

STEVEN J. C. GAULIN

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Education

B.A. with honors, University of California, Berkeley. Majors in Anthropology and Psychology, June 1972
Ph.D., Harvard University. Physical Anthropology, January 1978.

Professional Experience

1978-1983 Assistant Professor of Anthropology, University of Pittsburgh
1984-1992 Associate Professor of Anthropology, University of Pittsburgh
1987-1998 Member, Board of Directors, Human Relations Area Files
1992-2003 Professor of Anthropology, University of Pittsburgh
1996-1998 Secretary, Human Relations Area Files
1998 Senior Fellow, University of Melbourne
1998-2003 Resident Fellow, Center for Philosophy of Science, University of Pittsburgh
2000-2003 Professor of Psychology, University of Pittsburgh
2002- CoEditor-in-Chief, *Evolution and Human Behavior* (Elsevier)
2003- Professor of Anthropology, University of California, Santa Barbara

Awards for Study and Research

1975-1977 National Science Foundation Doctoral Dissertation Grant
1976-1977 L.S.B. Leakey Foundation Research Grant
1982-1983 Harry Frank Guggenheim Foundation Research Grant
1985-1987 National Science Foundation Research Grant
1988-1989 National Science Foundation Research Grant
1989-1991 National Science Foundation Fellowship
1990-1992 National Institute of Mental Health Research Grant
1994-1995 A.W.Mellon Foundation/Center for the Neural Basis of Cognition
1998 Fulbright Senior Scholar Award--Australia
2002-2003 Children's Hospital of Pittsburgh

Research Interests

Evolutionary, developmental, and neurological bases of spatial cognition
Immunological and phenotypic bases of attraction
Fat metabolism
Sexual dimorphism
Kin-biased behavior

Teaching Focus

Evolutionary psychology; physical anthropology; primate behavior; sexual selection.

Publications: Books (also appear in chronological listing)

Gaulin, S. J. C. and D. H. McBurney (2001) *Psychology: An Evolutionary Approach*. Upper Saddle River, NJ: Prentice Hall.

Gaulin, S. J. C. and D. H. McBurney (2004) *Evolutionary Psychology* (new title for second edition). Upper Saddle River, NJ: Prentice Hall (in press).

Publications: Chronological Listing

1. Gaulin, S. J. C. and J. A. Kurland (1976) "Primate predation and bioenergetics." *Science*, 191: 314-315.
2. Gaulin, S. J. C. and M. J. Konner (1977) "On the natural diet of primates, including humans." In R. Wurtman and J. Wurtman, eds. *Nutrition and the Brain*, Vol. 1 pp. 1-86. Raven Press, New York.
3. Gaulin, S. J. C. (1979) "A Jarman/Bell model of primate feeding niches." *Human Ecology*, 7: 1-20.
4. Gaulin, S. J. C. and L. E. Craker (1979) "Protein in vegetative and reproductive tissues of several neotropical species." *J. Agric. Food Chem.*, 17: 791-795.
5. Gaulin, S. J. C. (1979) "Choix des aliments et evolution." *Communications*, 31: 33-51.
6. Kurland, J. A. and S. J. C. Gaulin (1979) "Testing kin selection: Problems with r." *Behav. Ecol. Sociobiol.*, 6: 81-82.
7. Gaulin, S. J. C., D. H. Knight and C. K. Gaulin (1980) "Local variance in *Alouatta* density and food availability on Barro Colorado island." *Biotropica*, 12: 137-143.
8. Ridgely, R. S. and S. J. C. Gaulin (1980) "The birds of Finca Merenberg, Huila Department, Colombia." *Condor*, 82: 379-391.
9. Gaulin, S. J. C. (1980) "Sexual dimorphism in the human post-reproductive life span." *J. Human Evol.*, 9: 227-232.
10. Gaulin, S. J. C. and A. Schlegel (1980) "Paternal confidence and paternal investment: A cross-cultural test of a sociobiological hypothesis." *Ethol. Sociobiol.*, 1: 301-309.
11. Gaulin, S. J. C. and C. K. Gaulin (1982) "Behavioral ecology of *Alouatta seniculus* in Andean cloud forest." *Internat. J. Primatol.*, 3: 1-32.
12. Kurland, J. A. and S. J. C. Gaulin (1984) "The evolution of male parental investment: Effects of genetic relatedness and feeding ecology on the allocation of reproductive effort." In D. M. Taub, ed. *Primate Paternalism*, pp. 259-308. Van Nostrand Reinhold, New York.
13. Sailer, L. D. and S. J. C. Gaulin (1984) "Proximity, sociality, and observation: The definition of social groups." *Amer. Anthropol.*, 86: 91-98.

14. Gaulin, S. J. C. and L. D. Sailer (1984) "Sexual dimorphism in weight among the primates: The relative impact of allometry and sexual selection." *Internat. J. Primatol.*, 5: 515-535.
15. Gaulin, S. J. C. and L. D. Sailer (1985) "Are females the ecological sex?" *Amer. Anthropol.*, 87: 111-119.
16. Sailer, L. D., S. J. C. Gaulin, J. S. Boster, and J. A. Kurland (1985) "Measuring the relationship between dietary quality and body size in primates." *Primates*, 26: 14-27.
17. Gaulin, S. J. C. and J. S. Boster (1985) "Cross-cultural differences in sexual dimorphism: Is there any variance to be explained?" *Ethol. Sociobiol.*, 6: 193-199.
18. Gaulin, S. J. C. and R. W. FitzGerald (1986) "Sex differences in spatial ability: An evolutionary hypothesis and test." *Amer. Nat.*, 127: 74-88.
19. Gaulin, S. J. C. (1986) "The use and abuse of sociobiology." *Behav. Brain Sci.*, 9: 193-194.
20. Kurland, J. A. and S. J. C. Gaulin (1987) "Comparability among measures of primate diets." *Primates*, 28: 71-77.
21. Gaulin, S. J. C. (1987) "A logical structure for human sociobiology." In A. Fine and P. Machamer, eds. *PSA 1986*, Vol. 2 pp. 75-86. Philosophy of Science Assoc., E. Lansing, MI.
22. Gaulin, S. J. C. and H. A. Hoffman (1988) "Evolution and development of sex differences in spatial ability." In L. Betzig, M. Borgerhoff Mulder and P. Turke, eds. *Human Reproductive Behavior: A Darwinian Perspective*, pp. 129-152. Cambridge University Press, Cambridge.
23. Gaulin, S. J. C. and R. W. FitzGerald (1988) "Home range size as a predictor of mating systems in *Microtus*." *J. Mammal.*, 69: 311-319.
24. Gaulin, S. J. C. and R. W. FitzGerald (1989) "Sexual selection for spatial-learning ability." *Animal Behav.*, 37: 322-331.
25. Gaulin, S. J. C., R. W. FitzGerald and M. S. Wartell (1990) "Sex differences in spatial ability and activity in two vole species (*Microtus pennsylvanicus* and *M. ochrogaster*)." *J. Comp. Psychol.*, 104: 88-93.
26. Gaulin, S. J. C. and M. S. Wartell (1990) "Effects of experience and motivation on symmetrical-maze performance in *Microtus ochrogaster*." *J. Comp. Psychol.*, 104: 183-189.
27. Jacobs, L. F., S. J. C. Gaulin, D. Sherry and G. E. Hoffman (1990) "Evolution of spatial cognition: Sex-specific patterns of spatial behavior predict hippocampal size." *Proc. Nat. Acad. Sci.*, 87: 6349-6352.
28. Gaulin, S. J. C. and J. S. Boster (1990) "Dowry as female competition" *Amer. Anthropol.*, 92: 994-1005.
29. Gaulin, S. J. C. and C. Robbins (1991) "A Trivers-Willard effect in contemporary North American society." *Amer. J. Phys. Anthropol.*, 85: 61-69.
30. Gaulin, S. J. C. and J. S. Boster (1991) "Dowry and female competition: A Reply to Dickemann" *Amer. Anthropol.*, 93: 946-948.

31. Gaulin, S. J. C. (1991) "The role of cross-species studies in cross-cultural research." *Behav. Sci. Res.*, 25: 259-270.
32. Gaulin, S. J. C. and J. S. Boster (1992) "Human marriage systems and sexual dimorphism in stature." *Amer. J. Phys. Anthropol.*, 89: 467-475.

33. Sherry, D., L. F. Jacobs, and S. J. C. Gaulin (1992) "Spatial memory and adaptive specialization of the hippocampus." *Trends in Neurosci.*, 15: 298-303.
34. Gaulin, S. J. C. (1992) "Evolution of sex differences in spatial ability." *Yearbook of Physical Anthropology*, 35: 125-151.
35. Gaulin, S. J. C. and J. S. Boster (1993) "Testing explanatory models of dowry: A reply to Schlegel" *Amer. Anthropol.*, 95: 157-159.
36. Sherry, D., L. F. Jacobs, and S. J. C. Gaulin (1993) "Reply: Memory and adaptive specialization of the hippocampus." *Trends in Neurosci.*, 16: 57.
37. Gaulin, S. J. C. (1993) "How and why sex differences evolve, with spatial ability as a paradigm example." In M. Haug, R. Whalen, C. Aron and K. Olsen, eds. *The Development of Sex Differences and Similarities in Behavior*, pp. 111-130. Kluwer Academic, Dordrecht, Netherlands.
38. J. M. Regalski and S. J. C. Gaulin (1993) "Whom are Mexican infants said to resemble? Monitoring and fostering paternal confidence in the Yucatan" *Ethol. Sociobiol.*, 14: 97-113.
39. Bailey, J. M., S. J. C. Gaulin, Y. Agyei and B. Gladue (1994) "Effects of gender and sexual orientation on evolutionarily relevant aspects of human mating psychology." *J. Pers. Soc. Psych.*, 66: 1081-1093.
40. Gaulin, S. J. C. (1994) "Does evolutionary theory predict sex differences in the brain?" In M. Gazzaniga, ed. *The Cognitive Neurosciences*, pp. 1211-1225. MIT Press, Cambridge MA.
41. Gaulin, S. J. C. (1996) "Sexual selection." *Encyclopedia of Cultural Anthropology*, 1178-1182.
42. Gaulin, S. J. C. (1996) "Dowry." *Encyclopedia of Cultural Anthropology*, 359-361.
43. Gaulin, S. J. C. and J. S. Boster (1997) "Dowry as female competition" Reprint of #28, In L. Betzig, ed. *Human Nature: A Critical Reader*, pp 362-371. Oxford University Press.
44. Gaulin, S. J. C. and J. S. Boster (1997) "When are husbands worth fighting for?" In L. Betzig, ed. *Human Nature: A Critical Reader*, pp 372-374. Oxford University Press.
45. Gaulin, S. J. C., D. McBurney, and S. Brakeman-Wartell (1997) "Matrilateral biases in the investment of aunts and uncles: A consequence and measure of paternity uncertainty." *Human Nature*, 8: 139-151.
46. D. McBurney, S. Gaulin, T. Devineni and C. Adams (1997) "Superior spatial ability of women: Stronger evidence for the gathering hypothesis." *Evol. Hum. Behav.*, 18: 165-174.
47. Gaulin, S. J. C. (1997) "Cross-cultural patterns and the search for psychological mechanisms." In M. Daly (ed.) *Characterizing Human Psychological Adaptations*, pp. 195-207. John Wiley: Chichester.
48. Gaulin, S. J. C., I. Silverman, K. Phillips, and C. Reiber (1997) "Activational hormone influences on abilities and attitudes: Implications for evolutionary theory" *Evolution and Cognition*, 3: 191-199.

49. Christman, B. and S. J. C. Gaulin (1998) "Unambiguous evidence of helping at the nest in Bridled Titmice." *Wilson Bulletin* 110: 567-569.
50. Boster, J. S., R. R. Hudson, and S. J. C. Gaulin (1998) "High paternity certainties of Jewish priests." *Amer. Anthropol.* 100: 967-971.
51. Gaulin, S. J. C. (1998) Review of S. Pinker, *How the Mind Works*. *Evolution and Human Behavior* 19: 137-138.
52. McBurney, D. H. and S. J. C. Gaulin. (2000) Review of N. Wallin, B. Merker and S. Brown, *The Origins of Music*. *Evolution and Human Behavior* 21: 443-450.
53. Gaulin, S. J. C. and D. McBurney (2001) *Psychology: An Evolutionary Approach*. Upper Saddle River, NJ: Prentice Hall.
54. Gaulin, S. J. C. (2001) Review of L. Mealey, *Sex Differences: Developmental and Evolutionary Perspectives*. *Evolution and Human Behavior* 22: 369-370.
55. Gaulin, S. J. C. (2001) Review of L. Cronk, N. Chagnon, and W. Irons, *Adaptation and Human Behavior: An Anthropological Perspective*. *Evolution and Human Behavior* 22: 431-438.
56. Gaulin, S. J. C. (2001) Review of Bobbi S. Low, *Why Sex Matters*. *American Anthropologist* 103: 559-560.
57. McBurney, D. H., J. Simon, S. J. C. Gaulin, and A. Geliebter. (2002) "Matrilateral biases in the investment of aunts and uncles: Replication in a population presumed to have high paternity certainty." *Human Nature* 13: 391-401.
58. Gaulin, S. J. C., and D. A. Putz (2003) "Adaptation and Natural Selection." In D. A. Putz (ed.) *Human Sexuality: A Holistic Approach*. Dubuque: Kendall-Hunt Publishing.
59. Gaulin, S. J. C. and D. McBurney (2004) *Evolutionary Psychology*, (new title for revised edition of #53). Upper Saddle River, NJ: Prentice Hall.
60. Putz, D. A., S. J. C. Gaulin, D. H. McBurney (2004) "Sex hormones and finger length: What does 2D:4D indicate?" *Evolution and Human Behavior* 25: 182-199.
61. Kassin, S. and Gaulin, S. J. C. (2005) "Human evolution, nature and nurture." In S. Kassin, *Psychology*, fourth edition. Upper Saddle River, NJ: Prentice Hall.
62. Kurland, J. A., and S. J. C. Gaulin, (2005) "Cooperation and conflict among kin." in D. Buss (ed.) *The Handbook of Evolutionary Psychology*, pp. 447-482. John Wiley, New York
63. Puts, D. A., S. J. C. Gaulin, K. Verdolini (2006) "Dominance and the evolution of sexual dimorphism in human voice pitch." *Evolution and Human Behavior* 27: 283-296
64. Lassek, W. D., and S. J. C. Gaulin (2006) "Changes in body fat distribution in relation to parity in American women: A covert form of maternal depletion." *American Journal of Physical Anthropology* 131: 295-302.
65. Gaulin, S. J. C. (2006) "Evolutionary Psychology." In J. H. Kaas, ed. *Evolution of Nervous Systems*. Vol 4: 497-502 Elsevier, Oxford.
66. Puts, D. A., S. J. C. Gaulin, S. M. Breedlove (2006) "Sex differences in spatial ability: Evolution, hormones and the brain." In S. Platek, ed. *Evolutionary Cognitive Neuroscience*. pp. 329-379 John Wiley, New York

67. Lassek, W. D., S. J. C. Gaulin (2007) "Menarche is related to fat distribution." *American Journal of Physical Anthropology* 133: 1147-1151 (DOI: 10.1002/ajpa.20644).
68. New, J., M. M. Krasnow, D. Truxaw, S. J. C. Gaulin (2007) "Spatial adaptations for plant foraging: Women excel and calories count." *Proc. Royal Soc. B.* 274: 2679-2684. (DOI:10.1098/rspb.2007.0826).
69. Puts, D. A., C. R. Hodges, R. A. Cárdenas, S. J. C. Gaulin (2007) "Men's voices as dominance signals: Vocal fundamental and formant frequencies influence dominance attributions among men." *Evolution and Human Behavior* 28: 340-344.
70. Lassek, W. D., S. J. C. Gaulin (2008) "Waist-hip ratio and cognitive ability: Is gluteofemoral fat a privileged store of neurodevelopmental resources?" *Evolution and Human Behavior* 29: 26-34.