade students design, research, and develop a presentation as part of their Expeditionary learning program. I met with the students weekly or bi-weekly to chart progress and offer guidance.

Roswell North 2nd Grade Science Class visit (May 2018) – I gave a presentation to grade school students about how to study minds of animals.

Renfroe Middle School Science Expedition (2019) – I gave a series of repeated lectures about my research as part of a program to expose middle school students to different areas of STEM science.