

AUDREY E. PARRISH, Ph.D.

The Citadel
Office: 843-953-5328

audrey.parrish@citadel.edu
Capers Hall 324-A

EDUCATION

- 2015 **Doctorate of Philosophy (Ph.D.), Psychology – Cognitive Sciences**
Georgia State University, Atlanta, GA
- 2011 **Master of Arts (M.A.), Psychology – Cognitive Sciences**
Georgia State University, Atlanta, GA
- 2009 **Bachelor of Science (B.S.), Biology – Magna Cum Laude**
Winthrop University, Rock Hill, SC

PROFESSIONAL EXPERIENCE

- 2016 - Present **Assistant Professor of Psychology**, The Citadel: The Military College of South Carolina
- 2016 **Research Associate**, Language Research Center, Georgia State University
- 2015 – 2016 **Adjunct Professor**, Spelman College
- 2009 – 2015 **Graduate Research Assistant and Fellow**, Georgia State University
- 2008 – 2009 **Undergraduate Research Assistant**, Winthrop University

GRANTS & FELLOWSHIPS

- 2016 - 2020 Beran, M. J., Church B. A., Perdue B. M., Parrish A. E., & Smith, J. D.
Confidence judgments and metacognition in comparative and developmental
perspective. \$587,087 (total costs) from the National Science Foundation
- 2018 Citadel SURE (Summer Undergraduate Research Experience) Mentoring Award. \$3000
(total costs). Student Mentee: Shona Sulzbach
- 2017 Citadel SURE (Summer Undergraduate Research Experience) Mentoring Award. \$3000
(total costs). Student Mentee: Alexandria Guild
- 2016, 2017 Citadel Foundation Presentation of Research Grant
- 2016, 2017 Citadel Foundation Faculty Research Grant
- 2013 - 2016 Duane M. Rumbaugh Fellowship Grant, Georgia State University
- 2012 - 2015 2CI University Doctoral Fellowship in Primate Social Cognition, Evolution &
Behavior, Georgia State University

- 2012 - 2013 Rumbaugh Fellowship Grant-in-Aid, Georgia State University
- 2009 - 2012 Brains & Behavior Fellowship, Neuroscience Institute, Georgia State University

AWARDS

- 2016 APA Early Career Award from the Society for Experimental Psychology and Cognitive Science (Division 3 of the APA)
- 2014 APA Interdivisional Mentoring Award (Divisions 3 & 6)
- 2014 Richard Morrell Outstanding Graduate Student in Psychology Award, Georgia State University
- 2013 APA Division 3's Best Early Career Presentation, Comparative Cognition Society
- 2013 American Society of Primatologists Student Paper Competition Finalist
- 2011, 2014 Graduate Student Travel Grant, Southern Society for Philosophy and Psychology
- 2009 Houk Prize, Biology Department, Winthrop University
- 2008 Lockett Davis Endowment Travel Grant, Winthrop University
- 2008 Dean of Arts and Science Travel Grant, Winthrop University

PUBLICATIONS

Textbooks

Politano, P.M., Walton, R.O., & Parrish, A. E. (2018). *Statistics and research methodology: A gentle conversation*, 3rd Edition. Raleigh, NC: Lulu Press, Inc.

Peer-reviewed Articles:

1. Parrish, A. E., Perdue, B. M., Kelly, A. J., & Beran, M. J. (in press). Working memory in children assessed with serial chaining and Simon tasks. *Behavioural Processes*.
2. Parrish, A. E. (2018). Conservation. In J. Vonk & T.K. Shackelford (Eds.). *Encyclopedia of Animal Cognition and Behavior*, Springer International Publishing. https://doi.org/10.1007/978-3-319-47829-6_1553-1
3. Perdue, B. M., Parrish, A. E., Beran, M. J., & Kelly, A. (2018). Prospective Memory. In J. Vonk & T.K. Shackelford (Eds.). *Encyclopedia of Animal Cognition and Behavior*, Springer International Publishing.
4. Kelly, A. J., Perdue, B. M., Love, M. W., Parrish, A. E., & Beran, M. J. (2018). An investigation of prospective memory with an output monitoring component in preschool children. *American Journal of Psychology*, 133, 201 - 210. doi: 10.5406/amerjpsyc.131.2.0201

5. **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. <https://doi.org/10.26451/abc.05.02.06.2018>
6. 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.
7. Talbot, C. F., **Parrish, A. E.**, Watzek, J., Essler, J. L., Leverett, K. L., Paukner, A., & Brosnan, S. F. (2018). The influence of reward quality and quantity and spatial proximity on the responses to inequity and contrast in capuchin monkeys (*Cebus [Sapajus] apella*). *Journal of Comparative Psychology*, *132*, 75-87.
8. **Parrish, A. E.**, James, B. T., Rossettie, M.S., Smith, T., Otalora-Garcia, A., & Beran, M. J. (2018). Investigating the depletion effect: Self-control does not waiver in capuchin monkeys. *Animal Behavior & Cognition*, *5*, 118-138.
9. **Parrish, A. E.**, Otalora-Garcia, A., & Beran, M. J. (2017). Dealing with interference: Chimpanzees respond to conflicting cues in a food-choice memory task. *Journal of Experimental Psychology: Animal Learning and Cognition*, *43*, 366-376.
10. **Parrish, A. E.**, & Beran, M. J. (2017). Approximate number system (ANS). In J. Vonk & T.K. Shackelford (Eds.). *Encyclopedia of Animal Cognition and Behavior*, Springer International Publishing. doi: 10.1007/978-3-319-47829-6_1068-1
11. **Parrish, A. E.**, & Agrillo, C. (2017). Perception and misperception of the animal's "self-world": Introduction to the special issue on comparative perception. *Animal Behavior and Cognition*, *4*, 200–203. doi: 10.26451/abc.04.03.01.2017
12. Beran, M. J., & **Parrish, A. E.** (2017). The number sense is neither last resort nor of primary import. *Behavioral and Brain Sciences*, *40*. doi:10.1017/S0140525X16002065
13. Beran, M. J., Perdue, B. M., Kelly, A. K., & **Parrish, A. E.** (2017). What's in a face (made of foods)? Comparing children's and monkeys' perception of faces in face-like images of food. *Animal Behavior and Cognition*, *4*, 324-339. doi: 10.26451/abc.04.03.10.2017
14. **Parrish, A. E.**, James, B. T., & Beran, M. J. (2017). Exploring whether nonhuman primates show a bias to overestimate dense quantities. *Journal of Comparative Psychology*, *131*, 59-68.
15. Agrillo, C., **Parrish, A. E.**, & Beran, M. J. (2016). How illusory is the Solitaire illusion? Assessing the degree of misperception of numerosity in adult humans. *Frontiers in Psychology*, *7*, 1663. doi: 10.3389/fpsyg.2016.01663.
16. Beran, M. J., James, B. T., Whitham, W., & **Parrish, A. E.** (2016). Chimpanzees can point to smaller amounts of food to accumulate larger amounts but they still fail the reverse-reward contingency task. *Journal of Experimental Psychology: Animal Learning and Cognition*, *42*, 347-358.
17. **Parrish, A.E.**, Emerson, I.D., Rossettie, M.S., Beran, M.J. (2016). Testing the glucose hypothesis among capuchin monkeys: Does glucose boost self-control? *Behavioral Sciences*, *6*, 16.

18. Beran, M. J., Menzel, C. R., **Parrish, A. E.**, Perdue, B. M., Sayers, K., Smith, J. D., & Washburn, J. D. (2016). Primate cognition: Attention, episodic memory, prospective memory, self-control, and metacognition as examples of cognitive control in nonhuman primates. *WIREs Cognitive Science*. doi: 10.1002/wcs.1397
19. Beran, M. J., & **Parrish, A. E.** (2016). Capuchin monkeys (*Cebus apella*) treat small and large numbers of items similarly during a relative quantity judgment task. *Psychonomic Bulletin & Review*, *23*, 1206-1213.
20. Beran, M. J., Perdue, B. M., Rossettie, M. S., James, B. T., Whitham, W., Walker, B., Futch, S. E., & **Parrish, A. E.** (2016). Self-control assessments of capuchin monkeys with the rotating tray task and the accumulation task. *Behavioural Processes*, *129*, 68-79.
21. **Parrish, A. E.**, Agrillo, C., Perdue, B. M., & Beran, M. J. (2016). The elusive illusion: Do children (*Homo sapiens*) and capuchin monkeys (*Cebus apella*) see the solitaire illusion? *Journal of Experimental Child Psychology*, *142*, 83-95.
22. Beran, M. J., Rossettie, M. S., & **Parrish, A. E.** (2016). Trading up: Chimpanzees (*Pan troglodytes*) show self-control through their exchange behavior. *Animal Cognition*, *19*, 109-121.
23. **Parrish, A. E.**, Brosnan, S. F., & Beran, M. J. (2015). Capuchin monkeys alternate play and reward in a dual computerized task. *Animal Behavior and Cognition*, *2*, 334-347.
24. **Parrish, A. E.**, Brosnan, S. F., & Beran, M. J. (2015). Do you see what I see? A comparative investigation of the Delboeuf illusion in humans (*Homo sapiens*), rhesus monkeys (*Macaca mulatta*), and capuchin monkeys (*Cebus apella*). *Journal of Experimental Psychology: Animal Learning and Cognition*, *41*, 395-405.
25. Beran, M. J., James, B. T., Futch, S. E., & **Parrish, A. E.** (2015). A comparative psychologist by any other name...is still a comparative psychologist. Commentary: A crisis in comparative psychology: Where have all the undergraduates gone? *Frontiers in Psychology*, *6*, 1928.
26. Beran, M. J., Perdue, B. M., Futch, S. E., Smith, J. D., Evans, T. A., & **Parrish, A. E.** (2015). Go when you know: Chimpanzees' confidence movements reflect their responses in a computerized memory task. *Cognition*, *142*, 236-246.
27. Beran, M. J., **Parrish, A. E.**, Futch, S. E., Evans, T. A., & Perdue, B. M. (2015). Looking ahead? Computerized maze task performance by chimpanzees (*Pan troglodytes*), rhesus Monkeys (*Macaca mulatta*), capuchin Monkeys (*Cebus apella*), and human children (*Homo sapiens*). *Journal of Comparative Psychology*, *129*, 160-173.
28. **Parrish, A. E.**, Evans, T. A., & Beran, M. J. (2015). Defining value through quantity and quality – chimpanzees (*Pan troglodytes*) undervalue food quantities when items are broken. *Behavioural Processes*, *111*, 118-126.

29. **Parrish, A. E.**, Evans, T. A., & Beran, M. J. (2015). Rhesus macaques (*Macaca mulatta*) exhibit the decoy effect in a perceptual discrimination task. *Attention, Perception, & Psychophysics*, *77*, 1715-1725.
30. Agrillo, C., **Parrish, A. E.**, & Beran, M. J. (2014). Do primates see the Solitaire illusion differently? A comparative assessment of humans (*Homo sapiens*), chimpanzees (*Pan troglodytes*), rhesus monkeys (*Macaca mulatta*) and capuchin monkeys (*Cebus apella*). *Journal of Comparative Psychology*, *128*, 402-413.
31. **Parrish, A. E.**, Brosnan, S. F., Wilson, B. J., & Beran, M. J. (2014). Differential responding by rhesus monkeys (*Macaca mulatta*) and humans (*Homo sapiens*) to variable outcomes in the Assurance game. *Animal Behavior and Cognition*, *1*, 215-229.
32. Evans, T. A., Perdue, B. M., **Parrish, A. E.**, & Beran, M. J. (2014). Working and waiting for better rewards: Self-control in two monkey species (*Cebus apella* and *Macaca mulatta*). *Behavioural Processes*, *103*, 236-242.
33. Agrillo, C., **Parrish, A. E.**, & Beran, M. J. (2014). Do rhesus monkeys (*Macaca mulatta*) perceive the Zöllner illusion? *Psychonomic Bulletin & Review*, *21*, 986-994.
34. **Parrish, A. E.**, Perdue, B. M., Stromberg E. E., Bania, A. E., Evans, T. A., & Beran, M. J. (2014). Delay of gratification by orangutans (*Pongo pygmaeus*) in the accumulation task. *Journal of Comparative Psychology*, *128*, 209-214.
35. Beran, M. J., **Parrish, A. E.**, Perdue, B. M., & Washburn, D. A. (2014). Comparative cognition: Past, present, and future. *International Journal of Comparative Psychology*, *27*, 3-30.
36. **Parrish, A. E.**, & Beran, M. J. (2014). Chimpanzees sometimes see fuller as better: Judgments of food quantities based on container size and fullness. *Behavioural Processes*, *103*, 184-191.
37. **Parrish, A. E.**, & Beran, M. J. (2014). When less is more: Like humans, chimpanzees (*Pan troglodytes*) misperceive food amounts based on plate size. *Animal Cognition*, *17*, 427-434.
38. Beran, M. J., & **Parrish, A. E.** (2013). Visual nesting of stimuli affects rhesus monkeys' (*Macaca mulatta*) quantity judgments in a bisection task. *Attention, Perception, & Psychophysics*, *75*, 1243-1251.
39. Brosnan, S. F., Beran M. J., **Parrish A. E.**, Price S. A., & Wilson, B. J. (2013). Comparative approaches to studying strategy: Towards an evolutionary account of primate decision-making. *Evolutionary Psychology*, *11*, 606-627.
40. **Parrish, A. E.**, Evans, T. E., Perdue, B. M., & Beran, M. J. (2013). Chimpanzees (*Pan troglodytes*) transfer tokens repeatedly with a partner to accumulate rewards in a self-control task. *Animal Cognition*, *16*, 627-636.
41. Beran, M. J., Perdue, B. M., **Parrish A. E.**, & Evans, T. A. (2012). Do social conditions affect capuchin monkeys' (*Cebus apella*) choices in a quantity judgment task? *Frontiers in Psychology*, *3*, Article 492.

42. Beran M. J., & **Parrish A. E.** (2012). Sequential responding and planning in capuchin monkeys (*Cebus apella*). *Animal Cognition*, *15*, 1085-1094.
43. Evans T. A., Perdue B. M., **Parrish A. E.**, Menzel E. C., Brosnan S. F., & Beran M. J. (2012). How is chimpanzee self-control influenced by social setting? *Scientifica*, Article ID 654094.
44. Brosnan S. F., **Parrish A. E.**, Beran M. J., Flemming T., Heimbauer L., Talbot C. F., Lambeth S. P., Schapiro S.J., & Wilson B. J. (2011). Responses to the Assurance game in monkeys, apes, and humans using equivalent procedures. *Proceedings of the National Academy of Science*, *108*, 3442-3447.

Book Chapters:

45. Beran, M. J., & **Parrish, A. E.** (2016). Going for more: Discrete and continuous quantity judgments by nonhuman animals. In A. Henik (Ed.), *Continuous issues in numerical cognition: How many or how much* (pp. 175-192). San Diego: Academic Press.
46. Beran, M. J., **Parrish, A. E.**, & Evans, T. A. (2014). Numerical cognition and quantitative abilities in nonhuman primates. In D. Geary, D. Berch, & K. Mann Koepke (Eds.), *Evolutionary origins and early development of basic number processing*, vol 1 (91-112). Elsevier.
47. Beran, M. J., **Parrish, A. E.**, & Sayers, K. (2014). Planet of the apes?: Yes, it's Earth. [Review of the book *Apes and human evolution*, by R. H. Tuttle]. *PsycCRITIQUES*.
48. **Parrish, A. E.**, & Brosnan, S. F. (2012). Primate cognition. In V.S. Ramachandran (Ed.), *The encyclopedia of human behavior*, vol 3 (174-180). Academic Press.
49. **Parrish A. E.**, & Beran M. J. (2012). Thinking animals: A closed case or an open debate? *Frontiers in Psychology*, *3*, Article 250. [Review of the book *Animal thinking: Contemporary issues in comparative cognition*]

TEACHING

Instructor of Record:

The Citadel, Charleston, SC

Undergraduate College

Comparative Cognition – Psychology Senior Seminar
 Experimental Psychology – Research Methods
 Psychological Statistics
 Learning and Behavior
 Independent Research in Psychology
 General Psychology

The Citadel, Charleston, SC

Graduate College

Psychological Statistics
 Thesis in Psychology
 Psychometrics – Psychological Testing & Statistics

Georgia State University, Atlanta, GA

Cognitive Psychology
Animal Behavior

Spelman College, Atlanta, GA

Research Methods Laboratory

Guest Lecturer:

Georgia State University, Atlanta, GA

Learning
Animal Minds
Psychology of Decision-Making
Primate Behavior
Animal Behavior

Winthrop University, Rock Hill, SC

Human Physiology, Lab Assistant
Microbiology, Lab Assistant
Freshmen Biology Seminar

Riverbanks Zoo, Columbia, SC

2007 Internship leading zoological educational programs for elementary children

ACADEMIC REVIEW

Editorial Board:

2017 – pres. *Animal Behavior & Cognition*
2014 – pres. *Frontiers in Comparative Psychology*
2014 – pres. *Translational Issues in Psychological Science*
2016 – 2017 Guest Editor of Special Issue on “Comparative Perception” for
Animal Behavior & Cognition

Ad Hoc Reviewing:

Animal Behavior
Animal Behavior and Cognition
Animal Cognition
American Journal of Primatology
Cognition
Developmental Science
Frontiers in Comparative Psychology
Journal of Comparative Psychology
Journal of Experimental Psychology: Animal Behavior Processes
Learning & Behavior
PLOS ONE

SCIENCE LEADERSHIP & SERVICE

- 2018 Organized invited symposium on behalf of APA's Division 3 (Society for Experimental Psychology and Cognitive Sciences) on Prospective Memory.
- 2017 Co-Advisor for The Citadel's Undergraduate Research Club and Psychology Club
- 2017 Co-Advisor for The Citadel's Psychology Club
- 2016-2017 Faculty member for The Citadel's Psychology Undergraduate Curriculum Committee
- 2013-2014 Co-chair for GSU Cognitive Sciences Hard Data Café Seminar Series
- 2012-2014 Student Representative to the GSU 2CI Hiring Committee
- 2012-2014 APAGS Journal Working Group to establish the new journal, *Translational Issues in Psychological Science*
- 2011-2013 Science Committee Member, APAGS (American Psychological Association of Graduate Students)
- 2011-2013 Grant Review Committee, APAGS Basic Psychological Science Grant/Psi Chi Junior Scientist Fellowship
- 2012 APAGS liaison to the Board of Scientific Affairs – Spring Consolidation Meetings
- 2008-2009 Biology Student Representative to the Dean's Advisory Council, Winthrop University

WORKSHOPS

- 2012 Experimental Economics Workshop at Chapman University, Orange, CA.

PROFESSIONAL SOCIETIES

- Member, American Society of Primatologists
- Member, Division 3 and Division 6 of APA
- Member, Comparative Cognition Society
- Member, Psychonomic Society
- Member, Southern Society for Philosophy and Psychology
- Member, Southeastern Psychological Association
- Member, Women in Cognitive Science

PRESENTATIONS

Invited Presentations

- 2018 **Parrish, A. E.**, Agrillo, C., Petrazzini, M. E., Beran, M. J. (2018, August). Comparative investigations of the Solitaire illusion. 126th annual meeting of the American Psychological Association, San Francisco, CA.

- 2018 Beran, M. J., & Parrish, A. E., (2018, August). Chimpanzee food choices: Optimal and suboptimal outcomes depend on context. 126th annual meeting of the American Psychological Association, San Francisco, CA.
- 2017 Parrish, A. E., (2017, October). Dealing with interference: Chimpanzees respond to conflicting cues in a food-choice memory task. Learning from Apes and other Nonhuman Animals: The LANA Conference, Georgia State University, Atlanta, GA.
- 2017 Parrish, A. E. (2017, September). Do you see what I see? An investigation of illusions and biases in primates. Biology Department Seminar, Winthrop University, Rock Hill, SC.
- 2015 Parrish, A. E. (2015, February). Do you see what I see? An investigation of illusions and biases in primates. Hard Data Café, Georgia State University, Atlanta, GA.
- 2015 Beran, M. J., Agrillo, C., & Parrish, A. E. (2015, April). Do you (mis)see what I (mis)see? Illusions across primate species. Southern Society for Philosophy and Psychology, New Orleans, LA.
- 2014 Beran, M. J., Parrish, A. E., Perdue, B. M., Bramlett, J., & Evans, T. A. (2014, August). Do primates say it's worth the wait? Comparative approaches to delay of gratification. American Psychological Association, Washington DC.
- 2014 Agrillo, C., Parrish, A. E., & Beran, M. J. (2014, February). Perception of static and motion illusions in non-human primates (*Macaca mulatta*). Southern Society for Philosophy and Psychology, Charleston, SC.
- 2014 Parrish, A. E., & Beran, M. J. (2014, March). Context counts! Chimpanzees (*Pan troglodytes*) misperceive food amounts based on presentation style. Southern Society for Philosophy and Psychology, Charleston, SC.
- 2011 Parrish, A. E. (2011, March). The investigation of prosocial behavior in a tool task by capuchin monkeys (*Cebus apella*). Hard Data Café, Georgia State University, Atlanta, GA.
- 2010 Parrish, A. E. (2010, April). Understanding economic decision making during coordination games in monkeys and apes. Hard Data Café, Georgia State University, Atlanta, GA.

Conference Presentations: Published Abstracts

- 2016 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.
- 2016 Beran, M. J., Kelly, A. J., Perdue, B. M., Whitham, W., Love, M., Luk, P., Kelly, V., & Parrish, A. E. (2016). Divide and conquer: Preschool children assign the hardest task to a helper. *Abstracts of the Psychonomic Society, 21*, 60.
- 2016 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.

- 2015 **Parrish, A. E.**, Brosnan, S. F., & Beran, M. J. (2015). Do you see what I see? A comparative investigation of the Delbouef illusion in humans and monkeys. *Abstracts of the Psychonomic Society, 20*, 27.
- 2015 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.
- 2014 **Parrish, A. E.**, & Beran, M. J. (2014). Rhesus monkeys fall for the decoy effect in a perceptual discrimination task. *Abstracts of the Psychonomic Society, 19*, 283.
- 2014 Beran, M. J., Evans, T. A., **Parrish, A. E.**, & Perdue, B. M. (2014). Go when you know: Confidence movements by language-trained chimpanzees during computerized testing. *Abstracts of the Psychonomic Society, 19*, 35.
- 2014 **Parrish, A. E.**, & Beran, M. J. (2014). Chimpanzees (*Pan troglodytes*) misperceive food quantities in certain contexts. *American Journal of Primatology, 76*, 50.
- 2013 **Parrish, A. E.**, & Beran, M. J. (2013). Visual nesting of stimuli affects rhesus monkeys' (*Macaca mulatta*) quantity judgments in a bisection task. *Abstracts of the Psychonomic Society, 18*, 190-191.
- 2013 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.
- 2013 **Parrish, A. E.**, Perdue, B. M., Evans, T. A., & Beran, M. J. (2013). Chimpanzees (*Pan troglodytes*) transfer tokens to accumulate rewards in a self-control task. *American Journal of Primatology, 75*, 42.
- 2011 **Parrish, A. E.** & Brosnan, S. F. (2011). Active tool transfer in a cooperative task by capuchin monkeys (*Cebus apella*). *American Journal of Primatology, 73*, 76.
- 2010 **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.

Conference Oral Presentations

- 2018 **Parrish, A. E.**, French, K., Creamer, C., James, B., & Beran, M. J. (2018, April). Exploring the density bias in nonhuman primates. Comparative Cognition Society, Melbourne, FL.
- 2018 Agrillo, C. Miletto Petrazzini, M. E., **Parrish, A. E.**, & Beran, M. J. (2018, April). Do guppies (*Poecilia reticulata*) perceive the Solitaire illusion? Comparative Cognition Society, Melbourne, FL.

- 2017 Beran, M. J., James, B. T., Guild, A., Kelly, V., Camden, A., Love, M., Whitham, W., Kelly, A. J., & **Parrish, A. E.** (2017, November). Go if they know: Metacognitive confidence movements in preschool children. Psychonomic Society, Vancouver, Canada.
- 2017 James, B. T., French, K., Kelly, V., **Parrish, A. E.**, & Beran, M. J. (2017, November). Performance on the reverse-reward contingency task by preschool-aged children. Comparative Cognition Society, Vancouver, Canada.
- 2017 **Parrish, A. E.**, Otalora-Garcia, A., & Beran, M. J. (2017, March). Magnitude interference in chimpanzees: When quantity meets quality. Southeastern Psychological Association, Atlanta, GA.
- 2017 **Parrish, A. E.**, & Beran, M. J. (2017, April). Magnitude interference in chimpanzees: When quantity meets quality. Comparative Cognition Society, Melbourne, FL.
- 2016 Beran, M. J., Kelly, A. J., Perdue, B. M., Whitham, W., Love, M., Luk, P., Kelly, V., & **Parrish, A. E.** (2016, November). Divide and conquer: Preschool children assign the hardest task to a helper. Psychonomic Society, Boston, MA.
- 2016 Whitham, W., Beran, M. J., Conway, C. M., James, B., **Parrish, A. E.**, & Washburn, D. A. (2016, November). Statistical regularities and quantity to humans and rhesus macaques. Fall Meeting of the Comparative Cognition Society, Boston, MA.
- 2016 Agrillo, C., **Parrish, A. E.**, Gori, S., Beran, M. J., Bisazza, A. (2016, November). Optical illusions as a tool to understand visual perception in monkeys and fish. The Trieste Symposium on Perception and Cognition, University of Trieste (Italy).
- 2016 Beran, M. J., Perdue, B. M., & **Parrish, A. E.** (2016, August). Chimpanzee cognitive control. Chimpanzees in Context Conference, Chicago, IL.
- 2016 Agrillo, C., **Parrish, A. E.**, Perdue, B. M., & Beran, M. J. (2016, July). Numerosity illusion in children (*Homo sapiens*) and capuchin monkeys (*Cebus apella*). Cognition and Evolution Conference (CogEvo), Rovereto, Italy.
- 2016 James, B. T., Beran, M. J., & **Parrish, A. E.** (2016, July). Does density influence visual numerical discriminations in chimpanzees (*Pan troglodytes*) and capuchin monkeys (*Cebus apella*)? International Congress of Psychology, Yokohama, Japan.
- 2016 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. International Meeting of the Psychonomic Society, Granada, Spain.
- 2016 Beran, M. J., James, B. T., Whitham, W., & **Parrish, A. E.** (2016, April). Chimpanzees can point to small amounts of food to accumulate larger amounts: Reversing the reverse-reward contingency error? International Conference on Comparative Cognition, Melbourne, FL.

- 2016 **Parrish, A. E.,** & Beran, M. J. (2016, April). Response competition in monkey magnitude judgments: Size judgments are affected by reward values of stimuli. International Conference on Comparative Cognition, Melbourne, FL.
- 2016 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. Southern Society for Philosophy and Psychology, Louisville, KY.
- 2015 Beran, M. J., & **Parrish, A. E.** (2015, November). Capuchin monkeys (*Cebus apella*) treat small and large numbers of items similarly during relative quantity judgments. Psychonomic Society, Chicago, IL.
- 2015 **Parrish, A. E.,** Evans, T. A., & Beran, M. J. (2015, April). Rhesus monkeys fall for the decoy effect in a perceptual discrimination task. Southern Society for Philosophy and Psychology, New Orleans, LA.
- 2014 **Parrish, A. E.,** & Beran, M. J. (2014, September). Chimpanzees (*Pan troglodytes*) misperceive food quantities in certain contexts. American Society of Primatologists, Decatur, GA.
- 2014 **Parrish, A. E.,** & Beran, M. J. (2014, February). Context counts! Chimpanzees (*Pan troglodytes*) misperceive food amounts based on presentation style. Southern Society for Philosophy and Psychology, Charleston, SC.
- 2013 **Parrish, A. E.,** Perdue, B. M., Evans, T. A., & Beran, M. J. (2013, November). Chimpanzees (*Pan troglodytes*) transfer tokens with social partners to accumulate rewards in a self-control task. Comparative Cognition Meeting, Toronto, Canada
- 2013 Agrillo, C., **Parrish, A. E.,** & Beran, M. J. (2013, September). Zöllner illusion in non-human primates. Italian Psychological Association, Rome, Italy.
- 2013 Beran, M. J., Perdue, B. M., **Parrish, A. E.,** & Evans, T. A. (2013, August). Humans and nonhuman primates show similar skill in estimating uncertain outcomes during quantity judgments. International Ethological Conference and the Association for the Study of Animal Behaviour, Newcastle, UK.
- 2013 **Parrish, A. E.,** Perdue, B. M., Evans, T. A., & Beran, M. J. (2013, June). Chimpanzees (*Pan troglodytes*) transfer tokens to accumulate rewards in a self-control task. American Society of Primatologists, San Juan, Puerto Rico.
- 2013 Brosnan, S. F., Beran, M. J., Wilson, B. J., & **Parrish, A. E.** (2013, June). Strategic responding by rhesus monkeys (*Macaca mulatta*) and humans (*Homo sapiens*) to variable simulated opponents in a coordination game. American Society of Primatologists, San Juan, Puerto Rico
- 2013 Evans, T. A., Perdue, B. M., **Parrish, A. E.,** & Beran, M. J. (2013, March). The

question of capuchin monkey self-control: What are we really asking? Southern Society for Philosophy and Psychology, Austin, TX.

- 2013 Beran, M. J., Perdue, B. M., **Parrish, A. E.**, & Evans, T. A. (2013, March). Do social conditions affect capuchin monkeys' estimations during quantity judgments? Southeastern Psychological Association, Atlanta, GA.
- 2012 **Parrish, A. E.**, & Brosnan, S. F. (2012, August). Food sharing in the capuchin monkey (*Cebus apella*). International Primatological Society, Cancun, Mexico.
- 2012 **Parrish, A. E.**, Brosnan, S. F., & Beran, M. J. (2012, March). I'll work for you and you work for me: Oh wait, you might not matter. Language Research Center Capuchin Symposium, Atlanta, GA.
- 2011 **Parrish, A. E.** & Brosnan, S. F. (2011, September). Active tool transfer in a cooperative task by capuchin monkeys (*Cebus apella*). American Society of Primatologists, Austin, TX.
- 2010 **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (2011, March). Understanding economic decision making during coordination games in monkeys and apes. Southern Society for Philosophy and Psychology, New Orleans, LA.
- 2010 **Parrish, A. E.** & Chism, J. (2009, April). Utilization of environment by eight different primate species. South Carolina Anthropology Student Conference, Columbia, SC.

Conference Poster Presentations

- 2018 Sulzbach, S. G., & **Parrish, A. E.** (2018, August). Insightful otters: Problem solving via tool use in river otters. Citadel's Summer Undergraduate Research Experience Conference. Charleston, SC. (faculty sponsor)
- 2018 Vogt, M., James, B., **Parrish, A. E.**, & Beran, M. J. (2018, April). Cognitive control in the face of cognitive load in preschool-aged children. Georgia State University Psychology Undergraduate Research Conference, Atlanta, GA.
- 2018 Moss, R., James, B., **Parrish, A. E.**, & Beran, M. J. (2018, April). Agency in preschool children. Georgia State University Psychology Undergraduate Research Conference, Atlanta, GA.
- 2018 Guild, A. S., Kelly, A. J., James, B. T., & **Parrish, A. E.** (2018, March). Metacognitive movements: Exploring metacognition development in preschoolers. Annual Meeting of the Southeastern Psychological Association. Charleston, SC.
- 2018 Creamer, C., French, K., Rossettie, M., Beran, M., & **Parrish, A. E.** (2018, March). Capuchin monkeys perceive the density bias in a foraging task. Annual Meeting of the Southeastern Psychological Association. Charleston, SC.

- 2017 Creamer, C., James, B. T., Whitham, W. Love, M., Moss, R., Kelly, V., French, K., **Parrish, A. E.**, & Beran, M. J. (2017, November). Preschool-aged children and the reverse-reward task. Georgia State University Psychology Undergraduate Research Conference, Atlanta, GA.
- 2017 Moss, R., James, B. T., French, K., Kelly, V., Kelly, A., **Parrish, A. E.**, & Beran, M. J. (2017, November). Memory for confidence wagers during team trivia and solo trivia game play. Georgia State University Psychology Undergraduate Research Conference, Atlanta, GA.
- 2017 James, B. T., French, K., Kelly, V., Moss, R., Kelly, A. J., **Parrish, A. E.**, & Beran, M. J. (2017, November). Memory for metacognitive confidence judgments during team trivia. Psychonomic Society, Vancouver, Canada.
- 2017 Guild, A. S., Davis, C. M., James, B. T., & **Parrish, A. E.** (2017, October). Metacognitive movements: Exploring metacognition development in preschoolers. SoCon Undergraduate Research Conference. Wofford University: Spartanburg, SC. (faculty sponsor)
- 2017 Rossettie, M. S., **Parrish, A. E.**, & Beran, M. J. (2017, August). Trading up: Chimpanzees (*Pan troglodytes*) show self-control through their exchange behavior. American Society of Primatologists, Washington, DC.
- 2017 Guild, A. S., Davis, C. M., James, B. T., & **Parrish, A. E.** (2017, August). Metacognitive movements: Exploring metacognition development in preschoolers. Citadel's Summer Undergraduate Research Experience Conference. Charleston, SC. (faculty sponsor)
- 2017 James, B., Rossettie, M., Smith, T., Otolara-Garcia, A., Beran, M., & **Parrish, A. E.** (2017, April). Do capuchin monkeys (*Cebus apella*) show self-control depletion after food exchange and accumulation tasks? Comparative Cognition Society, Melbourne, FL.
- 2017 Otolara-Garcia, A., Beran, M. J., & **Parrish, A. E.** (2017, March). How chimpanzees deal with conflicting cues during food choice tasks. Southeastern Psychological Association, Atlanta, GA. (faculty sponsor)
- 2017 James, B., Whitham, W., **Parrish, A. E.**, & Beran, M. J. (2017, March). Performance during the reverse-reward task by preschool-aged children. Southeastern Psychological Association, Atlanta, GA.
- 2017 Kelly, V., **Parrish, A. E.**, Kelly, A. J., Perdue, B. M., Love, M., Whitham, W., Luk, P., & Beran, M. J. (2017, March). Prospective memory in children during computerized maze performance. Southeastern Psychological Association, Atlanta, GA.
- 2016 **Parrish, A. E.**, Kelly, A. J., Perdue, B. M., Love, M., Whitham, W., Luk, P. Y., Kelly, V., & Beran, M. J. (2016, November). Remembering for later: Exploring prospective memory development in preschool children. Psychonomics Society, Boston, MA.
- 2016 Whitham, W., Beran, M. J., Conway, C. M., James, B., **Parrish, A. E.**, & Washburn, D. A.

(2016, November). Statistical regularities and quantity to humans and rhesus macaques. Psychonomics Society, Boston, MA.

- 2016 Kelly, V. A., **Parrish, A. E.**, Kelly, A. K., Perdue, B. M., Love, M., Whitham, W., Luk, P. Y., & Beran, M. J. (2016, October). Prospective memory in children during computerized maze performance. Psychology Undergraduate Research Conference (PURC) at Georgia State University, Atlanta GA.
- 2016 Otolora-Garcia, A., **Parrish, A. E.**, & Beran, M. J. (2016, October). How chimpanzees (*Pan troglodytes*) deal with conflicting cues during food choice tests. Psychology Undergraduate Research Conference (PURC) at Georgia State University, Atlanta GA.
- 2015 **Parrish, A. E.**, Brosnan, S. F., & Beran, M. J. (2015, November). Do you see what I see? A comparative investigation of the Delboeuf illusion in humans and monkeys. Psychonomic Society, Chicago, IL.
- 2015 **Parrish, A. E.**, & Beran, M. J. (2015, November). Anchoring effects in monkey magnitude judgments. Society for Judgment and Decision-Making, Chicago, IL.
- 2015 Beran, M. J., **Parrish, A. E.**, Futch, S. E., Evans, T. A., Perdue, B. M., & Smith, J. D. (2015, November). Information-seeking behavior and confidence judgments by chimpanzees. Society for Judgment and Decision Making, Chicago, IL.
- 2015 Futch, S. E., **Parrish, A. E.**, Perdue, B. M., Smith, J. D., Evans, T. A., & Beran, M. J. (2015, October). Confidence judgments by chimpanzees during computerized memory testing. Psychology Undergraduate Research Conference (PURC) at Georgia State University, Atlanta, GA.
- 2015 Beran, M. J., Perdue, B. M., Smith, J. D., Futch, S., Evans, T. A., & **Parrish, A. E.** (2015, May). Confidence judgments by chimpanzees during computerized memory tests. Association for Psychological Science, New York, NY.
- 2015 Agrillo, C, **Parrish, A. E.**, & Beran, M. J. (2015, May). Zollner illusion in rhesus monkeys (*Macaca mulatta*). Association for Psychological Science, New York, NY.
- 2014 **Parrish, A. E.**, & Beran, M. J. (2014, August). The Delbouef illusion in food portion judgments by chimpanzees (*Pan troglodytes*). American Psychological Association, Washington, DC.
- 2013 **Parrish, A. E.**, & Beran, M. J. (2013, November). Visual nesting of stimuli affects rhesus monkeys' (*Macaca mulatta*) quantity judgments in a bisection task. Psychonomic Society, Toronto, Canada.
- 2013 **Parrish, A. E.**, & Beran, M. J. (2013, October). The Delbouef illusion in food portion judgments by chimpanzees (*Pan troglodytes*). Association for Consumer Research meeting, Chicago, IL.

- 2013 **Parrish, A. E.**, Brosnan, S. F., Wilson, B. J., & Beran, M. J. (2013, March). Rhesus monkeys strategically respond to variable partner play in a coordination game. Southeastern Psychological Association, Atlanta, GA.
- 2012 **Parrish, A. E.**, Brosnan, S. F., & Beran, M. J. (2012, April). I'll work for you and you work for me: Oh wait, you might not matter. Center for Behavioral Neuroscience Symposium, Georgia State University.
- 2012 **Parrish, A. E.**, Brosnan, S. F., & Beran, M. J. (2012, March). I'll work for you and you work for me: Oh wait, you might not matter. Conference on Comparative Cognition, Melbourne, FL.
- 2011 **Parrish, A. E.** & Brosnan, S. F. (2011, October). Active tool transfer in a cooperative task by capuchin monkeys (*Cebus apella*). US-Japan Prosocial Behavior Workshop, Emory University, Atlanta, GA.
- 2011 **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (2011, April). Understanding economic decision making during coordination games in monkeys and apes. Center for Behavioral Neuroscience Symposium, Georgia State University.
- 2011 **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (2011, March). Understanding economic decision making during coordination games in monkeys and apes. Conference on Comparative Cognition, Melbourne, FL.
- 2010 **Parrish, A. E.**, Beran, M. J., Wilson, B., & Brosnan, S. F. (2010, June). Understanding economic decision making during coordination games in monkeys and apes. American Society of Primatology, Louisville, KY.
- 2009 **Parrish, A. E.**, & Chism, J. (2009, February). Utilization of environment by eight different primate species. Big South Undergrad Research Symposium, Asheville, NC.