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Academic Positions

2007-present Associate Professor, Yale University, Department of Psychology
2003-2007 Assistant Professor, Yale University, Department of Psychology

Education

2003 Ph.D. Harvard University
(Department of Psychology, Program in Cognition, Brain and Behavior)
2001 M.A. Harvard University
(Department of Psychology, Program in Cognition, Brain and Behavior)
1997 A.B. Harvard and Radcliffe College
(Psychology and Biology magna cum laude with highest distinction,
Certificate in Mind, Brain, & Behavior)

Academic Awards

2010 TED Talk, Invited Speaker at TED Global Conference, Oxford, UK
2008 Arthur Greer Memorial Prize for Outstanding Junior Faculty, Yale University
2008 Stanton Prize, Society for Philosophy and Psychology
2007 Popular Science Magazine "Brilliant 10" Young Scientist
2003 Richard J. Herrnstein Dissertation Prize
2000 McDonnell Cognitive Neuroscience Summer Institute (selected participant)
1998-1999 Evolution of Mind Summer Institute (selected participant)
1997 Adams House Senior Science Award
1997 Psychology Department Undergraduate Thesis Prize
1996 Ford Foundation Baccalaureate Award

Teaching

Yale University

2004, 2007, 2009 Psychology 171: Sex, Evolution, and Human Nature
2003-2010 Psychology 371: Laboratory in Animal Cognition
2003-2010 Psychology 775: Research Topics in Animal Cognition
2003 Psychology 417/617: Evolutionary Psychology

Teaching (continued)

Harvard University

- 2001 Psychology 985: Evolutionary Psychology: A Seminar
2000-2001 Psychology 970: Sophomore Tutorial in Psychology
1998-2000 Psychology 975: Sophomore Tutorial in Cognitive Neuroscience

Honors

- 2001 Certificate of Distinguished Teaching, Core Program, Harvard University
1999 George W. Goethals Award for Teaching Excellence, Harvard University

Grant Support

Current Support

- 2010 James S McDonnell Foundation Scholar Award. "To Err is Human?: Exploring the Evolutionary Origins of Cognitive Biases" Laurie R. Santos (PI). \$600,000.
- 2010 University of Pennsylvania "Positive Neuroscience Award: The Evolutionary Origins of Altruistic Rewards: A Comparative Behavioral Approach." Laurie R. Santos (PI), Daeyeol Lee (co-PI), and Joshua Knobe (co-PI). \$244,994
- 2010 National Science Foundation REU Site: "Comparative and Developmental Origins of Social Cognition" Laurie Santos (PI), Kristina Olson (co-PI). 7/1/2010-6/30/2013. \$296,380.
- 2010 The University of Chicago "A New Science of Virtue" Award: "The Origins of Justice: A Comparative/Developmental Approach" Laurie Santos (PI), Kristina Olson (co-PI), Joshua Knobe (co-PI) "\$99,998.
- 2009 National Institute of Health ARRA: "A Macaque Model of Social Behavior Heterogeneity in Autism Spectrum Disorders" Michael Platt (PI), Laurie Santos (co-PI), Adaris Mas Rivera (co-PI), Scott Huettel (co-PI). 9/30/09-9/29/11. \$1,983,410.
- 2005 National Science Foundation HSD: "*The Evolution of Primate Economic Preferences.*" Laurie R. Santos (PI), M. Keith Chen (co-PI), and Daeyeol Lee (co-PI). 11/1/06 - 10/30/10. \$749,621.

Internal Support

- 2004 Social Science Research Grant, Yale University: "*A Non-Human Primate's Understanding of Causality.*" Laurie Santos (PI). 8/1/04 - 7/31/05. \$5000.
- 2003 Moore Fund for Instructional Innovation, Yale University: "*Primate Field Work: A Research Methods Course.*" Laurie Santos (PI). 9/1/03 - 12/1/03. \$6000.

Professional Experience

Editorial Board: Behavioral & Brain Sciences, Cognition, PLOS One

AdHoc Reviewer: Animal Behaviour, Animal Cognition, Behavioral & Brain Sciences, Behavioral Ecology & Sociobiology, Behavioural Processes, Biology Letters, Bird Behavior, Child Development, Cognition, Cognitive Neuropsychology, Current Biology, Developmental Psychobiology, Developmental Psychology, Developmental Science, Experimental Brain Research, Frontiers in Integrative Neuroscience, Hormones and Behavior, Infancy, International Journal of Primatology, Journal of Comparative Psychology, Journal of Experimental Psychology: Animal Behavior Processes, Nature Neuroscience, Philosophical Psychology, PLOS One, PLOS Biology, Proceedings for the National Academy of Sciences, Psychonomic Bulletin & Review, Psychological Science, Science, Trends in Cognitive Science.

AdHoc Grant Reviewer: National Institute of Health (R03, P01, F31, F3 grants); National Science Foundation (Career Award, ROLE grants); Austrian Science Fund (FWF); Volkswagen Foundation; Leakey Foundation; Italian Ministry for Education University and Research (MIUR)

Yale University

2010-present Director of Undergraduate Studies, Department of Psychology
2008-present Secular Students at Yale, Faculty Advisor
2008-2009 Porter/Field Prize Committee, Member
2006-2009 Yale College Committee for Marshall, Mitchell, & Rhodes Scholarships, Member
2004-present Psi Chi National Honor Society, Faculty Advisor
2005-2006 *Sex Week at Yale*, Faculty Advisory Board
2004-present *Five Magazine*, Faculty Advisor
2004-2007 Animal Users Committee, Member
2003-2005 Minority Advisory Council, Council Member
2003-2005 Non-Human Primate Enrichment Committee, Member
2003-2005 Fulbright Evaluation Committee, Member

Outside of Yale University

2009 Young Investigator Award Committee, *Society for Neuroeconomics*
2008 Program Committee, *Society for Neuroeconomics*
2006-2009 Executive Committee Member, *Society for Neuroeconomics*
2006-2007 Program Co-Chair, *Society for Philosophy and Psychology*
2006-2009 Executive Committee Member, *Society for Philosophy and Psychology*
2000-2002 Resident Tutor, Mather House, Harvard University
2000-2002 Assistant Head Tutor, Department of Psychology, Harvard University
1997-2002 Concentration Advisor, Department of Psychology, Harvard University
1997-2001 Sophomore Tutor, Department of Psychology, Harvard University

Invited Lectures

2011 Invited Speaker, Comparative Human Development Dept, University of Chicago, Chicago, IL
2011 Invited Speaker, Yale Peabody Museum Public Lecture Series, New Haven, CT
2010 Invited Speaker, American Philosophical Organization, Annual Meeting, Boston, MA

Invited Lectures (continued)

- 2010 Invited Colloquium Speaker, Ohio State University, Columbus, OH
- 2010 Invited Speaker, Onstage Conversation, Wilma Theatre, Philadelphia, PA
- 2010 Invited Participant, FooCamp, Google, Mountain View, CA
- 2010 Invited Speaker, Morality and the Mind Workshop, Tufts University, Medford, MA
- 2010 TED Talk, Invited Speaker at TED Global, Oxford UK
- 2010 Colloquium Speaker, Psychology Department, UCSD, San Diego, CA
- 2010 Invited Speaker, Public Lecture Series, School for Advanced Research, Sante Fe, NM
- 2010 Invited Speaker, NeuroCon Workshop, Bocas del Toro, Panama
- 2010 Colloquium Speaker, Psychology Department, Vanderbilt University, Nashville, TN
- 2010 Colloquium Speaker, Psychology Department, Columbia University, New York, NY
- 2009 Masters Lecture Series on Comparative Cognition, New York University, New York, NY
- 2009 Invited Panelist, Discover Magazine/Templeton Foundation Panel Discussion, New Haven, CT
- 2009 Invited Speaker, Public Lecture, New York City Atheists Society, New York, NY
- 2009 Invited Speaker, Biology Department, University of Connecticut, Stamford, CT
- 2009 Colloquium Speaker, Psychological & Brain Sciences, John Hopkins University, Baltimore, MD
- 2009 Workshop Speaker, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- 2009 Neurobiology Colloquium, Harvard Medical School, Boston, MA
- 2009 Minary Workshop on Social Cognition, Dartmouth College, Hanover, NH
- 2009 Invited Speaker, Psychology Day, Eastern Connecticut State University, Willimantic, CT
- 2009 Invited Lecturer, Yale SCHOLAR Program, New Haven, CT
- 2009 Masters Lecture, Bulldog Days, Yale University, New Haven, CT
- 2009 Cognitive Science Colloquium, Indiana University, Bloomington, IN
- 2009 Departmental Colloquium, Dartmouth College, Hanover, NH
- 2009 Invited Speaker, University of Puerto Rico Lecture Series, Rio Piedras, PR
- 2009 Lecturer, Istituto di Scienze e Tecnologie della Cognizione, Rome, Italy
- 2009 Invited Speaker, "Primate Mind: Built to Connect with Other Minds" Workshop, Erice, Italy
- 2009 Invited Speaker, Animal Cognition Meeting, University of Trento, Rovereto, Italy
- 2009 Invited Speaker, International Darwin Day 2009 Celebration, Oslo, Norway
- 2009 Colloquium, Environmental Studies Program, Purchase College, SUNY, Purchase, NY
- 2009 Berkeley College, Yale University, Guest Lecture, New Haven, CT
- 2009 Cognitive Science Colloquium, University of Maryland, College Park, MD
- 2008 "Cool Jobs" Invited Speaker, World Science Festival, New York, NY
- 2008 "Science Street Festival" Invited Speaker, World Science Festival, New York, NY
- 2008 Philosophy-Neuroscience-Psychology Colloquium, Washington University, St. Louis, MO
- 2008 Cultural Connections at Yale University, Faculty Lecture, New Haven, CT
- 2008 Summer Workshop on Economics & Finance, Invited Speaker, Yale University, New Haven, CT
- 2008 Davenport College, Yale University, Guest Lecture, New Haven, CT
- 2008 Emotion Series, University College of London, London, England
- 2008 Functional Imaging Lab, University College of London, London, England
- 2008 Colloquium, Carnegie Mellon University, Pittsburgh, PA
- 2008 Tool Use and Causal Cognition, AHRC Project on Causal Understanding, Warwick, UK
- 2008 Stanton Prize Lecture, Society for Philosophy and Psychology, Philadelphia, PA
- 2008 World Festival of Science, Street Fair Participant, New York, NY
- 2008 Seminar, Yale Mind, Brain, Culture and. Consciousness Working Group, New Haven, CT
- 2008 Masters Lecture, Bulldog Days, Yale University, New Haven, CT
- 2008 Lecture, The Fourteenth Yale Workshop on Adaptive and Learning Systems, New Haven, CT
- 2008 Lecture, Mind Brain & Society Workshop, The Todai-Yale Initiative, New Haven, CT
- 2008 Invited Address, Museo de las Ciencias, Barcelona, Spain
- 2008 Theory of Mind Workshop, Museo de las Ciencias, Madrid, Spain

Invited Lectures (continued)

- 2008 Nath Lecture, Festival of Ideas, University of West Virginia, Morgantown, WV
2008 Center for Neuroeconomics, Duke University, Durham, NC
2008 Cognitive Science Colloquium, University of Arizona, Tucson, AZ
2007 Centre Biomedicale des Saints Peres, Universite Paris Descartes, Paris, France
2007 AHRB Conference on Culture and the Structure of the Mind, Sheffield, UK
2007 Origins of Causal Cognition Workshop, University of Leuven, Belgium
2007 Colloquium, Psychology Department, Cornell University, Ithaca, NY
2007 Cognitive Science Speaker Series, New York University, New York, NY
2007 Mirror Neurons & Cognition Series, California State University, Long Beach, CA
2006 Simons Foundation Animal Models of Autism Workshop, New York, NY
2006 Colloquium, Psychology Department, University of Connecticut, Storrs, CT
2006 Society for Philosophy & Psychology 32nd Annual Meeting, St. Louis, MO
2006 Behavioral Neuroscience Speaker Series, Yale University, New Haven CT
2006 Novartis Foundation Workshop on Social Learning, London, England
2006 Colloquium, Department of Psychology, Wellesley College, Wellesley, MA
2006 Colloquium, Department of Psychology, Cardiff University, Cardiff, Wales
2006 Colloquium, Department of Psychology, University of Bristol, Bristol, England
2006 Department of Cognitive Neuroscience, Duke University, Durham, NC
2006 Social Psychology Speaker Series, Yale University, New Haven, CT
2006 Duke/UNC Workshop on Emotion, Evolution, & Ethics, Chapel Hill, NC
2006 Neuroscience & Decision Making Series, Princeton University, Princeton, NJ
2005 Cognitive Brain and Behavior Series, Harvard University, Cambridge, MA
2005 Decision-Making Series, University of Chicago School of Business, Chicago, IL
2005 "What is Cognitive Science" Series, Rutgers University, New Brunswick, NJ
2005 Colloquium, Brain and Cognitive Sciences Department, MIT, Cambridge, MA
2005 Animal Learning Speaker Series, Franklin and Marshall College, Lancaster, PA
2005 Language, Representation & Development Series, CUNY, New York, NY
2004 Colloquium, Cognitive Science, University of Pennsylvania, Philadelphia, PA
2004 Cognitive Neuroscience Seminar, Columbia University, New York, NY
2004 Summer Institute in Cognitive Neuroscience, Dartmouth, NH
2004 AHRB Conference on Innateness and the Structure of the Mind, Sheffield, UK
2004 Primate Mind, Wesleyan University, Department of Philosophy, Middletown, CT
2003 Department of Experimental Psychology, University of Bristol, Bristol, UK
2003 Cognitive Science Speaker Series, New York University, New York, NY
2003 Behavioral Neuroscience Speaker Series, Yale University, New Haven CT
2002 International Workshop on Comparative Cognition, PRI, Inuyama, Japan
2001 Brooklyn College, CUNY, Department of Psychology, Brooklyn, NY
2000 Cognitive Science Speaker Series, Yale University, New Haven, CT
1998 Birkbeck College, Centre for Brain & Cognitive Development, London, UK

Peer-Reviewed Publications

- Benitez, M. E., Anestis, S. F., **Santos, L. R.** & Bribiescas, R. (in submission). Collection and analysis methods for measuring salivary cortisol in brown capuchin monkeys (*Cebus apella*). *International Journal of Primatology*.
- Dubac, C., Hughes, K. D., Cascio, J., & **Santos, L. R.** (under review). Food-sharing in a despotic primate: Co-feeding between consort partners in rhesus macaques. *Biology Letters*.

Peer-Reviewed Publications (continued)

- Kanngiesser, P., **Santos, L. R.**, Hood, B. M., & Call, J. (under review). The limits of endowment effects in great apes. *Journal of Comparative Psychology*.
- Barnes, J. L., Mahajan, N., Blanco, M. & **Santos, L. R.** (under revision). Domain-specific kind representations in the absence of language: Experiments with three lemur species. *Cognition*.
- Edwards, B. E., Shankar, M., Silva, L., Rodriguez, R., Betzler, R., Wibecan, L. & **Santos, L. R.** (under revision). Capuchin monkeys (*Cebus apella*) use conditional probabilities to infer causation. *Developmental Psychology*.
- Higham, J. P., Hughes, K. D., Brent, L. J. N., Dubuc, C., Engelhardt, A. Heistermann, M., Maestriperi, D., **Santos, L. R.**, & Stevens, M. (under revision). Social knowledge affects assessment of female facial signals of fertility by free-ranging male rhesus macaques. *Proceedings from the Royal Society B: Biological Sciences*.
- Lakshminarayanan, V., **Santos, L. R.**, & Chen, M. K. (under revision). The evolution of decision-making under risk: Framing effects in monkey risk preferences. *Journal of Experimental Social Psychology*.
- Lyons, D. & **Santos, L. R.** (under revision). Capuchin monkeys (*Cebus apella*) discriminate between intentional and unintentional human actions. *Developmental Psychology*.
- Newman, G., Phillips, W., & **Santos, L. R.** (under revision). Limes are not the same as lizards: Rhesus macaques (*Macaca mulatta*) make domain-specific predictions about object inertia. *Cognition*.
- Martcorena, D., Ruiz, A. M., Mukerji, C., Goddu, A., & **Santos, L. R.** (under revision). Monkeys represent others' knowledge but not their beliefs. *Developmental Science*.
- Mahajan, N., Martinez, M., Disendruck, G., Banaji, M., & **Santos, L. R.** (in press). The evolution of ingroup bias: Experiments on intergroup biases in rhesus macaques (*Macaca mulatta*). *Journal of Personality and Social Psychology*.
- Egan, L., Bloom, P. & **Santos, L. R.** (2010). Choice-induced preferences in the absence of choice: Evidence from a blind two choice paradigm with young children and capuchin monkeys. *Journal of Experimental Social Psychology*, 46. 204-207.
- Phillips, W., Shankar, M., & Santos, L. R. (2010). Essentialism in the absence of language? Evidence from rhesus monkeys (*Macaca mulatta*). *Developmental Science*, 13, F1-F7
- Lakshminarayanan, V. & **Santos, L. R.** (2009). Cognitive preconditions for responses to fairness: An object retrieval task in capuchin monkeys (*Cebus apella*). *Journal of Psychology, Neuroscience, and Economics*, 2. 12-20.
- McCrink, K., Bloom, P. & **Santos, L. R.** (2010). Children's and adults' judgments of equitable resource distributions. *Developmental Science*, 13, 37-45.
- Mahajan, N., Barnes, J. L., Blanco, M., & **Santos, L. R.** (2009). Enumeration of objects and substances in non-human primates: Experiments with brown lemurs (*Eulemur fulvus*). *Developmental Science*, 12, 920-928.

Peer-Reviewed Publications (continued)

- Phillips, W., Barnes, J. L., Mahajan, N., Yamaguchi, M. & **Santos, L. R.** (2009). 'Unwilling' versus 'unable': Capuchins' (*Cebus apella*) understanding of human intentional action? *Developmental Science*, 12, 938-945
- Shutts, K., Condry, K. F., **Santos, L. R.**, & Spelke, E. S. (2009). Core knowledge and its limits: The domain of food. *Cognition*, 112, 120-140,
- Barnes, J. L., Martinez, M., Langer, M., Hill, T., & **Santos, L. R.** (2008). Helping behaviour and regard for others in capuchin monkeys (*Cebus apella*): An evolutionary perspective on altruism. *Biology Letters*, 4(6). 638-40.
- Lakshminarayanan, V. & **Santos, L. R.** (2008). Capuchin monkeys are sensitive to others' welfare. *Current Biology*, 18. R999-R1000.
- Lakshminarayanan, V., Chen, M. K., & **Santos, L. R.** (2008). Endowment effect in capuchin monkeys (*Cebus apella*). *Philosophical Transactions of the Royal Society B: Biological Sciences*, 363. 3837-3844.
- Egan, L., **Santos, L. R.**, & Bloom, P. (2007). The origins of cognitive dissonance: Evidence from children and monkeys (*Cebus apella*). *Psychological Science*, 18. 978-983.
- Phillips, W. & **Santos, L. R.** (2007). Evidence for kind representations in the absence of language: Experiments with rhesus macaques (*Macaca mulatta*). *Cognition*, 102. 455-463.
- van Marle, K., Aw, J., McCrink, K., & **Santos, L. R.** (2006). How monkeys (*Cebus apella*) quantify objects and substances. *Journal of Comparative Psychology*, 120(4). 416-426.
- Chen, M. K., Lakshminarayanan, V. & **Santos, L. R.** (2006). The evolution of our preferences: Evidence from capuchin monkey trading behavior. *Journal of Political Economy*, 114(3). 517-537.
- Cheries, E. W., Newman, G. E., **Santos, L. R.**, & Scholl, B. J. (2006). Units of visual individuation in rhesus macaques: Objects or unbound features? *Perception*, 35(8), 1057-1071.
- **Santos, L. R.**, Nissen, A. G. & Ferrugia, J. (2006). Rhesus monkeys (*Macaca mulatta*) know what others can and cannot hear *Animal Behaviour*, 71(5). 1175-1181.
- **Santos, L. R.**, Pearson, H. M., Spaepen, G. M., Tsao, F., and Hauser, M. D. (2006). Probing the limits of tool competence: Experiments with two non-tool-using species (*Cercopithecus aethiops* and *Saguinus oedipus*). *Animal Cognition*, 9(2). 94-109.
- **Santos, L. R.**, Seelig, D., & Hauser, M. D. (2006). Cotton-top tamarins' (*Saguinus oedipus*) expectations about occluded objects: A dissociation between looking and reaching tasks. *Infancy*, 9(2). 147-171.
- Flombaum, J. I., and **Santos, L. R.** (2005). Rhesus monkeys attribute perceptions to others. *Current Biology*, 15. 447-452.
- **Santos, L. R.**, Barnes, J., & Mahajan, N. (2005). Expectations about numerical events in four lemur species (*Eulemur fulvus*, *Eulemur mongoz*, *Lemur catta* and *Varecia rubra*). *Animal Cognition*, 8. 253-262.

Peer-Reviewed Publications (continued)

- **Santos, L. R.**, Mahajan, N., & Barnes, J. (2005). How prosimian primates represent tools: Experiments with two lemur species (*Eulemur fulvus* and *Lemur catta*). *Journal of Comparative Psychology*, *119*, 394-403
- **Santos, L. R.**, Rosati, A., Sproul, C., Spaulding, B., & Hauser, M. D. (2005). Means-means-end tool choice in cotton-top tamarins (*Saguinus oedipus*): finding the limits on primates' knowledge of tools. *Animal Cognition*, *8*. 236-246.
- Flombaum, J. I., Kundery, S. M., **Santos, L. R.**, and Scholl, B. J. (2004). Dynamic object individuation in rhesus macaques: A study of the tunnel effect. *Psychological Science*, *15*. 795-800.
- **Santos, L. R.** (2004). 'Core knowledges': A dissociation between spatiotemporal knowledge and contact-mechanics in a non-human primate? *Developmental Science*, *7*. 167-174.
- **Santos, L. R.**, Miller, C. T., & Hauser, M.D. (2003). Representing tools: how two non-human primate species distinguish between the functionally relevant and irrelevant features of a tool. *Animal Cognition*, *6*. 269-281.
- Hauser, M. D., **Santos, L. R.**, Spaepen, G. M., & Pearson, H. E. (2002). Problem solving, inhibition, and domain-specific experience: Experiments on cotton-top tamarins (*Saguinus oedipus*). *Animal Behaviour*, *64*. 387-396.
- **Santos, L. R.** & Hauser, M. D. (2002). A non-human primate's understanding of solidity: Dissociations between seeing and acting. *Developmental Science*, *5*. F1-F7.
- **Santos, L. R.**, Sulkowski, G. M., Spaepen, G. M., & Hauser, M. D. (2002). Object individuation using property/kind information in rhesus macaques (*Macaca mulatta*). *Cognition*, *83*. 241-264.
- **Santos, L. R.**, Hauser, M. D., & Spelke, E. S. (2001). Recognition and categorization of biologically significant objects by rhesus monkeys (*Macaca mulatta*): The domain of food. *Cognition*, *82*. 127-155.
- deIpolyi, A., **Santos, L. R.**, & Hauser, M. D. (2001). The role of landmarks in cotton-top tamarin spatial foraging: Evidence for geometric and non-geometric features. *Animal Cognition*, *4*. 99-108.
- Munakata, Y., **Santos, L. R.**, Spelke, E. S., Hauser, M. D & O'Reilly, R. C. (2001). Visual representation in the wild: How rhesus monkeys parse objects. *Journal of Cognitive Neuroscience*, *13*. 44-58.
- Hood, B. M., **Santos, L.**, & Fieselman, S. (2000). Two year olds naive predictions for horizontal trajectories. *Developmental Science*, *3*. 328-332.
- Hood, B. M., Hauser, M. D., Anderson, L., & **Santos, L. R.** (1999). Gravity biases in a non-human primate. *Developmental Science*, *2*. 35-41.
- **Santos, L. R.**, Ericson, B., & Hauser, M. D. (1999). Constraints on problem solving and inhibition: object retrieval in cotton-top tamarins. *Journal of Comparative Psychology*, *113*. 186-193.

Peer-Reviewed Publications (continued)

- **Santos, L. R.** & Hauser, M. D. (1999). How monkeys see the eyes: Cotton-top tamarins' reaction to changes in visual attention and action. *Animal Cognition*, 2. 131-139.

Book Chapters, Commentaries, & Literature Reviews

- Lakshminarayanan, V. R. & **Santos, L. R.** (in preparation). How primates reason about choice. To appear in T. Sharot and R. Dolan (Eds.) *The Neuroscience of Preference and Choice*.
- Ruiz, A. M. & **Santos, L. R.** (in preparation). How primates represent tools: From physics to intentions. To appear in C. Boesch, J. Call & C. Sanz. (Eds.) *Multidisciplinary Perspectives on the Cognition and Ecology of Tool Using Behaviors*.
- **Santos, L. R.** & Hughes, K. (in preparation). The evolution of economic biases: Insights from primates. To appear in *Trends in Cognitive Sciences*.
- **Santos, L. R.** & Mahajan, N. (in preparation). Social cognition in the Cayo Santiago macaques. To appear in R. Tuttle (Ed.) *The Rhesus Macaques of Cayo Santiago and Beyond: Bones, Genetics, and Behavior*. Springer Life Science Series: *Developments in Primatology: Progresses and Prospects*. New York: Springer.
- Sheskin, M. & **Santos, L. R.** (in preparation). The evolutionary origins of morality. To appear in J. Vonk & T. Shackelford (Ed.) *The Oxford Handbook of Comparative Evolutionary Psychology*. Oxford: Oxford University Press.
- Call, J. & **Santos, L. R.** (in press). Understanding other minds. To appear in J. Mitani, P. Kappeler, R. Palombit, J. Call, & J. Silk (Eds.) *The Evolution of Primate Societies*.
- Edwards, B., Rottman, B., & **Santos, L. R.** (in press). Causal reasoning in children and animals. To appear in T. McCormack, C. Hoerl, and S. Butterfill (Eds.) *Tool Use and Causal Cognition*. Oxford: Oxford University Press.
- Ruiz, A. M. & **Santos, L. R.** (in press). What does the primate mind know about other minds?: A review of primates' understanding of visual attention. To appear in P. F. Ferrari & F. B. M. de Waal, (Eds.) *The Primate Mind*. Cambridge: Harvard University Press.
- **Santos, L. R.** (in press). To err is primate: How learning more about the evolution of our errors can make us better decision-makers. In M. Brockman (Ed.) *What's Next 2: Dispatches From The Future of Science*. New York: Vintage Books.
- Flombaum, J. I., Scholl, B. J. & **Santos, L. R.** (2009). Spatiotemporal priority: the engine that drives object persistence. In B. M. Hood & L. R. Santos (Ed.) *The Origins of Object Knowledge: The Yale Symposium on the Origins of Object & Number Representation*. Oxford: Oxford University Press. 135-164.
- Lakshminarayanan, V. & **Santos, L. R.** (2009). Trade, equity and the origins of economic systems. In P. Kappeler, & J. Silk (Eds.) *Mind the Gap: Tracing the Origins of Human Universals*. In press.

Book Chapters, Commentaries, & Literature Reviews (continued)

- Rosati, A., Hare, B. A. & **Santos, L. R.** (2009). Primate social cognition: Thirty years after Premack and Woodruff. To appear in M. Platt & A. A. Ghazanfar (Eds.) *Primate Neuroethology*. Cambridge: MIT Press. In press.
- **Santos, L. R.** & Chen, M. K. (2009). The evolution of rational and irrational economic behavior: Evidence and insight from a non-human primate species. In P. Glimcher, C. F. Camerer, E. Fehr, & R. A. Poldrack (Eds.) *Neuroeconomics: Decision-Making and the Brain*. London: Elsevier. 81-94.
- **Santos, L. R.** & Hood, B. M. (2009). Object representation as a central issue in cognitive science. In B. M. Hood & L. R. Santos (Ed.) *The Origins of Object Knowledge: The Yale Symposium on the Origins of Object & Number Representation*. Oxford: Oxford University Press. 1-24.
- **Santos, L. R.** & Hughes, K. (2009). Economic cognition in human and animals: The search for core mechanisms. *Current Opinion in Neurobiology: Special Issue: Cognitive Neuroscience*, 19, 63-66.
- **Santos, L. R.** (2008). The evolution of irrationality: Insights from non-human primates. T. Gendler and J. Hawthorne (Eds.) *Oxford Studies in Epistemology, Volume 2*. Oxford: Oxford University Press. 87-107.
- **Santos, L. R.** & Lakshminarayanan (2008). Innate constraints on judgment and decision-making?: Insights from children and non-human primates. In P. Carruthers, S. Laurence, & S. Stich (Ed.) *The Innate Mind: Foundations and The Future*. Oxford: Oxford University Press. 293-310.
- Hauser, M. D. & **Santos, L. R.** (2007). The evolutionary ancestry of our knowledge of tools: From percepts to concepts. In E. Margolis & S. Laurence (Eds.) *Creations of the Mind: Theories of Artifacts and Their Representation*. Oxford: Oxford University Press. 267-288.
- Chen, M. K. & **Santos, L. R.** (2006). Some thoughts on the adaptive function of inequity aversion: An alternative to Brosnan's social hypothesis. *Social Justice Research*, 19(2). 201-207.
- Lyons, D. E. & **Santos, L. R.** (2006). Ecology, domain specificity, and the evolution of theory of mind: Is competition the catalyst? *Philosophy Compass*. In press (published online Aug 2006).
- Lyons, D. E., **Santos, L. R.**, & Keil, F. C. (2006). Reflections of other minds: How primate social cognition can inform the function of mirror neurons. *Current Opinion in Neurobiology*, 16(2). 203-234.
- **Santos, L. R.**, Flombaum, J. I. & Phillips, W. (2006). The evolution of human mind reading. In S. Platek, J. P. Keenan, & T. K. Shackelford (Eds.) *Evolutionary Cognitive Neuroscience*. Cambridge: MIT Press. 433-456.
- Weiss, D. J. & **Santos, L. R.** (2006). Why primates? The importance of nonhuman primates for understanding human infancy. *Infancy*, 9(2), 133-146.
- Lyons, D. E., Phillips, W. & **Santos, L. R.** (2005). Motivation is not enough: A commentary on Tomasello et al.'s "Understanding and sharing intentions: The origins of cultural cognition. *Behavioural and Brain Sciences*, 28(5). 708.
- **Santos, L. R.** (2005). Theory of mind. In N. J. Salkind (Ed.) *The Encyclopedia of Human Development*.

Book Chapters, Commentaries, & Literature Reviews (continued)

- **Santos, L. R.** (2005). Primate cognition: Putting two and two together. Commentary on Jordan et al. *Current Biology*, 15, R545-R547.
- **Santos, L. R.** (2005). Tool-Use. In M. Bekoff (Ed.) *The Encyclopedia of Animal Behavior, Volume 3*. Westport, CT: Greenwood Publishing Group. 1065-1067.
- **Santos, L. R.** (2005). Theory of mind. In M. Bekoff (Ed.) *The Encyclopedia of Animal Behavior, Volume 1*. Westport, CT: Greenwood Publishing Group. 327-328.
- Ghazanfar, A. A. & **Santos, L. R.** (2004). Primate brains in the wild: The sensory bases for social interactions. *Nature Reviews Neuroscience*, 5, 603-616.
- Ghazanfar, A. A. & **Santos, L. R.** (2002). Primates as auditory specialists. In A. Ghazanfar (Ed.) *Primate Audition: Ethology and Neurobiology*. Boca Raton: CRC Press. 1-12.
- Flombaum, J. I., **Santos, L. R.**, & Hauser, M. D. (2002). Neuroecology and psychological modularity. *Trends in Cognitive Science*, 6, 106-108.
- **Santos, L. R.** & Caramazza, A. (2002). The domain-specific hypothesis: A developmental and comparative perspective on category-specific deficits. In G. Humphreys & E. Forde (Eds.) *Category-Specificity in Brain and Mind*. New York: Psychology Press. 1-23.
- **Santos, L. R.**, Hauser, M. D., & Spelke, E. S. (2002). The representation of different domains of knowledge in human and non-human primates: Artifactual and food kinds. In M. Bekoff, C. Allen, & G. Burghardt (Eds.) *The Cognitive Animal*. Cambridge: MIT Press. 205-215.

Edited Journals

- Weiss, D. J. & **Santos, L. R.** (2006). Non-human primates. *Infancy: Thematic Collection*.

Edited Book Volumes

- Hood, B. M. & **Santos, L. R.** (2009). *The Origins of Object Knowledge*. Oxford: Oxford University Press.

Book Reviews

- **Santos, L. R.** (2004). May the best mind win!: Review of "Comparative Vertebrate Cognition: Are Primates Superior to Non-Primates?" *Journal of Mammalian Evolution*, 11, 297-299
- **Santos, L. R.** (2002). Queen of the jungle?: Review of "Beauty and the Beast: Woman, Ape, and Evolution." *Animal Behaviour*, 63, 828-829.
- **Santos, L. R.** (2001). A bird's eye view of cognition: Review of "The Alex Studies: Cognitive and Communicative Abilities of Grey Parrots." *Trends in Cognitive Science*, 5, 89.

Popular Science Writing

- **Santos, L. R.** (2001). Bridging the digital divide. *BBC Online: DotLife Series*. 19 March. (http://news.bbc.co.uk/2/hi/in_depth/sci_tech/2000/dot_life/1211676.stm)

Papers Presented

- Dubuc, C., Hughes K. D., Cascio, J., & **Santos, L. R.** (2010). Tolerated co-feeding between consortship partners in the free-ranging population of rhesus macaques (*Macaca mulatta*) of Cayo Santiago, Puerto Rico. Poster presented at the 47th Annual Meeting of the American Primatological Society, Louisville, KY
- Hamlin, J. K., Cersonsky, J. & **Santos, L. R.** (2010). The evolution of social evaluations: Rhesus macaques distinguish prosocial from antisocial others. Poster presented at the 2010 Biennial Meeting of the International Society on Infant Studies, Baltimore, MD.
- Hughes, K. D. & **Santos, L. R.** (2010). Spatial rotation abilities in rhesus macaques: A rotational displacement task. Poster to be presented at the XXII Congress of the International Primatological Society, Kyoto, Japan.
- Mahajan, N., Gutierrez, N. L., Diesendruck, G., & **Santos, L. R.** (2010). The evolution of intergroup cognition: The consequences of group biases in a non-human species. Poster presented at the 2010 Biennial Meeting of the International Society on Infant Studies, Baltimore, MD.
- Mahajan, N., Martinez, M. A., Diesendruck, G., Banaji, M., & **Santos, L. R.** (2010). Social grouping and intergroup biases in rhesus macaques. Talk to be presented at the XXII Congress of the International Primatological Society Biennial Meeting, Kyoto, Japan.
- Mahajan, N., Wynn, K., & **Santos, L. R.** (2010). Origins of intergroup bias: Studies with rhesus macaques and prelinguistic human infants. Talk to be presented at the European Association for Social Psychology Small-Group Meeting: "Developmental perspectives on intergroup prejudice," Lisbon, Portugal.
- Phillips, W. & **Santos, L. R.** (2010). Exploring the origins of implicit attitudes: A non-verbal IAT task for capuchin monkeys (*Cebus apella*). Poster presented at the 2010 Biennial Meeting of the International Society on Infant Studies, Baltimore, MD.
- Ruiz, A. M., Marticorena, D., Mukerji, C., Goddu, A., & **Santos, L. R.** (2010). Do rhesus macaques reason about false beliefs? Poster to be presented at the XXII Congress of the International Primatological Society, Kyoto, Japan.
- Sheskin, M., **Santos, L. R.**, & Ashayeri, K. (2010). Responses to advantageous and disadvantageous inequity by capuchin monkeys. Poster presented at the 2010 Biennial Meeting of the International Society on Infant Studies, Baltimore, MD.
- Kanngiesser, P., **Santos, L. R.**, Hood, B. M., & Call, J. (2009). Endowment effect in apes. Poster submitted to the International Ethological Meeting, Rennes, France.

Papers Presented (continued)

- Lakshminarayanan, V., Phillips, W., & **Santos, L. R.** (2009). Retrospective evaluations in capuchin monkeys: The evolution of peak-end sensitivity. Poster presented at the annual meeting for the Society for Neuroeconomics, Evanston, IL.
- Mahajan, N., & **Santos, L. R.** (2009). Rhesus monkeys distinguish between ingroup and outgroup members. Poster presented at the 15th Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Martinez, M., Mahajan, N., & **Santos, L. R.** (2009). The origins of outgroup bias: Evidence from rhesus monkeys. Poster presented at the 15th Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Mochizuki, T., Anestis, S.F., Bribiescas, R. G. & **Santos, L. R.** (2009). Salivary testosterone and dominance in captive brown tufted capuchins (*Cebus apella*). Poster presented at the Annual Meeting of the American Association of Physical Anthropologists, Chicago, IL.
- **Santos, L. R.**, Barnes, J. L., & Lakshminarayanan, V. (2009). Are capuchin monkeys sensitive to others' welfare? Symposium talk presented at the 15th Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- **Santos, L. R.**, Egan, L. C., and Bloom, P. (2009). How unknown decisions affect preferences: Evidence from human children and capuchin monkeys. Symposium talk presented at the 16th annual Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Egan, L., Bloom, P., & **Santos, L. R.** (2009) Dissonance needs no preferences: Evidence from young children and capuchin monkeys. Poster presented at the 10th Annual Meeting of the Society for Personality and Social Psychology, Tampa, FL.
- Egan, L., Bloom, P., & **Santos, L. R.** (2009) The political cost of primaries: Effects of primary voting on intention to vote in the general election. Poster presented at the Judgment and Decision-Making Preconference of the Society for Personality and Social Psychology, Tampa, FL
- Barnes, J. L. & **Santos, L. R.** (2008). Spontaneous helping behavior in capuchin monkeys (*Cebus apella*)? Poster presented at the International Primate Society Meeting, Edinburgh, Scotland.
- Benitez, M. E., Anestis, S. E., **Santos, L. R.**, & Bribiescas, R. G. (2008). Non-invasive saliva collection techniques in captive brown capuchin monkeys (*Cebus apella*). Poster presented at the International Primate Society Meeting, Edinburgh, Scotland.
- Benitez, M. E., Anestis, S. E., **Santos, L. R.**, & Bribiescas, R. G. (2008). Methods for collecting salivary cortisol from unrestrained, adult, captive brown capuchin monkeys (*Cebus apella*). Poster presented at the Meeting of the American Association of Physical Anthropology, Columbus, OH.
- Edwards, B. J., Bonawitz, E. B., & **Santos, L. R.** (2008). The evolution of causal understanding? Causal understanding influences rhesus monkeys' (*Macaca mulatta*) exploratory play. Poster presented at the annual meeting of the Society for Philosophy and Psychology, Philadelphia, PA.
- Lakshminarayanan, V. & **Santos, L. R.** (2008). Framing effects and the endowment effect in capuchins. Symposium talk presented at the International Primate Society Meeting, Edinburgh, Scotland.

Papers Presented (continued)

- Lakshminarayanan, V. & **Santos, L. R.** (2008). The origins of other-regarding preferences: Capuchins (*Cebus apella*) are sensitive to others' welfare. Symposium talk presented at the annual meeting for the Society for Neuroeconomics, Park City, Utah.
- Mahajan, N., Barnes, J. L. & **Santos, L. R.** (2008). How lemurs count objects and substances. Symposium talk presented at the International Primate Society Meeting, Edinburgh, Scotland.
- House, B. & **Santos, L. R.** (2007). Judgment biases in a non-human primate: Rhesus monkey display anchoring errors. Poster presented at the Society for Neuroeconomics Meeting, Hull, MA
- Egan, L., **Santos, L. R.** & Bloom, P. (2007). The origins of cognitive dissonance: Young children and monkeys derogate unchosen alternatives. Poster presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Hamlin, J. K., Bloom, P., Wynn, K. & **Santos, L. R.** (2007). Rhesus monkeys attribute value to the actions of others. Poster presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Lakshminarayanan, V. & **Santos, L. R.** (2007). Decision-making biases in capuchin monkeys. Symposium presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Lyons, D., Lin, J. & **Santos, L. R.** (2007). Capuchin monkeys (*Cebus apella*) use an experimenter's unfulfilled intention to locate hidden food. Poster presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Mahajan, N., Barnes, J. L., & **Santos, L. R.** (2007). Understanding of the self-propelled motion of animate and inanimate objects in infant rhesus macaques (*Macaca mulatta*). Poster presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- **Santos, L. R.** (2007). Social psychology in the wild?: How work with non-human primates can inform human social psychology. Symposium to be presented at the 8th Annual Meeting of the Society for Personality and Social Psychology, Memphis, TN.
- **Santos, L. R.**, Marticorena, D. & Goddu, A. (2007). Do monkeys reason about the false beliefs of others? Symposium to be presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- **Santos, L. R.**, Shankar, M. & Phillips, W. (2007). Essentialism in the absence of language?: How rhesus monkeys reason about kinds. Symposium to be presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Barnes, J. L., Edwards, L., Hallett, L. & **Santos, L. R.** (2006). How lemurs reason about tools. Poster presented at the 21st Congress of the International Primatological Society, Entebbe, Uganda.
- Egan, L., **Santos, L. R.**, & Bloom, P. (2006). Preschoolers and capuchin monkeys derogate unchosen alternatives. Poster presented at the Judgment and Decision Making Preconference at the 7th Annual Meeting of the Society for Personality and Social Psychology, Palm Springs, CA.

Papers Presented (continued)

- Mahajan, N., Barnes, J. L., Edwards, L. A., & **Santos, L. R.** (2006). Prosimian primates' reasoning about the perceptions of others. Poster presented at the 21st Congress of the International Primatological Society, Entebbe, Uganda.
- Mahajan, N., Barnes, J. L., Edwards, L. A., & **Santos, L. R.** (2006). Lemurs' (*Lemur catta*) understanding of the visual attention of others. Poster presented at 13th Annual International Conference On Comparative Cognition, Melbourne, FL.
- **Santos, L. R.** (2006). Capuchins (*Cebus apella*) discriminate between intentional and unintentional actions. Talk presented at the 21st Congress of the International Primatological Society, Entebbe, Uganda.
- **Santos, L. R.** (2006). How rhesus monkeys reason about what others can and cannot hear. Talk presented at the 21st Congress of the International Primatological Society, Entebbe, Uganda.
- Flombaum, J. I., **Santos, L. R.**, & Scholl, B. J. (2005). Persisting object representations in adult monkeys (*Macaca mulatta*) and humans. Invited talk presented at the ESRC Council Symposium on Comparative Issues in Object Representation, New Haven, CT.
- Kundery, S. M. A. & **Santos, L. R.** (2005). Can capuchin monkeys (*Cebus apella*) use non-arbitrary relationships to make inferences about the world? Talk presented at 12th Annual International Conference On Comparative Cognition, Melbourne, FL.
- Kundery, S. M. A. & **Santos, L. R.** (2005). Episodic-like memory in capuchins (*Cebus apella*). Poster presented at 12th Annual International Conference On Comparative Cognition, Melbourne, FL.
- Mahajan, N., Barnes, J. L., Edwards, L. A., & **Santos, L. R.** (2005). Lemurs (*Lemur catta*) know what others can and cannot see. Poster presented at the 2005 Cognitive Development Society Meeting, San Diego, CA.
- Phillips, W. & **Santos, L. R.** (2005). Do monkeys know what we can see? Symposium presented at the 2005 Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Phillips, W., Shankar, M. & **Santos, L. R.** (2005). Evolution of kind representations. Poster presented at the 2005 Meeting of the Vision Science Society, Sarasota, FL.
- **Santos, L. R.**, Flombaum, J. I. and Lyons, D. (2005). The evolution of self-awareness and theory of mind. Symposium presented at the 2005 Human Behavior and Evolution Society Meeting, Austin, TX.
- **Santos, L. R.** & Kundery, S. M. (2005). What non-human primates know about solidity: Looking and searching tests. Poster presented at 2005 Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- **Santos, L. R.** & Lyons, D. (2005). Ontogenetic and phylogenetic perspectives on tool-use: How infants, monkeys, and children use tools. Symposium presented at the 2005 Cognitive Development Society Meeting, San Diego, CA.
- **Santos, L. R.**, Mahajan, N. & Barnes, J. (2005). Numerical representations in five lemur species. Poster presented at the 2005 Meeting of the Vision Science Society, Sarasota, FL.

Papers Presented (continued)

- Cheries, E., **Santos, L. R.**, & Scholl, B. J. (2004). Units of visual identification in rhesus macaques (*Macaca mulatta*): Objects or unbound visual features? Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
- Flombaum, J. I. & **Santos, L. R.** (2004). What rhesus monkeys (*Macaca mulatta*) know about what others can and cannot see. Symposium presented at the 14th Biennial Meeting of the International Society on Infant Studies, Chicago, Illinois.
- Kunder, S. M. A. & **Santos, L. R.** (2004). What happened where, when? Examining episodic like memory in capuchins (*Cebus apella*). Talk presented at 11th Annual International Conference On Comparative Cognition, Melbourne, FL.
- **Santos, L. R.** & Hauser, M. D. (2003). The cotton-top tamarin's understanding of tools. Symposium presented at the XXVIII International Ethological Conference, Florianopolis, Brazil.
- **Santos, L. R.**, Flombaum, J. I., & Hauser, M. D. (2002). What does a non-human primate understand about self-propelled motion?: Expectancy violation experiments with rhesus macaques. Poster presented at the 13th Biennial Meeting of the International Society on Infant Studies, Toronto, Canada.
- **Santos, L. R.** & Hauser, M. D. (2002). Dissociations between looking and acting in a non-human primate. Symposium presented at the 13th Biennial Meeting of the International Society on Infant Studies, Toronto, Canada.
- **Santos, L. R.** & Hauser, M. D. (2000). A non-human primate's understanding of the functional properties of artifacts. Symposium presented at the 12th Biennial Meeting of the International Society on Infant Studies, Brighton, England.
- **Santos, L. R.**, Miller, C. T., & Hauser, M. D. (1999). The non-human primate representation of tools: How cotton-top tamarins and rhesus macaques distinguish between functionally-relevant & irrelevant properties of artifacts. Poster presented at the Evolution of Mind Conference, Association for the Study of Animal Behaviour. London, England.
- **Santos, L. R.**, Miller, C. T., & Hauser, M. D. (1999). Knowledge of functionally-relevant features for different objects kinds. Poster presented at the Biennial Meeting for the Society for Research in Child Development. Albuquerque, NM.
- Anderson, L. A., **Santos, L. R.**, Hood, B. M., & Hauser, M. D. (1996). Representing invisible displacements: comparative experiments of human & non-human primates. Poster presented at the 10th Biennial Meeting of the International Society on Infant Studies, Providence, RI.