

Curriculum Vitae  
**Joan B. Silk**

**BIRTHDATE:** 16 December 1953  
**BIRTHPLACE:** Riverside, California  
**MARITAL STATUS:** Married to Robert Boyd, 2 children  
**CITIZENSHIP:** United States

**ADDRESS**

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**EDUCATION**

1975 B.A. with honors in Anthropology, Pitzer College, Claremont Colleges  
1978 M.A. in Anthropology, University of California, Davis  
1981 Ph.D. in Anthropology, University of California, Davis

**ACADEMIC HONORS RECEIVED**

1976-1981 Recipient of the Regents Fellowship, University of California, Davis  
1993 Fellow, American Anthropological Association

**ACADEMIC EMPLOYMENT**

1996-2001 Chair, Department of Anthropology, University of California, Los Angeles  
1995- Professor, Department of Anthropology, University of California, Los Angeles  
1993-1996 Vice Chair, Department of Anthropology, University of California, Los Angeles  
1992 Fellow, Zentrum für Interdisziplinäre Forschung, University of Bielefeld,  
Germany

- 1990-1994 Associate Professor, Department of Anthropology, University of California, Los Angeles
- 1986-1992 Affiliate scientist, California Primate Research Center, University of California, Davis
- 1986-1990 Assistant Professor, Department of Anthropology, University of California, Los Angeles
- 1984-1986 Assistant Professor, Department of Anthropology, Emory University, Atlanta, Georgia
- 1984-1986 Assistant Research Behaviorist, California Primate Research Center, Davis, California
- 1983-1984 Visiting Scholar, Department of Zoology, Duke University, Durham, North Carolina
- 1982-1983 National Research Service Award, National Institute of Mental Health, postdoctoral fellow, Department of Biology, University of Chicago.
- 1981-1982 National Science Foundation postdoctoral fellow, Department of Biology, University of Chicago.

#### PROFESSIONAL ACTIVITIES

- 2007–present Member, Scientific Executive Committee, Leakey Foundation
- 2006–present Member, Editorial Advisory Board, *Human Behavior and Evolution*
- 2005–present Member, Editorial Advisory Board, *Primates*
- 1991–present Member, Editorial Board, *Human Nature*
- 2007 External reviewer, Department of Anthropology, Stony Brook University of New York
- 2006 External reviewer, Institute of Anthropology, University of Zurich, Switzerland
- 1997, 1998, 2001 Panelist, National Science Foundation Graduate Research Fellowship Program
- 1993-96, 2002 Panelist, National Science Foundation Biological Anthropology Section
- 1994-95 Member, Editorial Board, *The American Naturalist*
- 1990-95 Member, Editorial Board, *American Journal of Physical Anthropology*
- 1980-91 *American Journal of Physical Anthropology*

## PUBLICATIONS

### A. Books

Boyd, R. & Silk, J.B. 1997, 2000, 2003, 2006. *How Humans Evolved*. W.W. Norton Press, New York. (Translated into Spanish and French)

Excerpts from Chapter 9 reprinted in *Research Frontiers in Anthropology: Advances in Archaeology and Physical Anthropology*, ed. by C. Ember and M. Ember, Prentice Hall.)

### B. Journal Publications and book chapters

Silk, J.B. 1978. Patterns of food sharing among mother and infant chimpanzees at Gombe National Park, Tanzania. *Folia Primatologica* 29: 129- 141.

Silk, J.B. 1979. Feeding, foraging, and food sharing of immature chimpanzees. *Folia Primatologica* 31: 123-142.

Silk, J.B. 1980. Kidnapping and female competition in captive bonnet macaques. *Primates* 21: 100-110.

Silk, J.B. 1980. Adoption and kinship in Oceania. *American Anthropologist* 82: 799-820.

Silk, JB, Samuels, A, & Rodman, PS. 1981. Hierarchical organization of female *Macaca radiata*. *Primates* 22: 84-95.

Silk, JB, Clark-Wheatley, CB, Rodman, PS, & Samuels, A. 1981. Differential reproductive success and facultative adjustment of sex ratios among captive female bonnet macaques (*Macaca radiata*). *Animal Behaviour* 29: 1106-1120.

Silk, JB, Samuels, A., & Rodman, PS. 1981. The influence of kinship, rank, and sex upon affiliation and aggression among adult females and immature bonnet macaques (*Macaca radiata*). *Behaviour* 78: 112-137).

Silk, J.B. 1981. Social behavior of female *Macaca radiata*: the influence of kinship and rank upon cooperation and competition. Ph.D. thesis, University of California, Davis.

Silk, J.B. 1982. Altruism among adult female bonnet macaques: explanation and analysis of patterns of grooming and coalition formation. *Behaviour* 79: 162-187.

- Silk, JB & Boyd, R. 1983. Female cooperation, competition, and mate choice in matrilineal macaque groups. In: *Social Behavior of Female Vertebrates* (ed. by S.K. Wasser) Academic Press, New York, p. 315-347.
- Boyd, R & Silk, J.B. 1983. A method of assigning cardinal indices of dominance rank. *Animal Behaviour* 31: 45-58.
- Silk, J.B. 1983. Local resource competition and facultative adjustment of sex ratios in relation to competitive ability. *American Naturalist* 121: 56-66.
- Silk, JB & Samuels, A. 1984. Triadic interactions among male *Macaca radiata*: passports and buffers. *American Journal of Primatology* 6: 373-376.
- Silk, J.B. 1984. Measurement of the relative importance of individual selection and kin selection in the genus *Macaca*. *Evolution* 38: 553-559.
- Samuels, A., Silk, JB, & Rodman, PS. 1984. Changes in the dominance rank and reproductive behavior of male bonnet macaques (*Macaca radiata*). *Animal Behaviour* 32: 994-1003.
- Silk, J.B. 1984. Local resource competition and the evolution of male-biased sex ratios. *Journal of Theoretical Biology* 108: 203-213.
- Silk, JB & Boyd, R. 1984. Response to J. Rushen. *Animal Behaviour* 32:933-934.
- Silk, J.B. 1986. Eating for two: behavioral and environmental correlates of gestation length among free-ranging baboons (*Papio cynocephalus*). *International Journal of Primatology* 7:583-602.
- Silk, J.B. 1987. Adoption and fosterage in human societies: adaptations or enigmas? *Cultural Anthropology* 2:39-49.
- Silk, J.B. 1987. Social behavior in evolutionary perspective. In: *Primate Societies*, ed. by B.B. Smuts et al). University of Chicago Press, Chicago, pp. 318-329.
- Samuels, A, Silk, JB, & Altmann, J. 1987. Continuity and change in dominance relationships among female baboons. *Animal Behaviour* 35: 785-793.
- Silk, J.B. 1987. Correlates of aggression and competition among pregnant baboons. *American Journal of Primatology* 12: 479-495.
- Silk, J.B. 1987. Inuit adoption. *Ethos* 15:320-330.
- Silk, J.B. 1987. Activities and diet of free-ranging pregnant baboons, *Papio cynocephalus*, *International Journal of Primatology* 8: 593- 613.

- Silk, J.B. 1988. Social mechanisms of population regulation in a captive group of bonnet macaques (*Macaca radiata*), *American Journal of Primatology* 14: 111-124.
- Silk, J.B. 1988. Maternal investment in captive bonnet macaques (*Macaca radiata*), *The American Naturalist* 132: 1-19.
- Silk, J.B. 1989. Reproductive synchrony in captive macaques. *American Journal of Primatology* 19: 137-146.
- Silk, J.B. 1990. Human adoption in evolutionary perspective. *Human Nature* 1:25-52.
- Silk, J.B. 1990. Sources of variation in interbirth intervals among captive bonnet macaques (*Macaca radiata*). *American Journal of Physical Anthropology* 82: 213-230.
- Silk, J.B. 1990. Comment on Turke 1990: Which humans adopt adaptively, and does it matter? *Ethology and Sociobiology* 11: 425-426.
- Silk, J.B. 1991. Mother-infant relationships in bonnet macaques: sources of variation in proximity. *International Journal of Primatology* 12:21-38.
- Silk, J.B. 1992. Patterns of intervention in agonistic contests among male bonnet macaques. In: *Coalitions and Alliances in Humans and Other Animals* (ed. by S. Harcourt and F. de Waal). Oxford University Press, Oxford, pp. 215-232.
- Silk, J.B. 1992. The patterning of intervention among male bonnet macaque: reciprocity, revenge, and loyalty. *Current Anthropology* 33:318-325.
- Silk, J.B. 1992. The origins of caregiving behavior. *American Journal of Physical Anthropology* 87: 227-229.
- Silk, JB, Short, J, Roberts, J, & Kemnitz, J. 1993. Gestation Length in Rhesus Macaques (*Macaca mulatta*). *International Journal of Primatology* 14:95-104.
- Silk, J.B. 1993. The evolution of social conflict among primate females. In: *Primate Social Conflict* (ed. by W.A. Mason and S. Mendoza). SUNY Press, Albany, pp. 49-83.
- Silk, J.B. 1993. Primatological perspectives on gender hierarchies. In: *Gender Hierarchies* (ed. by B. Miller). Cambridge University Press, Cambridge., pp. 212-235.
- Silk, J.B. 1993. Does participation in coalitions influence dominance relationships among male bonnet macaques? *Behaviour* 126:171-189.

- Silk, J.B. 1994. Social relationships of male bonnet macaques: male bonding in a matrilineal society. *Behaviour* 130:271-291.
- Cheney, D.L., Seyfarth, R.M., & Silk, J.B. 1995. The role of grunts in reconciling opponents and facilitating interactions among adult female baboons. *Animal Behaviour* 50:249-257.
- Cheney, D.L., Seyfarth, R.M., & Silk, J.B. 1995. The responses of female baboons (*Papio cynocephalus ursinus*) to anomalous social interactions: evidence for causal reasoning? *Journal of Comparative Psychology* 109: 134-141.
- Silk, J.B., Cheney, D.L., & Seyfarth, R.M. 1996. The form and function of post-conflict interactions among female baboons. *Animal Behaviour* 52:259-268.
- Silk, J.B. 1996. Why do primates reconcile? *Evolutionary Anthropology* 5: 39-42.
- Boyd, R. & Silk, J.B. 1997, 1999, 2002, 2005. *How Humans Evolved*. W.W. Norton Press, New York. (excerpts from Chapter 9 reprinted in *Research Frontiers in Anthropology: Advances in Archaeology and Physical Anthropology*, ed. by C. Ember and M. Ember, Prentice Hall.)
- Levine, N.E. & Silk, J.B. 1997. Why polyandry fails: sources of instability in polyandrous marriages. *Current Anthropology* 38: 375-398.
- Kummer, H., Daston, L., Gigerenzer, G. & Silk, J.B. 1997. The social intelligence hypothesis. In: *Human by Nature* (ed. by P. Weingart, S.D. Mitchell, P.J. Richerson, and S. Maasen). Erlbaum Press, pp 157-179.
- Silk, J.B. 1997. The function of peaceful post-conflict contacts among primates. *Primates* 38: 265-279.
- Silk, J.B. 1998. Making amends: adaptive perspectives on conflict remediation in monkeys, apes, and humans. *Human Nature* 9:341-368.
- Frantzen, M.A.J., Silk, J.B., Ferguson, J.W.H., Wayne, R.K., and Kohn, M.H. 1998. Empirical evaluation of preservation methods for fecal DNA. *Molecular Ecology* 7:1423-1428.
- Silk, J.B. 1999. Why are infants so attractive to others? The form and function of infant handling in bonnet macaques. *Animal Behaviour* 57:1021-1032.
- Silk, J.B. 1999. Male bonnet macaques use information about third party rank relationships to recruit allies. *Animal Behaviour* 58: 45-51.
- Silk, J.B., D.L. Cheney, and R.M. Seyfarth. 1999. The structure of social relationships among female savannah baboons in Moremi Reserve, Botswana. *Behaviour* 136: 679-703.

Silk, J.B. and Stanford, C.B. 1999. Infanticide article disputed. *Anthropology News* 40: 27-29.

Silk, J.B., E. Kaldor, and R. Boyd. 2000. Cheap talk when interests conflict. *Animal Behaviour* 59: 423-432.

Silk, J.B. 2000. The function of peaceful post-conflict interactions: an alternate view. In: *Natural Conflict Resolution* (ed. by F. Aureli and F.B.M. de Waal), University of California Press, Berkeley, CA, pp 179-181.

Palombit, R.A., D.L. Cheney, J. Fischer, S. Johnson, D. Rendall, R.M. Seyfarth, and J.B. Silk. 2000. Male infanticide and defense of infants in chacma baboons. In: *Male Infanticide and its Implications* (ed. by C.P. van Schaik and C.H. Janson), Cambridge University Press, Cambridge, pp. 123-151.

Silk, J.B. 2001. Ties that bond: the role of kinship in primate societies. In: *New Directions in Anthropological Kinship* (ed. by L. Stone), Rowman and Littlefield, Boulder, CO, pp. 71-92.

Silk, J.B. 2001. Primate socioecology. In: *International Encyclopedia of the Social and Behavioral Sciences*, (ed. by N. Smelser and P. Baltes), Elsevier Science, Oxford.

Silk, J.B. 2001. Bonnet macaques: evolutionary perspectives on females' lives. In: *Model Systems in Behavioral Ecology*, (ed. by L.A. Dugatkin), Princeton University Press, Princeton, N.J., pp. 433-452.

Silk, J.B. 2002. Grunts, girneys, and good intentions: the origins of strategic commitment in nonhuman primates. In: *Commitment: Evolutionary Perspectives* (ed. by R. Nesse), Russell Sage Press, pp. 138-157.

Silk, J.B. 2002. Kin selection in primate groups. *International Journal of Primatology* 23(4): 849-875.

Silk, J.B. 2002. Females, food, family, and friendship. *Evolutionary Anthropology* 11: 85-87.

Silk, J.B. 2002. The form and function of reconciliation in primates. *Annual Review of Anthropology* 31: 21-44.

Silk, J.B. guest editor. 2002. What are friends for? The adaptive value of social bonds. *Behavior* 139(2-3).

Silk, J.B. 2002. Introduction to special edition. *Behavior* 139(2-3): 173-175.

Silk, J.B. 2002. Using the 'F' word in primatology. *Behavior* 139(2-3): 421-446.

Boyd, R., Silk, J.B. 2002. Human Sociobiology. In: *Encyclopedia of Evolution*.

- Brown, G.R., Silk, J.B. 2002. Reconsidering the null hypothesis: Is maternal rank associated with birth sex ratios in primate groups? *Proceedings of the National Academy of Sciences* 99(17): 11252-11255.
- Silk, J.B. 2002. Practice random acts of aggression and senseless acts of intimidation: the logic of status contests in social groups. *Evolutionary Anthropology* 11:221-225.
- Buchan, J.C., Alberts, S.C., Silk, J.B., Altmann, J. 2003. True paternal care in a multi-male primate society. *Nature* 425:179-181.
- Silk, J.B., Rendall, D., Cheney, D.L., Seyfarth, R.M. 2003. Natal attraction in adult female baboons (*Papio cynocephalus ursinus*) in the Moremi Reserve, Botswana. *Ethology* 109:627-644.
- Silk, J.B. 2003. Cooperation without counting: the puzzle of friendship. In: *The Genetic and Cultural Evolution of Cooperation* (P. Hammerstein, ed.), Dahlem Workshop Report 90. Cambridge, MA, The MIT Press.
- McElreath, R., Clutton-Brock, T.H., Fehr, E., Fessler, D.M.T., Hagen, E.H., Hammerstein, P., Kosfeld, M., Milinski, M., Silk, J.B., Tooby, J., & Wilson, M.I. (2003). The Role of Cognition and Emotion in Cooperation. In: *The Genetic and Cultural Evolution of Cooperation* (P. Hammerstein, ed.), Dahlem Workshop Report 90. Cambridge, MA, The MIT Press.
- Silk, J.B., Alberts, S.C., Altmann, J. 2003. Social bonds of female baboons enhance infant survival. *Science* 302:1331-1334.
- Silk, J.B., Alberts, S.C., Altmann, J. 2004. Patterns of coalition formation by adult female baboons in Amboseli, Kenya. *Animal Behaviour* 67: 573-582.
- Manson, J.H., Navarette, C.D., Silk, J.B., Perry, S. 2004. Time-matched grooming in female primates? New analyses from two species. *Animal Behaviour* 67: 493-500.
- Silk, J.B., Brown, G.R. 2004. Sex ratios in primate groups. In: *Sexual Selection in Primates* (P. Kappeler, C. van Schaik, eds.) Cambridge University Press.
- Cheney D.L., Seyfarth, R.M., Fischer, J., Beehner, J., Bergman, T., Johnson, S.E., Kitchen, D.M., Palombit, R.A., Silk, J.B. 2004. Factors affecting reproduction and mortality among baboons in the Okavango Delta, Botswana. *International Journal of Primatology* 25:401-428.
- Silk, J.B., Willoughby, E., & Brown, G.R. 2005. Maternal rank and local resource competition do not predict birth sex ratios in wild baboons. *Proceedings of the Royal Society London, Series B* 272: 569-574.

Silk, J.B. 2005. The evolution of cooperation in primate groups. In: *Moral Sentiments and Material Interests: On the Foundations of Cooperation in Economic Life* (H. Gintis, S. Bowles, R. Boyd, and E. Fehr eds.), MIT Press, Cambridge, pp. 43-73.

Silk, J.B., Brosnan, S.F., Vonk, J., Henrich, J., Povinelli, D.J., Richardson, A.F., Lambeth, S.P., Mascaró, J., Schapiro, S.J. 2005. Chimpanzees are indifferent to the welfare of other group members. *Nature* 435: 1357-1359.

Silk, J.B. 2006. Practicing Hamilton's Rule: Kin selection in primate groups. In: *Cooperation in Primates and Humans. Mechanisms and Evolution*. (P.M. Kappeler & C.P. van Schaik, eds.) Springer, Berlin, pp. 25-46.

Cheney, D.L., Seyfarth, R.M., Fischer, J., Beehner, J., Bergman, T., Johnson, S., Kitchen, D.M., Palombit, R.A., Rendall, D., & Silk, J. 2006. Reproduction, mortality, and female reproductive success in chacma baboons of the Okavango Delta, Botswana. In: *Reproduction and Fitness in Baboons* (L. Swedell, & S. Leigh, eds.). Springer, Berlin, pp. 147-176.

Silk, J.B. 2006. Who are more helpful, humans or chimpanzees? *Science* 311: 1248-1249.

Silk, J.B., Brosnan, S.F., Vonk, J., Henrich, J., & Povinelli, D.J., Richardson, A.S., Lambeth, S.P., Mascaró, J., & Shapiro, S.J. 2006. Chimpanzee choice and prosociality (Reply). *Nature* 440: E6.

Silk, J.B., Altmann, J., & Alberts, S.C. 2006. Social relationships among adult female baboons (*Papio cynocephalus*) I. Variation in the strength of social bonds. *Behavioral Ecology and Sociobiology* 61: 183-195

Silk, J.B., Alberts, S.C., Altmann, J. 2006. Social Relationships among Adult Female Baboons (*Papio cynocephalus*) II: Variation in the Quality and Stability of Social Bonds. *Behavioral Ecology and Sociobiology* 61:197-204.

Silk, J.B. 2007. Animal behavior: conflict management is for the birds. *Current Biology* 17: R50-51.

Silk, J.B. 2007. The adaptive value of sociality in mammalian groups. *Philosophical Transactions of the Royal Society* 362: 539-559.

Silk, J.B. 2007. Who lived in the Environment of Evolutionary Adaptedness? In: *Evolution of Mind* (S.W. Gangestad & J. A. Simpson, eds.) Guildford Press, New York, pp. 103-110.

Silk, J.B. 2007. Empathy, sympathy, and prosocial preferences in primates. In: *Oxford Handbook of Evolutionary Psychology* (R.I.M. Dunbar & L. Barrett, eds.) Oxford, Oxford University Press, pp. 115-126.

Silk, J.B. 2007. The strategic dynamics of cooperation in primate groups. *Advances in the Study of Behaviour* 37:1-42.

Duffy, K.G., Wrangham, R.W., Silk, J.B. 2007. Male chimpanzees exchange political support for mating opportunities. *Current Biology*.

Silk, J.B. 2007. Social components of fitness in primate groups. *Science*.

## BOOK REVIEWS

**Comment:** Under review/in prep: extinction test, Megan's orang data, LRC, wild dogs

Silk, J.B. 1982. Review of *The Woman that Never Evolved*, by S.B. Hrdy. *Ethology and Sociobiology* 5: 53-55.

Silk, J.B. 1984. Review of *Primate Social Relationships*, edited by R.A. Hinde. *Science* 224: 981-982.

Silk, J.B. 1984. Review of *Child Abuse: the Nonhuman Primate Data*, edited by M. Reite and N.G. Caine. *American Anthropologist* 86: 1034-1036.

Silk, J.B. 1985. Review of *Reproductive Decisions*, by R.I.M. Dunbar. *Science* 229: 961-962.

Silk, J.B. 1985. Review of *Too Many Women? The Sex Ratio Question* by M. Guttentag and P. Secord. *Ethology and Sociobiology* 6: 4-68.

Silk, J.B. 1986. Review of *Primate Sociobiology* by J.P. Gray. *American Journal of Physical Anthropology* 71: 21-122.

Silk, J.B. 1988. Review of *Apes of the World* by R.H. Tuttle. *International Journal of Primatology* 9: 385-387.

Silk, J.B. 1988. Review of *Human Birth* by W.R. Trevathan. *American Scientist* 76(5): 424.

Silk, J.B. 2000. Review of *On the Move: How and Why Animals Travel in Groups* edited by S. Boinski and P.A. Garber. *Ethology* 106: 1045-1048.

Silk, J.B. 2001. Review of *Tree of Origin: What Primate Behavior Can Tell Us about Human Social Evolution* edited by F.B.M. de Waal. *Evolution and Human Behavior* 22(6): 443-448.

## INVITED TALKS AND CONFERENCES (2001-2007)

*What are friends for? The adaptive value of social bonds.* For CRIG, Department of Psychology, UCLA, Spring 2001.

*What are friends for? The adaptive value of social bonds in primates.* Southern California Primate Research Network, San Diego, Spring 2001.

*The evolution of friendship in primates.* Adaptive Behavior and Cognition Group, Max Planck Institute for Human Development, November 2001.

*Too many males: Sex ratios and sexual selection in primates.* Third Göttinger Frielandtage, Sexual Selection in Primates: Causes, mechanisms, and consequences. 11-15 December, 2001.

*"Friendship" in nonhuman primates: comparisons, connections, and contrasts.* Conference on Kinship and Friendship, University of Bielefeld, Bielefeld, Germany. 4-6 February 2002.

*Allies and Friends: The role of alliances in the lives of female baboons.* Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany, 13 May 2002

*Allies and Friends: The role of alliances in the lives of female baboons.* Institute for Theoretical Biology, Humboldt University, Berlin, Germany, 21 May 2002

*Kinship, altruism, and friendship in nonhuman primates.* Wissenschaftskolleg zu Berlin, Berlin, Germany, 23 May 2002.

Member of the Program Advisory Committee and participant in 90<sup>th</sup> Dahlem Workshop on Genetic and Cultural Evolution of Cooperation, Berlin Germany, 23-28 June 2002.

*Allies and Friends: the Role of Coalitions in the lives of female baboons.* German Primate Center, Göttingen, Germany, 10 July 2002.

*Cooperation, Aid, and Friendship in Primate Groups.* Presented to the Behavior, Evolution, and Culture group, UCLA, January 2002.

*Coalitionary Aggression in Baboon Groups: Conventional Wisdom Meets the Real World,* Presented to the Evolution, Mind, and Behavior Conference, UC Santa Barbara, 4 May 2003.

*Competition, conflict, and cooperation in primate groups.* For Presidential Symposium entitled "Cooperation and Conflict: Current Studies in Evolutionary Anthropology", annual meeting of the American Anthropological Association, Chicago, 19-23 November 2003.

*Baboon sex ratios: testing the van Schaik and Hrdy model.* Invited talk at the annual meeting of the Primate Society of Great Britain, London, 3 December 2003.

*Practicing Hamilton's Rule: Kinship and Cooperation in Primate Groups.* Fourth Göttinger Frielandtage, Cooperation in Primates: Causes, mechanisms, and consequences. 9-13 December, 2003.

*Sociality among female baboons: Studying form, function and evolutionary processes in the field.* Department of Anthropology, University of Michigan, 12 March 2004.

*The Adaptive Value of Social Bonds.* Plenary address delivered at the annual meeting of the American Society of Primatology, Madison, WI, 9 June 2004.

*The adaptive value of social bonds and Sex Ratios in Primate Groups: Making Models and Testing Predictions.* Haverford College, November 2004.

*The Adaptive Value of Social Bonds: Linking Theory to Evidence.* Department of Psychology, University of Pennsylvania, November 2004.

*Sex ratio adjustment in primates: Nice theories meet ugly facts.* Behavioral Ecology Research Group, University of Stony Brook, 18 March 2005.

*The origins of prosocial sentiments.* Department of Anthropology, University of College London, October 2005

*The origins of prosocial sentiments* Department of Biological Anthropology, Cambridge University, October 2005.

*The origins of prosocial sentiments* Open meeting on Empathy and Fairness, sponsored by the Novartis Foundation, The Royal Institution and the Physiological Society, London, October 2005

*The origins of prosocial sentiments* Max Planck Institute for Evolutionary Anthropology, Leipzig, February 2006

*The origins of prosocial sentiments* Department of Psychology, University of St Andrews, May 2006

*The origins of prosocial sentiments* Department of Psychology, Newcastle University, May 2006

*The origins of prosocial sentiments* Center for Behavior, Evolution, & Culture, UCLA, November 2006

Discussant at conference on Empathy and Fairness, sponsored by the Novartis Foundation, London, 25-27 October, 2005.

*The origins of prosocial sentiments.* Symposium: The nature of human cooperation. University of Lausanne, Switzerland, 9-10 Mar 2006.

*The adaptive value of sociality.* Symposium: Social intelligence: from brain to culture. The Royal Society, Scientific Discussion Meeting, London, 22-23 May 2006.

*No monkey is an island: the adaptive value of social bonds.* Plenary address, Human Behavior and Evolution Society, Philadelphia, June 2006

*What motivates chimpanzees to cooperate? Putting together data from the field and lab.* Symposium: Cognition and Cooperation in Chimpanzees, Ngamba Island, Uganda, June 2006

*The adaptive value of social bonds.* Department of Biology, Ecology, and Evolution, UCLA, November 2006.

*Cooperation, cognition, and concern,* Symposium: The Co-Evolution of Behaviors and Institutions, 1-4 January 2007, Santa Fe Institute, Santa Fe, N.M. January 2007.

*Why apes don't recycle.* Symposium: Explaining Humans, Mar 10, 2007, UCSD Project for Explaining the Origin of Humans, Salk Institute for Biological Studies, La Jolla, CA,

*Why apes don't recycle.* Symposium: Understanding Other Minds and Moral Agency, April 19-21, 2007, College of the Holy Cross, Worcester, MA.

*The evidence for social bonds in primate groups.* Meetings of the American Association of Physical Anthropologists, March 29-April 1, 2007, Philadelphia, PA.

*Local resource competition and local resource enhancement in primate groups.* Center for Behavior, Evolution, and Culture, UCLA, April 2007.