

Curriculum Vitae
Lisa A. Parr

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Education

1990, B.A. Behavioral Biology, Beloit College, Beloit, WI
1997, M.A. Psychology, Emory University, Atlanta, GA
2000, Ph.D., Psychology, Emory University, Atlanta, GA

Current and Previous Positions

2005 – present: Assistant Professor, Department of Psychiatry and Behavioral Sciences, Emory University, Atlanta, GA
2003 – present: Assistant Research Professor and Director-Yerkes Chimpanzee Cognition Laboratory, Yerkes Regional Primate Research Center, Atlanta, GA
2003 – present: Faculty, Center for Behavioral Neuroscience, Emory University, Atlanta, GA

Honors and Awards

1994 Four year Graduate Fellowship, Department of Psychology, Emory University
1996 Best student paper, International Primate Society/American Society of Primatologists Joint Congress, Madison, WI
2000 HealthEmotions Research Institute Scholar, University of Wisconsin, Madison, WI
2000 Honorable Mention W. C. Allee Student Paper Competition, Animal Behavior Society Conference, Morehouse College, Atlanta, GA, August 5 - 9
2000 Young Student Presenter, Animal Social Complexity and Intelligence Conference, Chicago Academy of Sciences, Chicago, IL, August 23 - 26
2000 2-year Postdoctoral Fellowship, Center for Behavioral Neuroscience, Emory University, Atlanta, GA
2001 HealthEmotions Travel Award, University of Wisconsin, Madison, WI
2001 Frank A. Beach Award, Division of Behavioral Neuroscience and Comparative Psychology of the American Psychological Association, best paper in Comparative Psychology (2000)
2002 HealthEmotions Research Institute Scholar, University of Wisconsin, Madison, WI
2002 Best Poster (2nd place) “Structural and contextual analysis of chimpanzee screams” Summer Undergraduate Research Experience poster session, Emory University, Atlanta GA
2003 HealthEmotions Research Institute Scholar, University of Wisconsin, Madison, WI
2004 NIH study section, ad hoc reviewer BRLE, February 19-20, 2004.

Peer Reviewed Publications (* student assisted)

1. Parr, L.A., Hopkins, W. D. & de Waal, F. B. M. (1997). Haptic discrimination in captive capuchin monkeys (*Cebus apella*): Evidence of manual specialization. *Neuropsychologia*, *35*, 143-152.
2. Parr, L.A., Matheson, M., Bernstein, I. S. & de Waal, F. B. M. (1997). Grooming down the hierarchy: Allogrooming in captive brown capuchin monkeys, *Cebus apella*. *Animal Behaviour*, *54*, 361-367.

3. Hopkins, W. D. & Parr, L.A. (1998). Lateralized behavior and lymphocyte counts in chimpanzees (*Pan troglodytes*): A cross-sectional and longitudinal assessment. Developmental Neuropsychology, *14*, 519-533.
4. Parr, L.A., Dove, T. & Hopkins, W. D. (1998). Why faces may be special: Evidence for the inversion effect in chimpanzees (*Pan troglodytes*). Journal of Cognitive Neuroscience, *10*, 615-622.
5. Parr, L.A., Hopkins, W. D. & de Waal, F. B. M. (1998). The perception of facial expressions in chimpanzees (*Pan troglodytes*). Evolution of Communication, *2*, 1-23.
6. Parr, L. A. & de Waal, F. B. M. (1999). Visual kin recognition in chimpanzees. Nature, *399*, 647-648.
7. Lacreuse, A., Parr, L.A., Smith, H. & Hopkins, W. D. (1999). Hand preference for a haptic task in chimpanzees, *Pan troglodytes*. International Journal of Primatology, *20*, 867-881.
8. Parr, L.A., Winslow, J. T. & Hopkins, W. D. (1999). Is the inversion effect in rhesus monkeys face specific? Animal Cognition, *2*, 123-129.
9. Parr, L.A., Winslow, J. T., Hopkins, W. D. & de Waal, F. B. M. (2000). Recognizing facial cues: Individual recognition in chimpanzees (*Pan troglodytes*) and rhesus monkeys (*Macaca mulatta*). Journal of Comparative Psychology, *114*, 47-60.
10. Parr, L.A. & Hopkins, W. D. (2001). Brain temperature asymmetries and emotional perception in chimpanzees, *Pan troglodytes*. Physiology and Behavior, *71*, 363-371.
11. Parr, L.A. (2001). Cognitive and physiological markers of emotional awareness in chimpanzees, *Pan troglodytes*. Animal Cognition, *4*, 223-229.
12. Parr, L.A., Winslow, J. T. & Davis, M. (2002). Somatic and cardiac responses to startle in differentially reared rhesus monkeys (*Macaca mulatta*). Behavioral Neuroscience, *116*, 378-386
13. Winslow, J. T., Parr, L.A. & Davis, M. (2002). Acoustic startle, prepulse inhibition and fear-potentiated startle measured in rhesus monkeys. Biological Psychiatry, *51*, 859-866.
14. Parr, L.A. (2002). Understanding other's emotions: From affective resonance to empathic action. Behavioral and Brain Sciences, *25*, 44-45.
15. Parr, L.A. (2003). The discrimination of facial expressions and their emotional content by chimpanzees (*Pan troglodytes*). In. *Emotions Inside Out: 130 Years after Darwin's The Expression of the Emotions in Man and Animals*, edited by Paul Ekman, Joseph J. Campos, Richard J. Davidson, and Frans B. M. de Waal, Annals of the New York Academy of Sciences, *100*, 56-78.
16. Siebert, E. & Parr, L.A. (2003). A structural and contextual analysis of chimpanzee screams. In. *Emotions Inside Out: 130 Years after Darwin's The Expression of the Emotions in Man and Animals*, edited by Paul Ekman, Joseph J. Campos, Richard J. Davidson, and Frans B. M. de Waal, Annals of the New York Academy of Sciences, *100*, 204-210.
17. Davis, J.E., Parr, L.A. & Gouzoules, H. (2003). Response to naturalistic fear stimuli in captive Old World monkeys. In. *Emotions Inside Out: 130 Years after Darwin's The Expression of the Emotions in Man and Animals*, edited by Paul Ekman, Joseph J. Campos, Richard J. Davidson, and Frans B. M. de Waal, Annals of the New York Academy of Sciences, *100*, 91-94.
18. Parr, L.A. (2004). Perceptual biases for multimodal cues in chimpanzee affect recognition. Animal Cognition, *7*, 171-178.
19. Vokey, J.R., Rendall, D., Tangen, J.M., Parr, L.A. & de Waal, F.B.M. (2004). On visual kin recognition and family resemblance in chimpanzees. Journal of Comparative Psychology, *118*, 194-199.
20. Parr, L.A., Cohen, M. & de Waal, F.B.M. (2005). The influence of social context on the use of blended and graded facial displays in chimpanzees (*Pan troglodytes*). International Journal of Primatology, *26*, 73-103.
21. Parr, L.A., Waller, B. & Fugate, J. (2005). Emotional communication in primates: Implications for neurobiology. Current Opinion in Neurobiology, *15*, 716-720. (cover)
22. Burrows, A.M., Waller, B.M., Parr, L.A. & Bonar, C.J. (2006). Muscles of facial expression in the chimpanzee (*Pan troglodytes*): Descriptive, ecological and phylogenetic contexts. Journal of Anatomy, *208*, 153-168. (cover)

23. Parr, L.A., Heintz, M. & Akamagwuna, U. (2006). Three studies of configural face processing by chimpanzees. Brain and Cognition, *62*, 30-42.
24. Waller, B.M., Vick, S.J., Parr, L.A., Bard, K.A., Pasqualini-Smith, M., Gothard, K.M. & Fuglevand, A. (2006). Intramuscular electrical stimulation of facial muscles in humans and chimpanzees: Duchenne revisited and extended. Emotion, *6*, 367-382.
25. Parr, L.A. & Heintz, M. (2006). The perception of unfamiliar faces and houses by chimpanzees: Influence of rotational angle. Perception, *35*, 1473-1483.
26. Parr, L.A. & Waller, B.M. (2006). Understanding chimpanzee facial expressions: Insights into the evolution of communication. Social Cognitive and Affective Neuroscience, *1*, 221-228.
27. Vick, S.J., Waller, B.M., Parr, L.A., Pasqualini-Smith, M. & Bard, K.A. (2007). A cross species comparison of facial morphology and movement in humans and chimpanzees using FACS. Journal of Nonverbal Behavior, *31*, 1-20.
28. Parr, L.A., Waller, B.M., Vick, S.J. & Bard, K.A. (2007). Classifying chimpanzee facial expressions using muscle action. Emotion, *7*, 172-181.
29. Parr, L.A., Waller, B.M. & Vick, S.J. (2007). A new method for studying comparative emotional communication: The chimpanzee facial action coding system. Current Directions in Psychological Science, *16*, 117-122.
30. Rilling, J.K., Barks, S.K., Parr, L.A., Preuss, T.M., Faber, T.L., Pagnoni, G., Bremner, J.D. & Votaw, J.R. (in press). A comparison of resting state brain activity in humans and chimpanzees. PNAS, *104*, 17146-17151.
31. Parr, L.A., Waller, B.M. & Heintz, M. (2008). Facial expression categorization by chimpanzees using standardized stimuli. Emotion, *8*, 216-231.
32. Parr, L.A. & Heintz, M. (2008). Discrimination of faces and houses by Rhesus monkeys: The role of stimulus expertise and rotation angle. Animal Cognition, *11*, 467-474.
33. Parr, L.A., Heintz, M. & Pradhan, G. (2008). Rhesus monkeys (*Macaca mulatta*) lack face expertise. Journal of Comparative Psychology, *122*, 390-402.
34. Waller, B.M., Parr, L.A., Gothard, K.M., Burrows, A.M. & Fuglevand, A.J. (2008). Mapping the contribution of single muscles to facial movements in the Rhesus Macaque. Physiology and Behavior, *95*, 93-100.
35. Rogers, C.R., Mooney, M.P., Smith, T.D., Weinberg, S.M., Waller, B.M., Parr, L.A., Docherty, B.A., Bonar, C.J., Reinholdt, L.E., Deleyiannis, F.W.B., Siegel, M.I., Marazita, M.L. & Burrows, A., (2009). Comparative micro-anatomy of the Orbicularis Oris muscle between chimpanzees and humans: Evolutionary divergences of lip function. Journal of Anatomy, *214*, 36-44.
36. Parr, L.A., Hecht, E., Barks, S.K., Preuss, T.M. & Votaw, J.R. (2009). Face selective brain activity in chimpanzees. Current Biology, *19*, 1-4.

Chapters and Articles

- Parr, L. A. We, Like the Chimpanzee. Dragonfly, March, 2000.
- Parr, L. A., Preuschoft, S. & de Waal, F. B. M. (2002). Afterword: Research on facial emotion in chimpanzees, 75 years since Kohts. In: F.B.M. de Waal (Ed.) Infant Chimpanzee and Human Child, 411-452. New York: Oxford University Press.
- Parr, L. A. (2003). Understanding emotional expressions in chimpanzees. In: F.B.M. de Waal & P. L. Tyack (Eds.) Animal Social Complexity: Intelligence, Culture, and Individualized Societies, 288-293. Cambridge, MA: Harvard University Press.
- Parr, L. A. & Maestriperieri, D. (2003). Nonvocal communication in nonhuman primates. In: D. Maestriperieri (Ed.) Primate Psychology: The Mind and Behavior of Human and Nonhuman Primates, 324-358. Chicago: Chicago University Press.

- Parr, L.A. & Waller, B.M. (2006). The evolution of human emotion In: J.A. Kaas (Ed.) Evolution of Nervous Systems, Vol. 5: Evolution of Primate Nervous Systems, 447-472. Oxford, UK: Elsevier.
- Parr, L.A. & Gothard, K.M. (2007). Studying emotion in animals: Assessment, materials and training. In: J.A. Coan & J.J.B. Allen (Eds.). The Handbook of Emotion Elicitation and Assessment, pp. 379-397. Oxford University Press Series in Affective Science.
- Parr, L.A. (in press). Facial expression in primate communication. In: L. Squire et al. (Ed.). The New Encyclopedia of Neuroscience, pp. xx-xx. Oxford, UK: Elsevier.
- Parr, L.A. (in press). Understanding the expression and classification of chimpanzee facial expressions. Chimpanzee Mind, pp. xx-xx. Chicago: Chicago University Press.
- Parr, L.A. (in press). Understanding the expression and classification of chimpanzee facial expressions. Chimpanzee Mind, pp. xx-xx. Chicago: Chicago University Press.
- Parr, L.A. (in press). The role of emotion in primate social cognition. In: J. Moore & M. Breed (Eds.), N. Clayton (section Ed). New Encyclopedia of Animal Behaviour: Animal Cognition, pp. xx-xx. Elsevier.

Invited Presentations (from 2000)

- March 2-5, 2000: Emotional awareness in chimpanzees. COE International Symposium on The Phylogeny of Cognition and Language, Primate Research Institute, Kyoto University, Inuyama, Japan.
- March 24, 2000: Understanding emotion in chimpanzees: Behavior, physiology and cognition. Department of Psychology, Université Laval, Quebec, Canada.
- October 27, 2000: Understanding emotion in chimpanzees. Department of Psychology, Vanderbilt University, Nashville, TN.
- December 5, 2000: Understanding emotion in chimpanzees: Behavior, physiology and cognition. Department of Psychology, Emory University, Atlanta, GA.
- January 29, 2001: Understanding emotion in chimpanzees: Behavior, physiology and cognition. Workshop on Evolutionary Basis of Emotion. Kyoto University, Japan.
- March 30, 2001: From computer games to empathy: Understanding emotion in chimpanzees. Keynote address for Women and Girls in Science Conference, Beloit College, Beloit, WI.
- July 24, 2001: Living Links: Chimpanzee Research in the Past, Present and Future. Plenary Address, Jane Goodall Scholars Institute, St. Paul, MN.
- October 5, 2001: Emotional responsiveness in nonhuman primates. Department of Biology and Psychology, Oglethorpe University, Atlanta, GA.
- October 8, 2001: Social and emotional cognition in nonhuman primates. Department of Social and Cognitive Psychology, Georgia State University, Atlanta, GA.
- March 4, 2002: Understanding emotion in chimpanzees. New Iberia Primate Research Center, Lafayette, LA.
- April 3, 2002: Understanding emotion in chimpanzees: Behavior, physiology and cognition. Department of Psychology, Berkeley University, Berkeley, CA.
- April 4, 2002: Understanding emotion in chimpanzees: Behavior, physiology and cognition. Department of Psychiatry, University of California, San Francisco, CA.
- April 22, 2002: Primate social cognition: comparative studies on emotion. Department of Anthropology, Emory University, Atlanta, GA.
- June 18, 2002: An overview of primate social cognition research at Yerkes: ChimpanzeeOne, Yerkes Primate Center, Atlanta, GA.
- November 16, 2002: Chimpanzee facial expressions and their emotional content. Emotions Inside Out: 130 Years after Darwin's *The Expression of the Emotions in Man and Animals*. New York Academy of Sciences, New York, NY.

- March 14, 2003: The face and emotion in the evolution of social cognition. Department of Psychology and Physiology, University of Arizona, Tucson, AZ.
- June 11, 2003: The role of emotion in nonhuman primates: signals from the face. Keynote address, 17th Annual Forensics Conference: Violence and Emotion, Mental Health Center, Penetanguishene, Ontario, CA.
- November, 20, 2003: Social cognition in chimpanzees. Emory University, Neuroscience and Behavioral Biology Series, Atlanta, GA.
- April 13, 2004: The face of emotion in chimpanzees. Fernbank Natural History Museum, Public Lecture Series, Atlanta, GA.
- August 23, 2004: Chimpanzee social cognition: Past, present and future. Symposium on the Current Directions in Ape Cognition. International Primatological Society, 22-28 August, Torino, Italy.
- December 6, 2004: Primate social cognition. Department of Psychology, Georgia State University, Atlanta, GA.
- September 12, 2005: Chimpanzee face recognition: Configural processing and expertise. Department of Psychology, Sheffield University, Sheffield, UK.
- September 13-16, 2005: Advancing the classification of chimpanzee facial expressions using ChimpFACS. 11th European Conference on Facial Expression Measurement and Meaning, Durham, UK.
- February 14, 2006: The evolution of social cognition: Face processing in monkeys and apes. Department of Biological Anthropology and Anatomy, Duke University, Durham, NC.
- June 23-25, 2006: Chimpanzee facial expressions: A window into social intelligence. International Primatological Society, Social Intelligence workshop, Ngamba Island, Uganda.
- July 13-20, 2006: Parr, L.A. Emotional communication in primates. The Biology of Social Cognition, Cold Springs Harbor Research Institute, Cold Springs Harbor, NY.
- November 17-18, 2006: Evolution of social cognition. Sackler Colloquium, National Academy of Sciences, Irvine, CA.
- March 23, 2007: Categorization of facial expressions by chimpanzees. The Chimpanzee Mind, Lincoln Park Zoo, Chicago, IL.