

## Jeffrey R. Stevens

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### Academic Positions

NIH post-doctoral fellow     Dept. of Psychology, Harvard University, Cambridge, Massachusetts (2003-2006)

Lecturer     Dept. of Psychology, Harvard University, Cambridge, Massachusetts (2006)

Research scientist     Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin, Germany (2006-2011)

Adjunct research scientist     Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin, Germany (2011-2015)

Assistant professor     Department of Psychology, University of Nebraska-Lincoln Lincoln, Nebraska (2011-present)

Core faculty     Center for Brain, Biology, and Behavior, University of Nebraska-Lincoln Lincoln, Nebraska (2011-present)

Courtesy faculty     School of Biological Sciences, University of Nebraska-Lincoln Lincoln, Nebraska (2012-present)

Affiliated faculty     Center for Integrative and Translational Neuroscience, University of Nebraska at Omaha, Omaha, Nebraska (2015-present)

### Education

B.S.     Baylor University, Waco, Texas (1992-1996) *Magna cum laude*  
Majors: Biology, Environmental Studies; Minor: Political Science

Ph.D.     University of Minnesota, St. Paul (1997-2002)  
Major: Ecology, Evolution, and Behavior; Minor: Psychology  
Dissertation: *The behavioral ecology of food sharing*

### Publications (\*undergraduate or graduate student author, #invited journal article)

1. Do, L.H., Gooch, R.D., **Stevens, J.R.**, & Holmes, W.C. (1996). New county records of *Botrychium lunarioides* in Texas. *American Fern Journal*, 86, 28-31.
2. Holmes, W.C., Morgan, T.L., **Stevens, J.R.**, Gooch, R.D., & Singhurst, J.R. (1996). Comments on the distribution of *Botrychium lunarioides* (Ophioglossaceae) in Texas. *Phytologia*, 80, 280-283.
3. Morgan, T.L., **Stevens, J.R.**, & Holmes, W.C. (1996). First report of *Wolffiella lingulata* (Lemnaceae) in western Mexico. *SIDA*, 17, 289-290.
4. Stephens, D.W. and **Stevens, J.R.** (2001). A simple spatially-explicit ideal-free distribution: A model and an experiment. *Behavioral Ecology and Sociobiology*, 49, 220-234.
5. Stephens, D.W., McLinn, C.M., & **Stevens, J.R.** (2002). Discounting and reciprocity in an Iterated Prisoner's Dilemma. *Science*, 298, 2216-2218.
6. **Stevens, J.R.** and Stephens, D.W. (2002). Food sharing: A model of manipulation by harassment. *Behavioral Ecology*, 13, 393-400.
7. **Stevens, J.R.** (2004). The selfish nature of generosity: Harassment and food sharing. *Proceedings of the Royal Society of London, Series B*, 271, 451-456.

8. **Stevens, J.R.** and \*Cushman, F.A. (2004). Cognitive constraints on reciprocity and tolerated scrounging. *Behavioral and Brain Sciences*, *27*, 569-570.
9. **Stevens, J.R.** and Gilby, I.C. (2004). A conceptual framework for non-kin food sharing: Timing and currency of benefits. *Animal Behaviour*, *67*, 603-614.
10. **Stevens, J.R.** and Hauser, M.D. (2004). Why be nice? Psychological constraints on the evolution of cooperation. *Trends in Cognitive Sciences*, *8*, 60-65.
11. **Stevens, J.R.** and Stephens, D.W. (2004). The economic basis of cooperation: trade-offs between selfishness and generosity. *Behavioral Ecology*, *15*, 255-261.
12. **Stevens, J.R.**, \*Cushman, F.A., and Hauser, M.D. (2005). Evolving the psychological mechanisms for cooperation. *Annual Review of Ecology, Evolution, and Systematics*, *36*, 499-518.
13. **Stevens, J.R.**, \*Hallinan, E.V., and Hauser, M.D. (2005). The ecology and evolution of patience in two New World primates. *Biology Letters*, *1*, 223-226.
14. **Stevens, J.R.** and Hauser, M.D. (2005). Cooperative brains: Psychological constraints on the evolution of altruism. In S. Dehaene, J.-R. Duhamel, M.D. Hauser, & L.G. Rizolatti (Eds.), *From monkey brain to human brain* (pp. 159-187). Cambridge, MA: MIT Press.
15. **Stevens, J.R.**, \*Rosati, A.G., \*Ross, K.R., and Hauser, M.D. (2005). Will travel for food: Spatial discounting and reward magnitude in two New World monkeys. *Current Biology*, *15*, 1855-1860.
16. \*Rosati, A.G., **Stevens, J.R.**, and Hauser, M.D. (2006). The effect of handling time on temporal discounting in two New World primates. *Animal Behaviour*, *71*, 1379-1387.
17. Stephens, D.W, McLinn, C.M., and **Stevens, J.R.** (2006). Effects of temporal clumping and payoff accumulation on impulsiveness and cooperation. *Behavioural Processes*, *71*, 29-40.
18. \*Barton, A., Mousavi, S., and **Stevens, J.R.** (2007). A statistical taxonomy and another “chance” for natural frequencies. *Behavioral and Brain Sciences*, *30*, 255-256.
19. \*Rosati, A.G., **Stevens, J.R.**, Hare, B., and Hauser, M.D. (2007). The evolutionary origins of human patience: Temporal preferences in chimpanzees, bonobos, and human adults. *Current Biology*, *17*, 1663-1668.
20. **Stevens, J.R.**, \*Wood, J.N., and Hauser, M.D. (2007). Quantity trumps number: Discrimination experiments in cotton-top tamarins (*Saguinus oedipus*) and common marmosets (*Callithrix jacchus*). *Animal Cognition*, *10*, 429-437.
21. \*Heilbronner, S.R., \*Rosati, A.G., **Stevens, J.R.**, Hare, B., and Hauser, M.D. (2008). A fruit in the hand or two in the bush? Ecological pressures select for divergent risk preferences in chimpanzees and bonobos. *Biology Letters*, *4*, 246-249.
22. McElreath, R., Boyd, R., Gigerenzer, G., Glöckner, A., Hammerstein, P., Kurzban, R., Magen, S., Richerson, P., Robson, A., & **Stevens, J.R.** (2008). Individual decision making and the evolutionary roots of institutions. In C. Engel & W. Singer (Eds.), *Better than conscious? Decision making, the human mind, and implications for institutions*. Ernst Strüngmann Report 1. (pp. 325-342). Cambridge, MA: MIT Press.
23. **Stevens, J.R.** (2008). The evolutionary biology of decision making. In C. Engel & W. Singer (Eds.), *Better than conscious? Decision making, the human mind, and implications for institutions*. Ernst Strüngmann Report 1. (pp. 285-304). Cambridge, MA: MIT Press.
24. **Stevens, J.R.** & Stephens, D.W. (2008). Patience. *Current Biology*, *18*, R11-12.
25. \*Rosati, A.G. & **Stevens, J.R.** (2009). Rational decisions: The adaptive nature of context-dependence choice. In S. Watanabe, A.P. Blaisdell, L. Huber, & A. Young (Eds.), *Rational animals, irrational humans* (pp. 101-117). Tokyo: Keio University Press.
26. **Stevens, J.R.** and Hauser, M.D. (2009). Social interaction effects on reward and cognitive abilities in monkeys. In L. Squire (Ed.), *Encyclopedia of neuroscience* (pp. 45-58). Oxford: Academic Press.

27. \*Straubinger, N. Cokely, E.T., and **Stevens, J.R.** (2009). The dynamics of development: Challenges for Bayesian rationality. Commentary in *Behavioral and Brain Sciences*, 32, 103-104.
28. **Stevens, J.R.** (2010). The challenges of understanding animal minds. *Frontiers in Psychology*, 1, 203.
29. **Stevens, J.R.** (2010). Donor payoffs and other-regarding preferences in cotton-top tamarins (*Saguinus oedipus*). *Animal Cognition*, 13, 663-670.
30. **Stevens, J.R.** (2010). Intertemporal choice. In M. Breed & J. Moore (Eds.), *Encyclopedia of animal behavior* (Vol. 2, pp. 203-208). Oxford: Academic Press.
31. **Stevens, J.R.** (2010). Rational decision making in primates: The bounded and the ecological. In M.L. Platt & A.A. Ghazanfar (Eds.), *Primate neuroethology* (pp. 98-116). Oxford: Oxford University Press.
32. **Stevens, J.R.** & Stephens, D.W. (2010). The adaptive nature of impulsivity. In G.J. Madden & W.K. Bickel (Eds.), *Impulsivity: The behavioral and neurological science of discounting* (pp. 361-387). Washington, D.C.: APA Press.
33. \*Mühlhoff, N., **Stevens, J.R.** & Reader, S.M. (2011). Spatial discounting of food and social rewards in guppies (*Poecilia reticulata*). *Frontiers in Psychology*, 2, 68. doi:10.3389/fpsyg.2011.00068
34. Seed, A., Clayton, N., Carruthers, P., Dickinson, A., Glimcher, P.W., Güntürkün, O., Hampton, R.R., Kacelnik, A., Shanahan, M., **Stevens, J.R.** & Tebbich, S. (2011). Planning, memory, and decision making. In R. Menzel & J. Fischer (Eds.), *Animal thinking: Contemporary issues in comparative cognition*. Ernst Strüngmann Forum Report (vol. 8, pp. 121-147). Cambridge, MA: MIT Press.
35. **Stevens, J.R.** (2011). Mechanisms for decisions about the future. In R. Menzel & J. Fischer (Eds.), *Animal thinking: Contemporary issues in comparative cognition*. Ernst Strüngmann Forum Report (vol. 8, pp. 93-104). Cambridge, MA: MIT Press.
36. #**Stevens, J.R.**, \*Rosati, A.G., \*Heilbronner, S.R., & \*Mühlhoff, N. (2011). Waiting for grapes: Expectancy and delayed gratification in bonobos. *International Journal of Comparative Psychology*, 24, 99-111.
37. **Stevens, J.R.**, \*Volstorf, J., Schooler, L.J., & Rieskamp, J. (2011). Forgetting constrains the evolution of cooperative decision strategies. *Frontiers in Psychology*, 1, 235. doi:10.3389/fpsyg.2010.00235
38. \*Volstorf, J., Rieskamp, J. & **Stevens, J.R.** (2011). The good, the bad, and the rare: Memory for partners in social interactions. *PLoS ONE*, 6, e18945. doi:10.1371/journal.pone.0018945
39. \*Artinger, F., \*Fleischhut, N., Levanti, V., & **Stevens, J.R.** (2012). Cooperation in risky environments: decisions from experience in a stochastic social dilemma. *Proceedings of the 34th Conference of the Cognitive Science Society* (pp. 84-89). Austin, TX: Cognitive Science Society.
40. Gluck, K.A., McNamara, J.M., Brighton, H., Dayan, P., Kareev, Y., Krause, J., Kurzban, R., Selten, R., **Stevens, J.R.**, Voelkl, B., & Wimsatt, W.C. (2012). Robustness in a variable environment. In P. Hammerstein & J.R. Stevens (Eds.), *Evolution and the mechanisms of decision making*. Ernst Strüngmann Forum Report (vol. 11, pp. 195-214). Cambridge, MA: MIT Press.
41. Hammerstein, P., & **Stevens, J.R.** (2012). *Evolution and the mechanisms of decision making*. Ernst Strüngmann Forum Report (vol. 11). Cambridge, MA: MIT Press.
42. Hammerstein, P., & **Stevens, J.R.** (2012). Six reasons to evoke evolution in decision theory. In P. Hammerstein & J.R. Stevens (Eds.), *Evolution and the mechanisms of decision making*. Ernst Strüngmann Forum Report (vol. 11, pp. 1-17). Cambridge, MA: MIT Press.
43. Stevens, A.N.P. & **Stevens, J.R.** (2012). Animal cognition. *Nature Education Knowledge*, 3, 1
44. #**Stevens, J.R.** & \*Mühlhoff, N. (2012). Intertemporal choice in lemurs. *Behavioural Processes*, 89, 121-127. doi:10.1016/j.beproc.2011.10.002
45. #Kaighobadi, F. & **Stevens, J.R.** (2013). Does fertility status influence impulsivity and risk taking in human females? Adaptive influences on intertemporal choice and risky decision making. *Evolutionary Psychology*, 11, 700-717. doi:10.1177/147470491301100314

46. Pachur, T., Schooler, L.J., & **Stevens, J.R.** (2013). When will we meet again? Regularities of social connectivity and their reflections in memory and decision making. In: R. Hertwig, U. Hoffrage, & the ABC Research Group (Eds.), *Simple heuristics in a social world* (pp. 199-224). Oxford: Oxford University Press.
47. #**Stevens, J.R.** (2013). The bounds of rationality and cognitive building blocks. *Behavioral Ecology*, *24*, 13-14. doi:10.1093/beheco/ars089
48. **Stevens, J.R.** & King, A.J. (2013). The lives of others: Social rationality in animals. In: R. Hertwig, U. Hoffrage, & the ABC Research Group (Eds.), *Simple heuristics in a social world* (pp. 409-431). Oxford: Oxford University Press.
49. #**Stevens, J.R.**, Pachur, T., & Schooler, L. J. (2013). Rational analysis of the adaptive and predictive nature of memory. *Journal of Applied Research in Memory and Cognition*, *2*, 251-253. doi:10.1016/j.jarmac.2013.10.006
50. **Stevens, J.R.** (2014). Evolutionary pressures on primate intertemporal choice. *Proceedings of the Royal Society of London, Series B*, *281*, 20140499. doi:10.1098/rspb.2014.0499
51. Pachur, T., Schooler, L.J., & **Stevens, J.R.** (2014). We'll meet again: Revealing distributional and temporal patterns of social contact. *PLoS ONE*, *9*, e86081. doi:10.1371/journal.pone.0086081
52. Barron, A.B., Hebets, E.A., Cleland, T.A., Fitzpatrick, C.L., Hauber, M.E., & **Stevens, J.R.** (2015). Embracing multiple definitions of learning. *Trends in Neurosciences*, *38*, 405-407. doi:10.1016/j.tins.2015.04.008
53. \*Duque, J.F. & **Stevens, J.R.** (2016). Voluntary food sharing in pinyon jays: The role of reciprocity and dominance. *Animal Behaviour*, *122*, 135144. doi:10.1016/j.anbehav.2016.09.020
54. Mendelson, T.C., Fitzpatrick, C.L., Hauber, M.E., Pence, C.H., Rodríguez, R.L., Safran, R.J., \*Stern, C.A., **Stevens, J.R.** (2016). Cognitive phenotypes and the evolution of animal decisions. *Trends in Ecology and Evolution*, *31*, 850-859. doi:10.1016/j.tree.2016.08.008
55. **Stevens, J.R.** (2016). Intertemporal similarity: Discounting as a last resort. *Journal of Behavioral Decision Making*, *29*, 12-24. doi:10.1002/bdm.1870
56. **Stevens, J.R.**, \*Kennedy, B.A., \*Morales, D., & Burks, M. (2016). The domain specificity of intertemporal choice in pinyon jays. *Psychonomic Bulletin & Review*, *23*, 915-921. doi:10.3758/s13423-015-0973-6
57. **Stevens, J.R.** & \*Duque, J. (2016). Psychology of reciprocal altruism. In: T.K. Shackelford & V.A. Weekes-Shackelford (Eds.), *Encyclopedia of evolutionary psychological science* (pp. 1-9). New York: Springer. doi:10.1007/978-3-319-16999-6\_3051-1
58. **Stevens, J.R.**, Marewski, J.N., Schooler, L.J., & Gilby, I.C. (2016). Reflections of the social environment in chimpanzee memory: Applying rational analysis beyond humans. *Royal Society Open Science*, *3*, 160293. doi:10.1098/rsos.160293
59. \*Duque, J.F. & **Stevens, J.R.** (2017). Cylinder task. In: J. Vonk & T.K. Shackelford (Eds.), *Encyclopedia of animal cognition and behavior*. New York: Springer. doi:10.1007/978-3-319-47829-6\_1608-1
60. **Stevens, J.R.** (2017). Intertemporal choice and delayed gratification. In: J. Call (Ed.), *APA handbook of comparative psychology* (pp. 535-552). Washington, DC: American Psychological Association. doi:10.1037/0000012-024
61. **Stevens, J.R.** (2017). *Impulsivity: How risk and time influence decision making*. New York: Springer.
62. **Stevens, J.R.** (2017). The many faces of impulsivity. In J.R. Stevens (Ed.) *Impulsivity: How risk and time influence decision making*. New York: Springer. doi:10.1007/978-3-319-51721-6\_1
63. **Stevens, J.R.** (2017). Replicability and reproducibility in comparative psychology. *Frontiers in Psychology*, *8*, 862. doi:10.3389/fpsyg.2017.00862

64. Regenwetter, M., Cavagnaro, D., \*Popova, A., \*Guo, Y., \*Zwilling, C., Lim, S.-H., & **Stevens, J.R.** (in press). Heterogeneity and parsimony in intertemporal choice. *Decision*. doi:10.1037/dec0000069

### Invited Presentations

- 2003 “The behavioral ecology of food sharing”, Dept. of Psychology, University of Pennsylvania
- 2004 “Selfish minds: psychological constraints on the evolution of animal cooperation”, Dept. of Psychology, University of New Hampshire
- 2004 “Temporal discounting and cooperation in non-human animals”, Advances in Economics and Biology, Toulouse, France
- 2004 “Selfish minds: psychological constraints on the evolution of cooperation”, Cognition, Brain, and Behavior Group, Dept. of Psychology, Harvard University
- 2005 “Rational minds: the psychology and ecology of animal decision making”, Center for Ecology and Conservation Biology, Boston University
- 2005 “Rational minds: the psychology and ecology of animal decision making”, Dept. of Developmental and Comparative Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- 2006 “Temporal discounting and aging”, MaxnetAging Conference, Naples, Italy
- 2006 “Evolving the psychological mechanisms for cooperation”, Dept. of Behavioral Ecology, University of Bern, Switzerland
- 2007 “The evolution of patience: temporal preferences in humans and other animals”, Max Planck Society PhDNet Conference, Berlin, Germany
- 2007 “The evolution of primate patience”, Dept. of Zoology, Oxford University
- 2007 “Rational minds: economic decision making in animals”, Ape Economics Conference, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- 2007 “The evolutionary origins of patience”, Dept. of Biology, Humboldt University, Berlin, Germany
- 2008 “The bounded rationality of cooperation”, Wenner-Gren Symposium on Human Evolution, Stockholm, Sweden
- 2008 “The evolution of patience”, Max Planck Institute for Molecular Genetics Retreat, Berlin, Germany
- 2008 “The bounded rationality of cooperation”, Evolution of Cognition and Evolution of Cooperation Workshop, Provence, France
- 2008 “The evolution of patience: temporal preferences in primates”, Max Planck Institute for Ornithology, Seewiesen, Germany
- 2009 “The bounded rationality of cooperation”, Dept. of Cognitive Biology, University of Vienna, Austria
- 2009 “The bounded rationality of self-control”, Evolution and Human Adaptation Program, University of Michigan
- 2009 “The bounded rationality of cooperation”, Workshop on Social Interactions, University of Neuchâtel, Switzerland
- 2010 “The bounded rationality of cooperation”, Department of Psychology, University of Basel, Switzerland
- 2010 “The ecological rationality of patience”, Institute for Cognitive Science and Technologies, Consiglio Nazionale delle Ricerche, Rome, Italy
- 2010 “The bounded rationality of cooperation”, Research Center on Animal Cognition, Université Paul Sabatier, Toulouse, France
- 2010 “Darwinian decisions: the psychology and evolution of decision making”, Zoological Society of London’s Communicating Science series, London

- 2010 “The bounded rationality of cooperation”, Workshop on Avoiding Tragedies of the Commons, University of Neuchâtel, Switzerland
- 2011 “The ecological rationality of patience”, CompCog Conference, Prague, Czech Republic
- 2011 “The bounded rationality of cooperation”, Faculty of Biology, University of Lausanne, Switzerland
- 2012 “Cognition and the evolution of cooperation”, Social Structure Summer School, Göttingen, Germany
- 2012 “The cognitive building blocks of cooperation”, NIH OppNet Workshop on Improving Animal Models of Human Behavioral and Social Processes, Rockville, Maryland
- 2012 “Similarity as an alternative to temporal discounting”, Quantitative Psychology Program, University of Illinois at Urbana-Champaign
- 2013 “The bounded rationality of self-control”, Department of Psychology, Kansas State University
- 2015 “Changing minds: the science of belief”, UNL SciComm 2015: A Symposium for Effective Science Communication, University of Nebraska-Lincoln
- 2015 “The cognition and evolution of patience”, Beta Beta Beta Honor Society, Nebraska Wesleyan University
- 2015 “The bounded rationality of cooperation”, Workshop on The Costs and Benefits of Information Acquisition and Use in Social Interactions, Arolla, Switzerland
- 2016 “The bounded rationality of reciprocity”, Program in Behavior, Economics, and Evolution, University of Lausanne, Switzerland

### Conference Presentations

- 2002 “The economics of food sharing: when should blue jays cooperate?”, **Stevens, J.R.**, and Stephens, D. W. Animal Social Complexity and Intelligence Conference, Chicago, IL. (poster)
- 2002 “Harassment increases food sharing: a selfish explanation for generosity in primates”, Animal Behaviour Society, Bloomington, IN.
- 2003 “The selfish nature of generosity: harassment and food sharing in primates”, 4. Göttinger Freiländertage: Cooperation in Primates and Humans, Göttingen, Germany.
- 2004 “The selfish nature of generosity: harassment and food sharing in primates”, International Society for Behavioral Ecology, Jyväskylä, Finland.
- 2004 “The ecology and evolution of patience in two New World primates”, **Stevens, J.R.**, Hallinan, E.V., and Hauser, M.D., Society for the Quantitative Analyses of Behavior, Boston, MA (poster).
- 2004 “Quantity discrimination in two callitrichid primate species”, **Stevens, J.R.** and Hauser, M.D. Comparative Cognition Conference, Melbourne, FL.
- 2005 “The value of time and space in two New World monkeys”, **Stevens, J.R.**, Rosati, A.G., and Hauser, M.D., Comparative Cognition Conference, Melbourne, FL.
- 2007 “Evolutionary origins of patience”, Rosati, A.G, **Stevens, J.R.**, Hare, B., and Hauser, M.D., 6. Göttinger Freiländertage: Primate Behavior and Human Universals, Göttingen, Germany.
- 2007 “Similarity in intertemporal choice: an outcome and process approach”, Society for Judgment and Decision Making Conference, Long Beach, CA (poster).
- 2007 “Intertemporal choice in apes and humans”, **Stevens, J.R.**, Rosati, A.G, Hare, B., and Hauser, M.D., Subjective Probability, Utility, and Decision Making Conference, Warsaw, Poland.
- 2007 “The evolutionary origins of human patience”, Rosati, A.G, **Stevens, J.R.**, Hare, B., and Hauser, M.D., Comparative Cognition Conference, Melbourne, FL.
- 2007 “Evolving the psychological mechanisms for cooperation”, Social Organization and Cognitive Tools Conference, Konrad Lorenz Research Station, Grünau, Austria.
- 2008 “The ecological rationality of risk sensitivity in chimpanzees and bonobos”, **Stevens, J.R.**, Rosati, A.G., Heilbronner, S.R., Hare, B., and Hauser, M.D., Comparative Cognition and Learning Meeting, Chicago, IL.

- 2008 “The value of waiting and receiving in intertemporal choice”, Cokely, E.T, **Stevens, J.R.**, Read, D., and Frederick, S., Society for Judgment and Decision Making Meeting, Chicago, IL (poster).
- 2008 “The ecological rationality of patience and risk sensitivity”, **Stevens, J.R.**, Rosati, A.G., Heilbrunner, S.R., Hare, B., and Hauser, M.D., International Primatological Society Congress, Edinburgh, Scotland.
- 2009 “Expectation and delayed gratification in bonobos”, **Stevens, J.R.**, Rosati, A.G., and Heilbrunner, S.R., International Ethological Congress, Rennes, France.
- 2009 “Models of similarity in intertemporal choice”, **Stevens, J.R.**, Cognitive Science Conference, Amsterdam, The Netherlands (poster).
- 2009 “Reflections of the social environment in primate minds?”, **Stevens, J.R.**, Marewski, J.N., Schooler, L.J., Gilby, I.C., & Wrangham, R.W., The Primate Mind Workshop, Erice, Sicily (poster).
- 2009 “Expectation and delayed gratification in bonobos”, **Stevens, J.R.**, Rosati, A.G., and Heilbrunner, S.R., Comparative Cognition Conference, Melbourne, FL (poster).
- 2010 “Memory interference constrains the emergence of cooperation”, **Stevens, J.R.**, Volstorf, J., Schooler, L.J., & Rieskamp, J., Psychonomic Society Meeting, St. Louis, MO.
- 2010 “The past predicts the future: patterns of social contact in chimpanzees”, **Stevens, J.R.**, Marewski, J.N., Schooler, L.J., Gilby, I.C., & Wrangham, R.W., Comparative Cognition Society Fall Meeting, St. Louis, MO.
- 2010 “Models of similarity in intertemporal choice”, German Society for Cognitive Science, Potsdam, Germany.
- 2010 “Spatial discounting in fish: the convergence of space, time, and number”, **Stevens, J.R.**, Schmücking, N., & Reader, S., European Conference on Behavioural Biology, Ferrara, Italy.
- 2010 “Memory interference constrains the evolution of cooperation”, **Stevens, J.R.**, Volstorf, J., Schooler, L.J., & Rieskamp, J., European Human Behavior and Evolution Conference, Wrocław, Poland.
- 2011 “Spatial discounting of food and social rewards in guppies”, Mühlhoff, N., **Stevens, J.R.**, and Reader, S.M., Comparative Cognition Conference, Melbourne, FL.
- 2011 “Alternatives to discounting for intertemporal choice”, Psychonomic Society Meeting, Seattle, WA.
- 2011 “Reproducible results in comparative cognition”, Comparative Cognition Society Fall Meeting, Seattle, WA.
- 2012 “Is cooperative memory special? The role of costly errors and context when remembering the past”, **Stevens, J.R.** and Winke, T., Psychonomic Society Meeting, Minneapolis, USA.
- 2012 “Testing theories of intertemporal choice”, Regenwetter, M., **Stevens, J.R.**, Guo, Y., Popova, A., and Zwilling, C., Workshop on Testing Theories of Choice Behavior, Berlin, Germany.
- 2012 “Memory for cooperative actions: the role of costly errors and context when remembering the past”, **Stevens, J.R.** and Winke, T., Animal Behavior Society–Human Behavior and Evolution Society joint meeting, Albuquerque, NM.
- 2013 “Heuristic and discounting models of intertemporal choice: A quantitative test”, Regenwetter, M., **Stevens, J.R.**, Guo, Y., Popova, A., and Zwilling, C., Psychonomic Society Meeting, Toronto, Canada.
- 2013 “Time, risk, and environmental decisions”, **Stevens, J.R.**, Arthurs, L., and Thurley, A., Society for Judgment and Decision Making Meeting, Toronto, Canada.
- 2013 “The psychology of intertemporal choice: concepts and mechanisms”, CompCog Workshop on Concepts and Methodologies in the Field of Intertemporal Choices, Vienna, Austria.
- 2013 “Wait, there’s more: opportunity costs in intertemporal choices”, **Stevens, J.R.**, Addessi, E., and Paglieri, F., Comparative Cognition Conference, Melbourne, FL.
- 2014 “Similarity model accounts for magnitude and sign effects in intertemporal choice”, **Stevens, J.R.**, Society for Judgment and Decision Making Meeting, Long Beach, CA (poster).

- 2014 “The domain specificity of self-control: Caching and intertemporal choice in pinyon jays”, **Stevens, J.R.**, Kennedy, B.A., Morales, D. and Burks, M., Psychonomic Society Meeting, Long Beach, CA.
- 2014 “The domain specificity of self-control”, **Stevens, J.R.**, Kennedy, B.A., Morales, D. and Burks, M., Comparative Cognition Conference, Melbourne, FL.
- 2015 “Similarity judgments of time delay and reward amount in intertemporal choice”, **Stevens, J.R.** & Soh, L.-K., Psychonomic Society Meeting, Chicago (poster).
- 2015 “The nature of decisions: the influence of natural and built environments on decision making”, Johnson, E.L. & **Stevens, J.R.**, Society for Judgment and Decision Making Meeting, Chicago (poster).
- 2016 “Naturally nice and controlled: effects of exposure to nature on stress and decision making”, **Stevens, J.R.**, Society for Neuroeconomics Meeting, Berlin (poster).
- 2017 “Judging similarity in intertemporal choice with decision trees”, **Stevens, J.R.** & Soh, L.-K. Oklahoma-Kansas Judgment and Decision Making Conference, Norman, OK.
- 2017 “Social network structure can buffer costs of forgetting in the evolution of cooperation”, **Stevens, J.R.**, Woike, J.K., Schooler, L.J., Lindner, S., & Pachur, T. Comparative Cognition Conference, Melbourne, FL.

### Grants and Fellowships

- 1996 Bob Gardner Memorial Research Grant in Biology (\$500—Baylor University)
- 2000 Animal Behavior Society Student Research Grant, “Manipulative mutualism: the effects of harassment on food sharing” (\$500)
- 2000-2001 L.S.B. Leakey Foundation General Grant, “The effects of harassment on food sharing in primates” (\$10,000)
- 2001 Alexander P. and Lydia Anderson Fellowship (University of Minnesota), “The behavioral ecology of food sharing” (\$5,970)
- 2002-2003 Doctoral Dissertation Fellowship (University of Minnesota), “The behavioral ecology of food sharing” (\$14,000)
- 2003-2006 National Institutes of Health NRSA Post-doctoral Fellowship, “Psychological constraints on altruism and reciprocity” (F32-MH067408-01, \$118,000)
- 2007 Deutsche Forschungsgemeinschaft International Conference and Lecture Trips, “Temporal discounting in humans and apes” (1200 euro or \$1600)
- 2008 Deutsche Forschungsgemeinschaft International Conference and Lecture Trips, “The ecological rationality of patience and risk sensitivity in *Pan*” (1300 euro or \$2000)
- 2009 Deutscher Akademischer Austausch Dienst International Conference Trips “Reflections of the social environment in the primate mind?” (775 euro or \$1100)
- 2010 Deutscher Akademischer Austausch Dienst International Conference Trips “Memory interference constrains the evolution of cooperation” (680 euro or \$815)
- 2010-2011 Science of Virtue Grant, “The heuristics of virtue: integrating virtue ethics and the science of heuristics” Co-PI with E.T. Cokely, A. Feltz, J.N. Marewski, F. Artinger, N. Fleischhut, M. Keller, and G. Gigerenzer (\$200,000)
- 2011-2014 TransCoop Grant from Alexander von Humboldt Foundation, “A quantitative analysis of heuristics and discounting models of intertemporal choice” PI with Michel Regenwetter (50,000 euro or \$64,500)
- 2011-2016 National Science Foundation, “A quantitative analysis of heuristics and discounting models of intertemporal choice” Co-PI with Michel Regenwetter (NSF-1062045, \$528,916)
- 2012-2013 University of Nebraska-Lincoln, Planning Grant for the Pathway to Interdisciplinary Research Centers program, Co-PI with Leilani Arthurs (\$9,989)



- 2012-2014 University of Nebraska-Lincoln, College of Arts & Science Interdisciplinary Seed Grant, “Environmental decisions in an uncertain world”, Co-PI with Leilani Arthurs (\$6,579)
- 2013 University of Nebraska-Lincoln, Faculty Seed Grant, “Developing an animal model of self-control” (\$9,968)
- 2013 European Science Foundation, CompCog Discussion Meeting, “Concepts and methodologies in the field of intertemporal choices”, Co-PI with Friederike Range (8,000 euro or \$10,460)
- 2014-2016 National Science Foundation REU Supplement, “A quantitative analysis of heuristics and discounting models of intertemporal choice” Co-PI with Michel Regenwetter (NSF-1062045, \$6,000)
- 2014-2016 Nebraska EPSCoR FIRST Grant, “Hormonal mechanisms of cooperation” (\$19,927)
- 2015-2016 University of Nebraska-Lincoln, Layman Award, “Hormonal influences on social bonding and cooperation” (\$10,000)
- 2016 University of Nebraska-Lincoln, College of Arts & Sciences International Travel Award, Society for Neuroeconomics Meeting (\$1,500)
- 2016 University of Nebraska-Lincoln, Center for Brain, Biology and Behavior Seed Grant, “Stress as a mediator between exposure to nature and decision making” (\$4,600)
- 2016 University of Nebraska Food for Health Collaboration Initiative Planning Grant , “Understanding the effect of exercise on future food intake: The role of behavioral, physiological, and neural mechanisms” Co-PI with Karsten Koehler (PI), Matthew Bice, Ronald Bulbulian, Jeffrey French, Christopher Gustafson, Maital Neta, Scott Stoltenberg (\$20,000)
- 2017-2021 National Science Foundation, “Similarity as a process model of intertemporal choice” PI with Leen-Kiat Soh (NSF-1658837, \$655,373)
- 2017-2018 University of Nebraska-Lincoln, College of Arts & Sciences International Research Collaboration Award, “Oxytocin as a hormonal mechanism of prosociality in dogs and wolves” (\$9,964)
- 2017-2019 University of Nebraska Food for Health Collaboration Initiative Seed Grant , “Understanding the effect of exercise on future food intake: The role of behavioral, physiological, and neural mechanisms” Co-PI with Karsten Koehler (PI), Matthew Bice, Ronald Bulbulian, Jeffrey French, Christopher Gustafson, Maital Neta, Scott Stoltenberg (\$150,000)

## Teaching Experience

- Teaching assistant, *General Biology, Biol 1009*—Biology, University of Minnesota (1997, 1998)
- Teaching assistant, *Introduction to Animal Behavior, EEB 3111*—Ecology, Evolution, and Behavior, University of Minnesota (1998, 1999, 2001)
- Teaching assistant, *Behavioral Ecology, EEB 5325/7*—Ecology, Evolution, and Behavior, University of Minnesota (1999, 2000, 2002)
- Teaching assistant, *Evolution of Social Behavior, EEB 5321*—Ecology, Evolution, and Behavior, University of Minnesota (2000)
- Teaching fellow, *Evolution of Human Nature, Science B-29*—Harvard University (2003)
- Teaching fellow, *Animal Cognition Laboratory, Psych 1152r*—Harvard University (2005)
- Discussion leader, *Advances in Behavioral Economics*—Harvard University (Fall 2005)
- Lecturer, *Psychology of Economic Decision Making, Psy 1104*—Harvard University (Spring 2006)
- Instructor, *Evolution, Behavior, and Society, Psyc 270*—University of Nebraska (Fall 2011–2016)
- Instructor, *Psychology of Decision Making, Psyc 971*—University of Nebraska (Spring 2012, 2013, 2015, 2017)
- Instructor, *Learning Processes, Psyc 461/861*—University of Nebraska (Spring 2013–2017)
- Instructor, *Perspectives in Psychology, Psyc 440/840*—University of Nebraska (Fall 2013–2016)

### Summer Schools and Graduate/Undergraduate Workshops

- 2007 “Evolutionary perspectives on decision making”, International Max Planck Research School: LIFE Seminar
- 2008 “The evolution of ecological rationality”, Summer Institute on Bounded Rationality, Berlin, Germany
- 2009-2011 “Darwinian decision making”, Summer Institute on Bounded Rationality, Berlin, Germany
- 2013, 2015, 2016 “An introduction to using R”, University of Nebraska-Lincoln
- 2016 “The psychology of decision making”, College of Business Administration Honors Academy Workshop, UNL

### Guest Lectures

- 1998 “A game theoretical approach to fighting and assessment”, University of Minnesota—Evolution of Social Behavior: EEB 5321
- 1999-2000 “Foraging and territoriality”, University of Minnesota—Behavioral Ecology: EEB 5325/7
- 1999 “Competition and fighting”, University of Minnesota—Introduction to Animal Behavior: EEB 3111
- 2000-2001 “Non-kin cooperation”, University of Minnesota—Evolution of Social Behavior: EEB 5321, Introduction to Animal Behavior: Biol 3411
- 2002 “Cognitive ecology”, University of Minnesota—Behavioral Ecology: EEB 5327
- 2002 “The evolution of sex”, University of Minnesota—Behavioral Ecology: EEB 5327
- 2003 “Games people play: human psychology and economics”, Mount Ida College—Global Scientific Issues: NS 303
- 2003 “Cooperative minds: the evolutionary psychology of altruism”, Harvard University—Intro. to Psychology: Psych 1
- 2005 “Cognitive constraints on reciprocity”, Harvard University—Evolution and Social Behavior: Phil 252

### Theses Advised

- Elizabeth Hallinan—“Temporal discounting in two New World primates, the cotton-top tamarin (*Saguinus oedipus*) and the common marmoset (*Callithrix jacchus*).” (senior thesis, Mind, Brain, and Behavior Program, Dept. of Biology, Harvard University—2003-2004)
- Alexandra Rosati—“Context-dependent discounting in two New World primates, the cotton-top tamarin (*Saguinus oedipus*) and the common marmoset (*Callithrix jacchus*).” (senior thesis, Mind, Brain, and Behavior Program, Dept. of Psychology, Harvard University—2004-2005) *Winner of Hoopes Thesis Award and Psychology Faculty Award*
- Sarah Heilbronner—“The evolution of risk-sensitive preferences in nonhuman primates.” (Mind, Brain, and Behavior Program, Dept. of Psychology, Harvard University—2005-2007) *Winner of Psychology Faculty Award*
- Nelly Mühlhoff—“Spacial discounting of food and social partners in guppies (*Poecilia reticulata*).” (Diploma (Masters) thesis, Humboldt-Universität—2009-2010)
- Tim Winke—“The role of costly errors in cooperative memory.” (Bachelors thesis, Universität Bayreuth—2010-2011)
- Jenny Volstorf—“The role of memory in cooperation.” (PhD thesis, International Max Planck Research School on Adapting Behavior in a Fundamentally Uncertain World—2008-2012)
- Whitney Leichner—“Hormonal mechanisms of non-kin cooperation: A study of the effects of mesotocin on prosocial behavior in pinyon jays (*Gymnorhinus cyanocephalus*).” (honor’s thesis, Dept. of Psychology, University of Nebraska-Lincoln—2014-2015)

Molly Shane—“Nature’s effect on stress and decision making.” (honor’s thesis, Dept. of Psychology, University of Nebraska-Lincoln—2015-2016)

Tyler Stading—“Naturally stressed: The effect of nature exposure on stress physiology and decision making.” (honor’s thesis, Dept. of Psychology, University of Nebraska-Lincoln—2015-2016)

### **Outreach and Science Communication**

2014 Volunteer for “Eight-Legged Encounters” outreach exhibit at Denver Museum of Nature and Science

2015 Stevens, A.N.P. & **Stevens, J.R.** Cool jobs: Getting in your head. *Science News for Students*.

2015 Invited speaker for UNL SciComm 2015: A Symposium for Effective Science Communication

2015 Co-Leader “Science Literacy: Applied STEM Reasoning for the 21st Century and Beyond” project

2015 Volunteer judge for Morley Elementary Science Fair

2016 Organizer for “Bird Brains” exhibit at Sunday with a Scientist at University of Nebraska State Museum

### **Professional Service and Development**

1999 Participant in TA Web Certification, TAWEB 103—Academic and Distributed Computing Services, Center for Teaching and Learning Services, University of Minnesota

1999-2000 Student representative for departmental seminar committee, Dept. of Ecology, Evolution, and Behavior, University of Minnesota

1999-2001 Student representative for Mechanisms of Behavior faculty search, Dept. of Ecology, Evolution, and Behavior, University of Minnesota

2000 Organizer of the Biological Basis of Behavior Seminar, EEB 8360—Ecology, Evolution, and Behavior, University of Minnesota

2000 Co-author curriculum for Introduction to Animal Behavior Laboratory, EEB 3411—Ecology, Evolution, and Behavior, University of Minnesota

2002 Participant in Preparing Future Faculty Retreat—Preparing Future Faculty, Center for Teaching and Learning Services, University of Minnesota

2003 Participant in Fall Teaching Conference—Derek Bok Center for Teaching and Learning, Harvard University

2004 Workshop leader for the Mind, Brain, and Behavior Senior Thesis Workshops, Harvard University

2007 Organizer for MPI Workshop on Inferences and Preferences in Humans and Other Animals, MPI for Evolutionary Anthropology, Leipzig, Germany

2007 Co-organizer of Workshop on Lifespan Development of Heuristics and Evolutionary Perspectives, International Max Planck Research School: LIFE

2008-2011 Faculty for Summer Institute on Bounded Rationality in Psychology and Economics, Berlin, Germany

2010 Co-organizer (with Christian Agrillo) of symposium on Space, Time, and Number Representation in Animals for European Conference on Behavioural Biology, Ferrara, Italy

2010-2011 Associate researcher in Center for Integrative Life Sciences, Humboldt-Universität, Berlin, Germany

2010-present Editor-in-chief of *Frontiers in Comparative Psychology*

2010-present Associate editor of *Frontiers in Psychology*

2011 Co-organizer (with Peter Hammerstein) of Ernst Strüngmann Forum on Evolving the Mechanisms of Decision Making, Frankfurt, Germany

2011-2012 Participant in UNL’s Research Development Fellows Program

- 2011 Participant in NESCent working group on How Does Cognition Evolve?  
 2012 Co-organizer (with Michel Regenwetter) of Workshop on Testing Theories of Choice Behavior, Berlin, Germany  
 2013 Co-organizer (with Friederike Range) of CompCog Workshop on Concepts and Methodologies in the Field of Intertemporal Choices, Vienna, Austria  
 2013-2014 Participant in NESCent working group on Evolution of Decision Making  
 2016 Organizer of Nebraska Symposium on Motivation on Impulsivity: How Time and Risk Influence Decision Making, University of Nebraska-Lincoln

### **Honors and Awards**

- 1996 Phi Beta Kappa National Honor Society, Baylor University  
 1996 Outstanding Senior in Biology, Baylor University  
 1996 Outstanding Senior Thesis in Environmental Studies, Baylor University  
 1997 School of Biological Sciences Research Assistantship Award, University of Nebraska-Lincoln  
 2001 College of Biological Sciences Outstanding Teaching Assistant Award, University of Minnesota  
 2003 Derek Bok Center for Teaching and Learning Certificate of Distinction in Teaching, Harvard University  
 2016 College of Arts and Sciences Distinguished Teaching Award, University of Nebraska-Lincoln  
 2017 UNL Parents Association Certificate of Recognition for Contributions to Students, University of Nebraska-Lincoln

### **Ad-hoc Referee**

*Animal Behaviour, Animal Cognition, Behavioral and Brain Sciences, Behavioral Ecology, Behavioral Ecology and Sociobiology, Behaviour, Behavioural Processes, Biology Letters, Cognition, Cognitive Science Society, Current Biology, Current Directions in Psychological Science, Etología, Evolutionary Psychology, Journal of Behavioral Decision Making, Journal of Comparative Psychology, Journal of Economic Psychology, Journal of Experimental Psychology: Learning, Memory, and Cognition, Learning & Behavior, Nature Reviews Neuroscience, Naturwissenschaften, Personality and Social Psychology Review, PLoS Biology, PLoS ONE, Proceedings of the Royal Society of London: Series B, Psychonomic Bulletin & Review, Review of General Psychology, Science, Scientific Reports, Trends in Cognitive Sciences,*

Institute for Advanced Study Berlin, Konrad Lorenz Institute, Leakey Foundation, L'Oreal Foundation, National Science Foundation, Vienna Science and Technology Fund, Wellcome Trust

### **Grant Panels**

- 2015 National Science Foundation, Animal Behavior Doctoral Dissertation Improvement Grant panel  
 2015-2016 University of Nebraska-Lincoln Graduate Fellowship panel

### **Professional Societies**

Animal Behavior Society, Comparative Cognition Society, International Society for Behavioral Ecology, Psychonomic Society, Society for Judgment and Decision Making