

Laurie R. Santos

Yale University
Department of Psychology
Box 208205
New Haven, CT 06520
Email: laurie.santos@yale.edu
Lab Website: <http://www.yale.edu/monkeylab>

(203) 432-4524 (office)
(203) 785-3934 (lab)
(203) 432-7172 (fax)
(617) 803-6091 (mobile)

Academic Positions

2005-2006 Visiting Scholar, Harvard University, Department of Psychology
2003-present 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 B. A. Harvard and Radcliffe College
 (Psychology and Biology magna cum laude with highest distinction,
 Certificate in Mind, Brain, & Behavior)

Academic Awards

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
1994-1997 Elizabeth Cary Agassiz Award

Teaching

Yale University

2004, 2007 Psychology 171: Sex, Evolution, and Human Nature
2003-2005 Psychology 371: Laboratory in Animal Cognition
2003-2005 Psychology 775: Research Topics in Animal Cognition
2003 Psychology 417: Evolutionary Psychology

Teaching (continued)

Harvard University

2002	Science B-29: The Evolution of Human Nature (TF)
2001	Psychology 985: Evolutionary Psychology: A Seminar
2000-2001	Psychology 970: Sophomore Tutorial in Psychology
1998-2000	Psychology 975: Sophomore Tutorial in Cognitive Neuroscience
1998-2000	Psychology 1152: Animal Cognition: Laboratory (TF)

Honors

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

Grant Support

Current Support

2005	National Science Foundation HSD: "The Evolution of Primate Economic Preferences" (To be awarded October 2006). Laurie R. Santos (PI), M. Keith Chen (co-PI), and Daeyeol Lee (co-PI). 11/1/06 - 10/30/09. \$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.

Graduate Fellowships

2000	Knox Travel Fund
2000-2001	Ditmars Summer Research Stipend
1999	Harvard Graduate Society Summer Research Stipend
1999	McMaster's Fund Winter Research Stipend
1998	McMaster's Fund Spring Research Stipend
1998-1999	German/American Academic Council Fellowship
1997-2000	NSF Minority Predoctoral Fellowship

Professional Experience

AdHoc Reviewer: Animal Behaviour, Animal Cognition, Behavioral & Brain Sciences, Behavioral Ecology & Sociobiology, Behavioural Processes, Bird Behavior, Child Development, Cognition, Cognitive Neuropsychology, Current Biology, Developmental Psychobiology, Developmental Psychology, Experimental Brain Research, Infancy, Journal of Comparative Psychology, Journal of Experimental Psychology: Animal Behavior Processes, Nature Neuroscience, Philosophical Psychology, Proceedings for the National Academy of Sciences, Trends in Cognitive Science.

AdHoc Grant Reviewer: National Institute of Health (R03, P01, F31, F3 grants); National Science Foundation (ROLE grants); Austrian Science Fund (FWF).

Yale University

2006-2007 Yale College Committee for Marshall, Mitchell, & Rhodes Scholarships, Member
2005-2006 *Sex Week at Yale*, Faculty Advisory Board
2004-2006 *Five Magazine*, Faculty Advisor
2004-2006 Psi Chi National Honor Society, Faculty Advisor
2004-2006 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

2006-2009 Executive Committee Member, *Society for Neuroeconomics*
2006-2007 Program Co-Chair, *Society for Philosophy and Psychology*
2006-2007 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

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 Behavioral Neuroscience Speaker Series, Yale University, New Haven CT
2006 Colloquium, Psychology Department, University of Connecticut, Storrs, CT
2006 Society for Philosophy & Psychology 32nd Annual Meeting, St. Louis, MO
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

Invited Lectures (continued)

- 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

- Flombaum, J. I. & Santos, L. R. (in submission). Rhesus monkeys' (*Macaca mulatta*) understanding of others' knowledge. *Animal Behaviour*.
- Lyons, D. & Santos, L. R. (under revision). Capuchin monkeys (*Cebus apella*) discriminate between intentional and unintentional human actions. *Developmental Psychology*.
- Phillips, W., Barnes, J. L., Mahajan, N., Yamaguchi, M. & Santos, L. R. (under revision). 'Unwilling' versus 'unable': Capuchins' (*Cebus apella*) Understanding of human intentional action? *Developmental Science*.
- Santos, L. R., Barnes, J. L., Mahajan, N., & Blanco, M. (under revision). Enumeration of objects and substances in non-human primates: Experiments with brown lemurs (*Eulemur fulvus*). *Developmental Science*.
- 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*.
- Sarma, A., Marticorena, D., Flombaum, J. I., & Santos, L. R. (under revision). Rhesus monkeys (*Macaca mulatta*) conceal their approach from others. *Cognitive Science*.
- Phillips, W. & Santos, L. R. (in press). Evidence for kind representations in the absence of language: Experiments with rhesus monkeys (*Macaca mulatta*). *Cognition*.
- van Marle, K., Aw, J., McCrink, K., & Santos, L. R. (in press). How monkeys (*Cebus apella*) enumerate objects and substances. *Journal of Comparative Psychology*.
- Chen, M. K., Lakshminaryanan, 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.

Peer-Reviewed Publications (continued)

- 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.
- 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. 247-257

Peer-Reviewed Publications (continued)

- 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.
- 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.

Edited Journals

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

Edited Book Volumes

- Hood, B. M. & Santos, L. R. (in preparation). *The Origins of Object Knowledge: The Yale Symposium on the Origins of Object & Number Representation*. Oxford: Oxford University Press.

Book Chapters, Commentaries, & Literature Reviews

- Santos, L. R. (under revision). The evolution of rationality (and irrationality): Insights from non-human primates. T. Gendler and R. Nashi (Eds.) *Oxford Studies in Epistemology, Volume 2*. Oxford: Oxford University Press.
- Hauser, M. D. & Santos, L. R. (in press). How non-human primates represent artifacts. In S. Laurence & E. Margolis (Eds.) *Creations of the Mind*. Oxford: Oxford University Press.
- Santos, L. R., Flombaum, J. I. & Phillips, W. (in press). The evolution of human mind reading. In S. Platek (Ed.) *Evolutionary Cognitive Neuroscience*. Cambridge: MIT Press.

Book Chapters, Commentaries, & Literature Reviews (continued)

- Santos, L. R. & Lakshminarayanan (in press). Innate constraints on judgment and choice?: Insights from children and non-human primates. In P. Carruthers (Ed.) *The Innate Mind: Foundations and The Future*. Oxford: Oxford University Press.
- 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.

Book Chapters, Commentaries, & Literature Reviews

- 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*.
- 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 Auditor: 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.

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

- Egan, L., Santos, L. R. & Bloom, P. (2007). The origins of cognitive dissonance: Young children and monkeys derogate unchosen alternatives. Poster to be presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Hamlin, J., Bloom, P., Wynn, K. & Santos, L. R. (2007). Rhesus monkeys attribute value to the actions of others. Symposium to be 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 to be presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Lyons, S., Lin, J. & Santos, L. R. (2007). Capuchin monkeys (*Cebus apella*) use anvtos i es experimenter's unfulfilled intention to locate hidden food. Poster to be 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 to be presented at the 14th Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Phillips, W. & Santos, L. R. (2007). Rhesus monkeys (*Macaca mulatta*) attribute goals to animate but not inanimate agents. Poster to be 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 Research in Child Development, Boston, MA.

Papers Presented (continued)

- Mahajan, N., Barnes, J. L., Edwards, L. A., & Santos, L. R. (2006). Prosimians primates' reasoning about the perceptions of others. Poster to be 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 to be 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 to be 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 to be 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.

Papers Presented (continued)

- 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.
- 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.
- Kundery, 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. 39999 0 0 0.23999999 45 0 0 45 0 0 Tm /F2.01() Tj 45 0 0 □