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## Linda Marie Fedigan

### Professional Address

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### Degrees Held

PhD, University of Texas at Austin, 1974. Biological Anthropology  
MA, University of Texas at Austin, 1971. Primatology  
BA (Honors), University of Texas at Austin, 1970. Sociocultural Anthropology  
Assoc. Arts, American College in Paris, France, 1968. French.

### Professional Positions

Canada Research Chair and Professor, Department of Anthropology, University of Calgary, Calgary Alberta, Jan. 2002 – present.  
Executive Editor, *American Journal of Primatology*, Jan 2004-Dec 2007.  
Professor, Department of Anthropology, University of Alberta, Edmonton, Alberta, 1986-2001.  
Associate Chair, Graduate Coordinator, Department of Anthropology, University of Alberta, Edmonton, Alberta, 1990-91, 1992-1996, 1999-2000.  
Affiliate Scientist, Wisconsin Primate Research Center, 1999-2001.  
Associate Professor, Department of Anthropology, University of Alberta, Edmonton, 1979-1986.  
Field Station Manager, Arashiyama West Primate Res Inst, Laredo, Tx, Aug 1978-Aug 1979.  
Assistant Professor, Department of Anthropology, University of Alberta, Edmonton, 1974-1979.  
Sessional Instructor, Department of Archaeology, University of Calgary, Alberta, 1971-1972.  
Teacher, Extension Division, University of Texas, 1971.  
Laboratory Technician, Primate Laboratory, Balcones Research Center, Austin, Texas, 1970.

### Academic Honors

Fellow of the Royal Society of Canada, 2005 - present  
Canada Research Chair, 2002- present  
Faculty of Arts Distinguished Research Award 2013  
J Gordin Kaplan Award for Excellence in Research, 1997  
YWCA Woman of Distinction Award for Women in Science & Technology, 1997  
McCalla Professorship, 1991-92  
Distinguished Visitor, Simon Fraser University, 1984  
Elizabeth R. Laird Lecturer, Memorial University, 1983  
N.S.F. Graduate Fellowship, 1973

## Research Grants

Natural Sciences and Engineering Research Council of Canada:  
 On-going Operating/Discovery Grants, 1981-present (Currently \$54,000/year)  
 University International Grant, \$12,500 (2011)  
 Canada Foundation for Innovation \$160,638 (2009-2012)  
 Japan Society for the Promotion of Science (PI: Dr. S. Kawamura; Co-investigators: L. Fedigan & F. Aureli), 2004-07 (\$50,000 Cdn/year)  
 Support for the Advancement of Scholarship Fund (Univ. of Alberta), 1983, 1985, 1987, 1998  
 Wenner-Gren Foundation Publication Grant, 1997  
 Wenner-Gren Foundation Conference Grants, 1987 and 1996  
 Central Research Fund Grant (University of Alberta), 1985, 1994  
 Conference Fund Grant (University of Alberta), 1985, 1987  
 Natural Sciences and Engineering Research Council of Canada Travel Grant, 1981  
 Social Science Federation of Canada, Aid to Publications Grant, 1981  
 National Science Foundation (team grant to Arashiyama West Institute) 1980  
 President's NRC Fund Grants (University of Alberta), 1977, 1980, 1981  
 Humanities and Social Science Research Fund Grants (University of Alberta), 1976, 1980  
 General Research Grants (University of Alberta), 1975, 1980  
 Sigma XI Grant-in-Aid of Research, 1974  
 Explorers Club Grant, 1973

## Research/Field Experience

1983-present	Longitudinal field study of 3 species of New World Monkeys, Costa Rica: white-faced capuchins, black-handed spider monkeys, mantled howlers
1972-1996	Life history research at the Arashiyama West Primate Research Institute: Japanese monkeys
1993	Field study of Japanese macaques, Yakushima, Japan
1981-1982	Field study of vervet monkeys on St. Kitts
1977	Field study of spider monkeys in Tikal National Park, Guatemala
1970-1972	University of Texas Balcones Research Center. Laboratory research on African <i>Cercopithecus</i> species

## **Current Research**

### **1. The Santa Rosa Primate Field Project**

I initiated this project in Costa Rica in 1983. My long-term goal is to describe the behavioral ecology, conservation parameters and life histories of the 3 primate species (capuchins, howlers and spider monkeys) in the park. I have conducted frequent censuses of the monkey groups throughout the 100 km<sup>2</sup> park over a 30 year period, and several groups of each species were first targeted 28 years ago for intensive, longitudinal study. We collect continuous life history data on selected female capuchins. Twenty-one advisees have completed their theses (seven doctoral, 14 masters) at the site and five more (two doctoral, three masters) are currently underway. Numerous undergraduate and graduate students have assisted in my fieldwork and been part of our research team. I employed a Costa Rican biologist year-round on the project from 1985 to 1995 and I hire many other Costa Ricans on shorter-term contracts. A documentary on our project was produced by OMNI Film Productions for the series "Champions of the Wild" (Discovery Channel). Dorothy Fragaszy, Elisabetta Visalberghi and I co-authored a book entitled *The Complete Capuchin Monkey*, published by Cambridge University Press in March 2004.

### **2. The Arashiyama West-East Primate Project**

I was associated with this Japanese monkey project in North America and Japan from its beginning in 1972 until data collection ceased in 1996. I was the Field Station Manager in 1978-79 and spent more than three years "living with" the Arashiyama macaques. My research with this population of monkeys now focuses upon analysis of the long-term database, especially reproductive and life history patterns in females. As well, I held field schools, supervised numerous graduate student thesis projects, spent time in Japan and helped to arrange exchanges with Japanese primatologists. In 1991, I co-edited a volume with Pamela Asquith (*The Monkeys of Arashiyama*, SUNY Press) that surveyed the research conducted on these macaques in Japan and North America since 1954. Since 1991, I have produced a series of papers on reproductive cessation ("menopause") in primates, co-authored with Mary Pavelka.

### **3. Gender and Science**

Beginning with an interest in how the gender of the scientist affects their research on sex differences, I moved to a wider focus on the role of gender in scientific disciplines such as anthropology, primatology and biology. Publications include papers on the role of women in models of human evolution; feminism and primatology; science and the successful female; and historical analyses of the effects of gender on changing views of life history research. I co-hosted an international Wenner-Gren conference on the role of gender, method and theory in the history of primatology, and co-edited *Primate Encounters. Models of Science, Gender and Society* with Shirley Strum (University of Chicago Press, 2000).

## **Publications:**

### **Books and Monographs:**

- 2004 Fraga D, Visalberghi E & Fedigan LM. *The Complete Capuchin. The Biology of the Genus Cebus.* Cambridge University Press.  
 Reviews of *The Complete Capuchin* appear in *Int J Primatol* 26(2):507-8 (2005); *Primates* 46:223-4 (2005); *Am J Prim* 68: 419-24(2006), *AJPA* 130: 419 (2006), *QRB* 81:406-7(2006).
- 2000 Strum SC & Fedigan LM. (eds) *Primate Encounters. Models of Science, Gender and Society.* University of Chicago Press.  
 Reviews of *Primate Encounters* appear in *Am J Primatol* 56:245-9 (2002); *Am J Phys Anthropol* 116(2):178-9 (2001); *Antiquity* 74 (2000); *Biol & Phil* 17:285-99 (2002); *Biol Digest* 27(7) (2001); *Config* (2003) 11(1): 129-32; *Ethol* 106:9 (2000); *Ethol, Ecol & Evol* 13(3) (2001); *Frankfurt A Zeitung* Feb (2001), *Gorilla* J 21(2001), *Int J Primatol* 32(1): 227-9 (2002), *Isis* 93(1): 168-9 (2002); *J Hist Beh Sci* 38(1):99-100 (2002); *Primate Eye* 75: 52-3 (2001); *Primate Tidings* 4 (2001); *Primates* 46(2): 276-9 (2001); *Times Lit Supp.* Aug 16 (2002).
- 1992 Fedigan LM. *Primate Paradigms* (Second Edition). University of Chicago Press.
- 1991 Fedigan LM & Asquith PJ. (eds) *The Monkeys of Arashiyama: 35 Years of Research in Japan and the West.* SUNY Press.  
 Reviews of *The Monkeys of Arashiyama* appear in: *Am J Phys Anthropol* 87:239-41; *Am Anth* 95:167-68; *Ethology* 93:258-64; *Primates* 33:148-150.
- 1982 Fedigan LM. *Primate Paradigms: Sex Roles and Social Bonds.* Montr: Eden Press.  
 Reviews of *Primate Paradigms* appear in: *Am Anth* 85:701-2; *Am J Phys Anthropol* 61: 269-77; *Am J Primatol* 4:99-100; *Anim Behav* 31:2; *Int J Anthropol* 12: 111-113; *Man* 18(3):607-8; *Nature* 302:359; *Psych Rep* 52:1011; *Rev in Anth* 11(2):79-87; *Science* 219:281; *Z Tierpsychol* 66(3-4):356.
- 1976 Fedigan LM. *A study of roles in the Arashiyama West troop of Japanese monkeys (Macaca fuscata).* A Monograph in the Series: *Contributions to Primatology*, volume 9. Basel: S. Karger Publishing.

### **Articles in Refereed Journals and Book Chapters:**

- In Press Fedigan, LM. Questions my mother asked me: an inside view of a thirty-year primate project in Costa Rica. In: *Primate Ethnographies*. K.B. Strier (ed.) Pearson/Prentice Hall.
- In Press Melin AM, Young HC, Mosdossy KN, Fedigan LM. Seasonality, extractive foraging and the evolution of primate sensory motor intelligence. *J Hum Evol*
- In Press Fedigan LM. A brief history of primatology in Canada. In: *The Human Voyage*, 2<sup>nd</sup> edition. A Keenleyside & R Lazenby (eds). Nelson Press.
- In Press Alberts S, Altmann J, Brockman D, Cords M, Fedigan L, Pusey A, Stoinski T, Strier K, Morris W, Bronikowski A. Reproductive cessation patterns in primates reveal that humans are distinct. *Proc Nat Acad Sci*
- 2013 Melin AM, Kline D, Hickey C, Fedigan LM. Food search through the eyes of a monkey: a functional substitution approach for assessing the ecology of primate color vision. *Vision Research* 86: 87-96.
- 2013 Campos FA & Fedigan LM. Urine washing in white-faced capuchins. A new look at an old puzzle. *Behaviour* 150: 763-798.

- 2013 Parr NA, Fedigan LM, Kutz SJ. A coprological survey of parasites in white-faced capuchins (*Cebus capucinus*) from Sector Santa Rosa, ACG, Costa Rica. *Folia primatol* 84: 102-114
- 2013 Fedigan LM & Jack KM. Sexual conflict in white-faced capuchins: it's not whether you win or lose. In: *Evolution's Empress: Darwinian Perspectives on Women*. M.L. Fisher, J.R. Garcia, R.S. Chang (eds). New York: Oxford University Press, pp. 281-303.
- 2013 Bergstrom M & Fedigan LM Dominance style of female white-faced capuchins. *AJPA* 150: 591-601. DOI: 10.1002/ajpa.22231.
- 2012 Laurence, W (and ~205 other authors including Fedigan, LM) Averting biodiversity collapse in tropical protected areas. *Nature* 289: 290-294. 13 Sept 2012. Doi:10.1038/nature11318
- 2012 Melin AD, Hiramatsu C, Fedigan LM, Schaffner CM, Aureli F, Kawamura S. Polymorphism and adaptation of primate color vision. In: *Evolutionary Biology: Mechanisms and Trends*. P.Pontarotti (ed) Berlin Heidelberg: Springer Verlag, pp. 225-241.
- 2012 Turner S, Fedigan LM, Matthews D, Nakamichi M. Disability, compensatory behavior and innovation in free-ranging adult female Japanese macaques (*Macaca fuscata*). *Am J Primatol* 74: 788-803 (May 1, 2012 in Early View)
- 2012 Gogarten J, Chapman C, Cords M, Doran-Sheehy D, Fedigan L, Grine F, Perry S, Pusey A, Sterck E, Wich S, Wright P. Seasonal mortality patterns in non-human primates: implications for variation in selection pressures across environments. *Evolution* 66-10:3252-3266
- 2012 Kawamura S, Hiramatsu C, Melin AD, Schaffner CM, Aureli F & Fedigan LM. Polymorphic color vision in primates: evolutionary considerations. In: *Post Genome Biology of Primates*. H Hirai, H Imai & Y Go (eds). Tokyo, Japan: Springer, pp. 93-120.
- 2012 Fedigan LM & Jack KM. Tracking monkeys in Santa Rosa: lessons from a regenerating tropical dry forest. In: *Long-term Field Studies of Primates*. P Kappeler & D Watts (eds) Berlin Heidelberg: Springer Verlag, pp. 165-184.
- 2012 Huffman MA, Fedigan LM, Vasey PL, Leca JB. A brief historical time-line of research on the Arashiyama macaques. In: *The Monkeys of Stormy Mountain: 60 Years of Primatological Research on the Japanese Macaques of Arashiyama*. JB Leca, MA Huffman & P Vasey (eds) Cambridge University Press, pp. 13-27.
- 2012 Pavelka MSM & Fedigan LM. Costs and benefits of old age reproduction in the Arashiyama West female Japanese macaques. In: *The Monkeys of Stormy Mountain: 60 Years of Primatological Research on the Japanese Macaques of Arashiyama*. JB Leca, MA Huffman & P Vasey (eds) Cambridge University Press, pp. 131-152
- 2012 Lynch Alfaro, JW, Matthews L, Boyette AH, Macfarlan SJ, Phillips KA, Falotic T, Ottoni E, Verderane M, Izar P, Schulte M, Melin A, Fedigan L, Janson C, Alfaro ME. Anointing variation across wild capuchin populations: a review of material preferences, bout frequency and anointing sociality in *Cebus* and *Sapajus*. *Am J Primatol* 74: 299-314 (April)
- 2011 Fedigan LM, Jack K. Two girls for every boy: the effects of group size and composition on the reproductive success of male and female white-faced capuchins. *AJPA* 144: 317-326.
- 2012 Jack KM, Sheller C, Fedigan LM. Social factors influencing natal dispersal in male white-faced capuchins (*Cebus capucinus*) *Am J Primatol* 74: 359-365 (April)
- 2011 Parr N, Melin AD, Fedigan LM. Figs are more than fallback foods: the relationship between *Ficus* and *Cebus* in a tropical dry forest. *Int J Zool* 2011 Article ID 967274, 10 pps (Open Access)
- 2011 Carnegie SD, Fedigan LM, Melin AD. Reproductive seasonality in female capuchins (*Cebus capucinus*) in Santa Rosa (Area de Conservación Guanacaste), Costa Rica. *Int J Primatol* 32: 1076-1090.
- 2011 Carnegie, SD, Fedigan LM, Ziegler T. Social and environmental factors affecting fecal glucocorticoids in wild, female white-faced capuchins (*Cebus capucinus*). *Am J Primatol* 73:861-9

- 2011 Bronikowski A, Altmann J, Brockman D, Cords M, Fedigan L, Pusey A, Stoinski T, Morris W, Strier K, Alberts S. Aging in the natural world: comparative data reveal similar morphological patterns across primates. *Science* 331: 1325-1328
- 2011 Morris W, Altmann J, Brockman D, Cords M, Fedigan L, Pusey A, Stoinski T, Bronikowski A, Alberts S, Strier, K. Low demographic variability in wild primate populations: fitness impacts of variation, covariation and serial correlation in vital rates. *Am Nat* 177: E14-E28 (Epub 30Nov 2010).
- 2011 Holmes TD, Bergstrom ML, Fedigan LM. Sleep site selection by white-faced capuchins (*Cebus capucinus*) in Santa Rosa National Park, Costa Rica. *Ecol & Environmental Anthropology* 6: 1-9.
- 2010 Pavelka MSM & Fedigan LM. Do nonhuman primate females experience menopause? In *A Human Voyage*. A Keenleyside and R. Lazenby (eds.) Toronto: Thomson Nelson Publishers.
- 2010 Fedigan LM & Pavelka MSM. Menopause: interspecific comparisons of reproductive termination in female primates. In *Primates in Perspective*, 2<sup>nd</sup> Edition. C Campbell, A Fuentes, K MacKinnon, S Bearder & R Stumpf (eds) New York: Oxford University Press, pp. 488-498
- 2010 Fedigan LM. Ethical issues faced by field primatologists: asking the relevant questions. *Am J Primatol.* 72: 754-771.
- 2010 Bergstrom ML & Fedigan LM. Dominance among female white-faced capuchin monkeys (*Cebus capucinus*): hierarchical linearity, nepotism, strength and stability. *Behaviour* 147:899-931
- 2010 Melin AD, Fedigan LM, Young HC & Kawamura S. Can color vision explain sex differences in insect foraging by capuchin monkeys? *Curr Zool* 56(3): 300-312.
- 2010 Strier K, Altmann J, Brockman D, Bronikowski A, Cords M, Fedigan L, Lapp H, Liu X, Morris W, Pusey A, Stoinski T, Alberts S. The primate life history database: a unique shared ecological data resource. *Methods in Ecology and Evolution*. 1: 199-211.
- 2010 Hiwatashi T, Okabe Y, Tsutsui T, Hiramatsu C, Melin AD, Ooota H, Schaffner C, Aureli F, Fedigan LM, Innan H, Kawamura, S. An explicit signature of balancing selection for color vision variation in New World monkeys. *Molecular Bio & Evol.* 27(2): 453-464. (Advanced Access Publication Oct 27, 2009).
- 2010 Turner SE, Fedigan LM, Nakamichi M, Matthews HD, McKenna K, Nobuhara H, Nobuhara T, Shimizu K. Birth in free-ranging Japanese macaques. *Int J Primatol* 31: 15-37.
- 2010 Valenta K & Fedigan LM. Spatial patterns of seed dispersal by white-faced capuchins: evaluation of distant-dependent seed mortality. *Biotropica*. 42(2): 223-228.
- 2009 Melin AD, Fedigan LM, Hiramatsu C, Hiwatashi T, Parr N, Kawamura S. Fig foraging by dichromatic and trichromatic white-faced capuchin monkeys in a tropical dry forest. *Int J Primatol* 30: 753-775.
- 2009 Fedigan LM. The paradox of feminist primatology. In *Women, Science and Technology* (2<sup>nd</sup> ed). M Wyer, M Barbercheck, D Giesman, H Ozturk, & M Wayne (eds.) Routledge: NY. Pp. 256-270.
- 2009 Jack K & Fedigan LM. Female dispersal in a female-philopatric species, *Cebus capucinus*. *Behaviour* 146: 437-470.
- 2009 Valenta K & Fedigan LM. Effect of gut passage, feces and seed handling on latency and rate of germination in seeds consumed by capuchins (*Cebus capucinus*). *Am J Phys Anth* 138: 486-492.
- 2009 Valenta K, Fedigan LM, Klemens J. Sleep tree use by white-faced capuchins (*Cebus capucinus*): implications for density-dependent seed and seedling mortality. *Neotropical Primates* 16: 73-76.
- 2009 Campos FA & Fedigan LM. Behavioral adaptations to heat stress and water scarcity in white-faced capuchins (*Cebus capucinus*) in Santa Rosa National Park, Costa Rica *Am J Phys Anth* 138: 101-111.

- 2008 Valenta K & Fedigan LM. How much is a lot? Seed dispersal by white-faced capuchins and implications for disperser-based studies of seed dispersal systems. *PRIMATES* 49: 169-175
- 2008 Fedigan LM. Primatologists who focus on females/gender. In *Women, Science and Myth*. S.V. Rosser (ed) ABC, CLIO, Inc: Santa Barbara, pp.357-364.
- 2008 Fedigan LM, Carnegie SD & Jack K. Predictors of reproductive success in female white-faced capuchins. *Am J Phys Anth* 137: 82-90.
- 2008 Turner SE, Fedigan LM, Nobuhara H, Nobuhara T, Matthews HD, & Nakamichi N. Monkeys with disabilities: prevalence, severity and survival of *Macaca fuscata* with limb malformations on Awaji Island. *PRIMATES* 49: 223-226.
- 2008 Jack K, Lenz B, Healan S, Rudman V, Schoof V, Fedigan, L. The effects of observer presence on the behavior of *Cebus capucinus* in Costa Rica. *Am J Primatol* 70(5): 490-494.
- 2008 Young H, Fedigan LM, Addicott JF. Look before leaping: foraging selectivity of capuchin monkeys on acacia trees in Costa Rica. *Oecologia* 155:85-92.
- 2008 Melin A, Fedigan LM, Hiramatsu C & Kawamura S. Polymorphic color vision in white-faced capuchins (*Cebus capucinus*): is there foraging niche divergence among phenotypes? *Beh Ecol Sociobiol* 62:659-670.
- 2007 Digweed SM, Fedigan LM & Rendall D. Who cares who calls: selective responses to the lost calls of socially dominant group members in the white-faced capuchin, *Am J Primatol* 69(7): 829-835.
- 2007 McCabe GM & Fedigan LM. Effects of reproductive status on energy intake, ingestion rates and dietary composition of female white-faced capuchins (*Cebus capucinus*) at Santa Rosa, Costa Rica. *Int J Primatol* 28(4): 837-851.
- 2007 Melin A, Fedigan LM, Hiramatsu C, Sendall C, & Kawamura S. Effect of color vision phenotype on insect capture by a free-ranging population of white-faced capuchins. *Anim Behav* 73: 205-214.
- 2007 Fedigan LM & Pavelka MSM. Reproductive cessation in female primates: comparisons of Japanese macaques and humans. In: *Primates in Perspective*. C Campbell, A Fuentes, K MacKinnon, M Panger and S Bearder (eds) Oxford University Press, pp.437-447.
- 2006 O'Neill A, Fedigan LM & Ziegler T. Hormonal correlates of post-conceptive mating in female Japanese macaques. *Lab Prim News* 45(3):1-4.
- 2006 DeGama H & Fedigan LM. Effects of forest fragment area, isolation, age, habitat type and water availability on monkey density in a tropical dry forest. In: *New Perspectives in the Study of Mesoamerican Primates: Distribution, Ecology, Behavior and Conservation*. A Estrada, P Garber, M Pavelka and L Luecke (eds) Kluwer Press, pp.165-188.
- 2006 Jack K & Fedigan LM. Why be alpha male? Dominance and reproductive success in wild white-faced capuchins (*Cebus capucinus*). In: *New Perspectives in the Study of Mesoamerican Primates: Distribution, Ecology, Behavior and Conservation*. A Estrada, P Garber, M Pavelka and L Luecke (eds) Kluwer Press, pp.367-386.
- 2006 Carnegie S, Fedigan LM & Ziegler T. Post-conceptive mating in white-faced capuchins: hormonal and sociosexual patterns in cycling, non-cycling and pregnant females. In: *New Perspectives in the Study of Mesoamerican Primates: Distribution, Ecology, Behavior and Conservation*. A Estrada, P Garber, M Pavelka and L Luecke (eds) Kluwer Press, pp.387-409.
- 2005 Hiramatsu C, Tsutsui T, Matsumoto Y, Aureli F, Fedigan LM, Kawamura S. Color vision polymorphism in wild capuchins (*Cebus capucinus*) and spider monkeys (*Ateles geoffroyi*). *Am J Primatol* 67(4):447-462.
- 2005 Digweed S, Fedigan LM & Rendall D. Variable specificity in the anti-predator vocalizations and behavior of the white-faced capuchin, *Cebus capucinus*. *Behaviour* 142(8):997-1021.
- 2005 O'Malley RC & Fedigan LM. Variability in food processing behavior among white-faced capuchins (*Cebus capucinus*) in Santa Rosa National Park, Costa Rica. *Am J Phys Anthropol* 128(1):63-73.

- 2005 O'Malley RC & Fedigan LM. Evaluating social influences on food processing behavior in white-faced capuchins (*Cebus capucinus*). *Am J Phys Anthropol* 127(4):481-491.
- 2005 Carnegie SD, Fedigan LM & Ziegler T. Behavioral indicators of ovarian phase in white-faced capuchins (*Cebus capucinus*). *Am J Primatol* 67(1):51-68.
- 2005 Fedigan LM. Primateology is an equal-opportunity science. In: *Gendered Intersections: An Introduction to Women's and Gender Studies*. CL Biggs and PJ Downe (eds) Fernwood Publishing, pp.362-366.
- 2004 Fedigan LM. Zen and the art of monkey-watching. In: *Encyclopedia of Animal Behavior*. M Bekoff (ed) Greenwood Press, pp.763-766.
- 2004 O'Neill A, Fedigan LM & Ziegler T. The relationship between ovarian cycle phase and sexual behavior in female Japanese macaques. *Am J Phys Anthropol* 125(4):352-362.
- 2004 Fedigan LM & Jack K. The demographic and reproductive context of male replacements in *Cebus capucinus*. *Behaviour* 141:755-775.
- 2004 O'Neill A, Fedigan LM & Ziegler T. Ovarian cycle phase and same-sex mating behavior in Japanese macaque females. *Am J Primatol* 63(1):25-31.
- 2004 Jack K & Fedigan LM. Male dispersal patterns in white-faced capuchins (*Cebus capucinus*) Part 1: patterns and causes of natal emigration. *Anim Behav* 67(4):761-769.
- 2004 Jack K & Fedigan LM. Male dispersal patterns in white-faced capuchins (*Cebus capucinus*) Part 2: patterns and causes of secondary dispersal. *Anim Behav* 67(4):771-782.
- 2003 Perry S, Panger M, Rose L, Baker M, Gros-Louis J, Jack K, MacKinnon K, Manson J, Fedigan L & Pyle K. Traditions in wild white-faced capuchin monkeys. In: *The Biology of Traditions: Models and Evidence*. D Fragaszy and S Perry (eds) Cambridge University Press, pp.391-425.
- 2003 Fedigan LM. The impact of male take-overs on infant deaths, births and conceptions in *Cebus capucinus* at Santa Rosa, Costa Rica. *Int J Primatol* 24(4):723-41.
- 2003 Perry S, Baker M, Fedigan L, Gros-Louis J, Jack K, MacKinnon K., Manson J, Panger M, Pyle K & Rose L. Social conventions in wild white-faced capuchin monkeys: evidence for traditions in a neotropical primate. *Curr Anth* 44(2):241 -268.
- 2002 Pavelka MSM, Fedigan LM & Zohar S. Availability and adaptive value of reproductive and post-reproductive Japanese macaque mothers and grandmothers. *Anim Behav* 64:407-14.
- 2001 Fedigan LM & Jack K. Neotropical primates in a regenerating Costa Rican dry forest. *Int J Primatol* 22(5):689-713.
- 2001 Fedigan LM. The paradox of feminist primatology - the Goddess's Discipline? In: *Feminism in Twentieth Century Science, Medicine and Technology*. A Creager, E Lunbeck and L Schiebinger (eds) University of Chicago Press, pp.46-72.
- 2001 Fedigan LM & Pavelka MSM. Is there adaptive value to reproductive termination in Japanese macaques? A test of maternal investment hypotheses. *Int J Primatol* 22(2):109-125.
- 2000 Fedigan LM. A view on the science: physical anthropology at the millennium. *Am J Phys Anthropol* 113(4):451-454.
- 2000 Fedigan LM. Gender Encounters. In: *Primate Encounters: Models of Science, Gender and Society*. SC Strum and LM Fedigan (eds) University of Chicago Press, pp.498-520.
- 2000 Strum SC & Fedigan LM. Changing views of primate society: a situated North American perspective. In: *Primate Encounters: Models of Science, Gender and Society*. SC Strum and LM Fedigan (eds) University of Chicago Press, pp.3-49.
- 2000 Strum SC & Fedigan LM. The future of primates and primate studies. In *Primate Encounters: Models of Science, Gender and Society*. SC Strum and LM Fedigan (eds) University of Chicago Press, pp.523-540.

- 2000 Sorensen T & Fedigan LM. Distribution of three monkey species along a gradient of regenerating tropical dry forest. *Biological Conservation* 92:227-240.
- 2000 Fedigan LM. Primatology. In: *Routledge International Encyclopedia of Women's Studies*. C Kramerae and D Spender (eds) New York: Routledge Press, pp.1668-1690.
- 1999 Pavelka MSM & Fedigan LM. Reproductive termination in female Japanese monkeys: a comparative life history perspective. *Am J Phys Anthropol* 109(4):455-464.
- 1999 Fedigan LM & Strum SC. A brief history of primate studies: national traditions, disciplinary origins, and stages in North American field research. In: *The Nonhuman Primates*. P Dolhinow and A Fuentes (eds.) Mayfield Press, pp.258-269.
- 1999 Strum SC & Fedigan LM. Theory, method, gender and culture: what changed our views of primate society? In: *The New Physical Anthropology*. SC Strum and DG Lindburg (eds) Prentice Hall, pp.67-105.
- 1998 Fedigan LM, Rose LM & Avila RM. Growth of mantled howler groups in a regenerating Costa Rican dry forest. *Int J Primatol* 19:405-432.
- 1997 Fedigan LM & Strum SC. Changing images of primate societies. *Curr Anth* 38: 677-681.
- 1997 Hall CL & Fedigan LM. Spatial benefits afforded by high rank in white-faced capuchins. *Anim Behav* 53:1069-1082.
- 1997 Fedigan LM. Is primatology a feminist science? In: *Women in Human Evolution*. L Hager (ed.) Routledge Press, pp.56-75.
- 1997 Fedigan LM. Changing views of female life histories. In: *The Evolving Female: A Life History Perspective*. ME Morbeck, A Galloway and AL Zihlman (eds.) Princeton, N.J.: Princeton University Press, pp.15-26.
- 1997 Gould L, Fedigan LM & Rose LM. Why be vigilant? The case of the alpha animal. *Int J Primatol* 18:401-414.
- 1996 Fedigan LM & Zohar S. Sex differences in mortality of Japanese macaques: 21 years of data from the Arashiyama West population. *Am J Phys Anthropol* 102:161-175.
- 1996 Fedigan LM, Rose LM, & Avila RM. See how they grow: tracking capuchin monkey populations in a regenerating Costa Rican dry forest. In: *Adaptive Radiations of Neotropical Primates*, M. Norconk, A. Rosenberger and P. Garber (eds) Plenum Publishing, pp.289-307.
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- 1996 Fedigan LM & Griffin L. Determinants of reproductive seasonality in Japanese macaques. In: *Evolution and Ecology of Macaque Societies*. JE Fa and DG Lindburg (eds) Cambridge: Cambridge University Press, pp.368-87.
- 1995 Rose LM & Fedigan LM. Vigilance in white-faced capuchins, *Cebus capucinus*, in Costa Rica. *Anim Behav* 49: 63-70.
- 1995 Fedigan LM & Rose LM. Interbirth interval variation in three sympatric species of neotropical monkeys. *Am J Primatol* 37:9-24.
- 1994 Fedigan LM & Pavelka MSM. The physical anthropology of menopause. In: *Strength in Diversity: A Reader in Physical Anthropology*. A Herring and L Chan (eds) Cdn Scholars Press, pp.103-126.
- 1994 Fedigan LM. Science and the successful female: Why there are so many women primatologists. *American Anthropologist* 96:529-40.

- 1993 Fedigan LM. Sex differences and intersexual relations in adult white-faced capuchins (*Cebus capucinus*). *Int J Primatol* 14:1-25.
- 1993 Fedigan LM. The changing role of women in models of human evolution. In: *The Human Evolution Sourcebook*. RL Ciocchon and JG Fleagle (eds) Englewood Cliffs: Prentice Hall, pp.243-259 (reprinted from 1986 paper).
- 1992 Fedigan LM. Neither a genre of feminism or of ethical naturalism: primatology as a source of naturalistic truth and fallacy. *Politics and the Life Sciences* 11:172-74.
- 1992 Fedigan LM & Asquith PJ. The history of Arashiyama research as a microcosm of larger trends in primatology. In: *Topics in Primatology*, Vol. 2, Behavior, Ecology and Conservation. N Itoigawa, Y Sugiyama, GP Sackett, and RKR. Thompson (eds) Tokyo: University of Tokyo Press, pp 67-77.
- 1992 Fedigan LM. Preface. In: *Social Processes and Mental Abilities in Non-human Primates*. FD Burton (ed) Lewiston: Edwin Mellen Press, pp.III-IV.
- 1992 Fedigan LM. The role of women in models of human evolution. In: *Inventing Women*. G Kirkup and LS Keller (eds), Cambridge U.K.: Polity Press, pp.102-22 (reprinted from 1986 paper).
- 1991 Pavelka MSM & Fedigan LM. Menopause. A comparative life history perspective. *Yearbook of Physical Anthropology* 34:13-38.
- 1991 Glander K, Fedigan LM, Fedigan L & Chapman C. Field methods for capture and measurement of three monkey species in Costa Rica. *Folia primatol* 57:70-82.
- 1990 Fedigan LM. Vertebrate predation in *Cebus capucinus*: meat-eating in a neotropical monkey. *Folia primatol* 54: 196-205.
- 1990 Chapman C & Fedigan LM. Dietary differences between neighboring *Cebus capucinus* groups: local traditions, food availability or response to food profitability? *Folia primatol* 54:177-186.
- 1989 Fedigan LM & Fedigan L. Gender and the Study of Primates. In: *Gender and Anthropology: Critical Reviews for Teaching and Research*. S. Morgan (ed) Washington, D.C.: American Anthropological Association, pp.44-67.
- 1989 Chapman C, Fedigan LM, Fedigan L & Chapman LJ. Post-weaning resource competition and sex ratios in spider monkeys. *Oikos* 54:315-319.
- 1988 Fedigan L & Fedigan LM. *Cercopithecus aethiops*: a review of field studies. In: *A Primate Radiation. Evolutionary Biology of the African Guenons*. A Gautier - Hion, F Bourliere, JP Gautier, J Kingdon (eds) Cambridge: Cambridge University Press, pp.389-411.
- 1988 Chapman C, Fedigan LM, & Fedigan L. Ecological and demographic influences on the pattern of association in St. Kitts vervets. *Primates* 29:417-421.
- 1988 Chapman C, Fedigan LM & Fedigan L. A comparison of transect methods of estimating population density of Costa Rican primates. *Brenesia* 30:67-80.
- 1988 Fedigan LM, Fedigan L, Chapman C, & Glander K. Spider monkey home ranges: a comparison of radio telemetry and direct observation. *Am J Primatol* 16:19-29.
- 1986 Fedigan LM. The changing role of women in models of human evolution. *Ann Rev Anthropol* 15:25-66.
- 1986 Fedigan LM. Demographic trends in the *Alouatta palliata* and *Cebus capucinus* populations in Santa Rosa Park, Costa Rica. In: *Primate Ecology and Conservation*. J Else and PC Lee (eds) Cambridge: Cambridge University Press, pp.285-293.
- 1986 Fedigan LM, Fedigan L, Gouzoules H Gouzoules S, & Koyama N. Lifetime reproductive success in female Japanese macaques. *Folia primatol* 47:143-157.
- 1985 Fedigan LM, Fedigan L & Chapman CA. census of *Alouatta palliata* and *Cebus capucinus* monkeys in Santa Rosa National Park, Costa Rica. *Brenesia* 23:309-322.

- 1984 Chapman C & Fedigan LM. Territoriality in the St. Kitts vervet monkey. *J Human Evolution* 14:1-10.
- 1984 Gouzoules H, Fedigan LM, Gouzoules S, & Fedigan, L. Comments on reproductive senescence among female Japanese macaques. *Journal of Mammalogy* 65:341-342.
- 1984 Fedigan LM, Fedigan L, & Chapman CA. demographic model of colonization by a population of St. Kitts vervet monkeys. *Folia primatol* 42:194-202.
- 1984 Fedigan LM & Baxter J. Sex differences and social organization in free-ranging spider monkeys (*Ateles geoffroyi*) at Tikal, Guatemala. *Primates* 25(3):279-294.
- 1984 Fedigan LM. Sex ratios and sex differences in primatology. *Am J Primatol* 7:305-308.
- 1984 Lucotte G, Fedigan LM & Fedigan L. Effets d'echantillonage sur la variation electrophoretique chez *Macaca fuscata*. *Biochem Syst Ecol* 12:349-351.
- 1983 Fedigan LM, Gouzoules H & Gouzoules S. Population dynamics of Arashiyama West Japanese Monkeys. *Int J Primatol* 3:307-321.
- 1983 Fedigan LM. Dominance and reproductive success in primates. *Yearbook of Phys Anth* 26:85-123.
- 1982 Gouzoules H, Gouzoules S & Fedigan LM. Behavioral dominance and reproductive success in female Japanese monkeys (*Macaca fuscata*). *Anim Behav* 30:1138-1150.
- 1981 Gouzoules H, Gouzoules S & Fedigan LM. Japanese monkey group translocation: effects on seasonal breeding. *Int J Primatol* 2:323-334.
- 1979 Baxter J & Fedigan LM. Grooming and consort partner selection in a troop of Japanese monkeys (*Macaca fuscata*). *Archives of Sexual Behavior* 8:445-458.
- 1978 Fedigan LM & Gouzoules H. The consort relationship in a troop of Japanese monkeys, In: *Recent Advances in Primatology*. DJ Chivers (ed) London: Academic Press, pp.493-495.
- 1976 Fedigan LM & Fedigan L. The social development of a handicapped infant in a free-living troop of Japanese monkeys. In: *Primate Biosocial Development*. FE Poirier and S Chevalier-Skolnikoff (eds) New York: Garland Press, pp.205-222.
- 1975 Gouzoules H, Fedigan LM & Fedigan L. Responses of a transplanted troop of Japanese macaques (*Macaca fuscata*) to bobcat (*Lynx rufus*) predation. *Primates* 16:335-349.
- 1975 Joiner GN, Russell LH, Bush DE, Gleiser CA, Johnson TD, Fedigan L & Fedigan LM. A spontaneous neuropathy of free-ranging Japanese macaques. *Lab Animal Science* 25:232-237.
- 1972 Fedigan LM. Roles and activities of male geladas (*Theropithecus gelada*). *Behaviour* 41:82-90.
- 1972 Fedigan LM. Social and solitary play in a colony of vervet monkeys (*Cercopithecus aethiops*). *Primates* 13:347-364.

## **Courses Taught**

- |   |  |
|---|--|
| Introduction to Anthropology (General)  | Professional Skills (graduate seminar)         |
| Introduction to Physical Anthropology   | Evolution and Social Life (graduate seminar)   |
| Introduction to Primate Behavior        | Primate Conservation (graduate seminar)        |
| Gender and Anthropology                 | Primate Ecology (graduate seminar)             |
| Problems in Primate Behavior (Advanced) | Sex Socialization (graduate seminar)           |
| Field Methods in Primate Studies        | Sex Differences in Primates (graduate seminar) |
| History of Primatology                  | Hominid Evolution                              |

## **Postdoctoral Supervision**

- 2012-2014 Dr. E Wikberg (co-supervised)  
1996-1997 Dr. S. Perry

1994-1996 Dr. L. Gould  
1985-1987 Dr. P. Asquith

## Student Thesis Supervision

- In progress Bergstrom, M. "Behavioral and physiological correlates of dominance among female white-faced capuchins, PhD dissertation, U of C.
- In progress Campos FA "Movement ecology of white-faced capuchins." PhD dissertation, U of C.
- In progress Sargeant E "Infant handling in white-faced capuchins" MA thesis, U of C.
- In progress Hogan, J. "Evaluating capuchin/flower interactions in a tropical dry forest", MA thesis, UofC
- 2013 Mosdossy K "Insect abundance in relation to capuchin foraging." MA thesis, U of C
- 2011 Carnegie, S. "Reproductive behaviour & endocrinology of female white-faced capuchins", PhD dissertation, U of C.
- 2011 Melin, A. "Polymorphic colour vision and foraging in white-faced capuchins: insights from field research and simulations of monkey vision."PhD dissertation, U of C.
- 2011 Parr, N. "Predictors of parasitism in wild white-faced capuchins." MA thesis, U of C.
- 2010 Turner, S. "Consequences of congenital limb malformations and disability in adult female Japanese macaques (*Macaca fuscata*)", PhD dissertation, U of C.
- 2009 Bergstrom, M. "Dominance among female white-faced capuchins," MA thesis, U of C.
- 2008 Campos, F. "Behavioral thermoregulation and urine-washing in white-faced capuchins at Santa Rosa National Park", MA thesis, U of C.
- 2007 Valenta, K. "Quantity, quality & spatial patterns of seed dispersal by *C.capucinus*" MA thesis
- 2005 Melin, A. "Effects of color vision phenotype on insect foraging and niche preference in *Cebus capucinus*", MA thesis, U of C.
- 2005 McCabe, G. "Diet and nutrition in white-faced capuchins: effects of group, sex and reproductive state", MA thesis, U of C.
- 2005 Young, H. "Sharp spines and toxic stings: how capuchins overcome the defense mechanisms of invertebrates in Costa Rica", MA thesis, U of C.
- 2005 DeGama, H. Forest fragmentation and the monkeys of Area de Conservation Guanacaste, Costa Rica", MA thesis, U of C.
- 2004 Digweed, S. "Function and mechanism of alarm calls, lost calls and contact calls in white-faced capuchins", MA thesis, U of C.
- 2004 Carnegie, S. "The relationship between ovarian hormones and behavior in female white-faced capuchins, *Cebus capucinus*", MA thesis, U of A.
- 2002 O'Malley, R. "Variability in foraging and food-processing techniques among white-faced capuchins in Santa Rosa National Park, Costa Rica," MA thesis, U of A.
- 2001 Jack, K. "Life history patterns of male white-faced capuchins", PhD dissertation, U of A.
- 2001 Wong, J. "Social relationships in Western lowland gorillas", Honour's thesis, U of A.
- 2000 O'Neill, A. "Relationship between behavior & hormones in Japanese macaques", MA thesis, U of A.
- 1999 Paulus, J. "Play partner choice in captive Western lowland gorillas", Honour's thesis (co-supervised), U of A.
- 1999 Patayanikorn, R. "Can primates be saved? Alternative actions to combat primates in conflict with humans", Honour's thesis, U of A.

- 1998 Sorensen, T.C. "Tropical dry forest regeneration and its influence on three species of Costa Rican monkeys", MA thesis (co-supervised), U of A.
- 1997 Sivertson, L. "The reception of a feminist critique of science: *Primate Visions* (1989) revisited", MA thesis (co-supervised), U of A.
- 1996 Larose, F. "Foraging strategies, group size, and food competition in neighboring troops of howler monkeys, *Alouatta palliata*", Ph.D. dissertation, U of A.
- 1996 Ellis, C. "Patterns of affiliative behavior in uterine groups of rhesus monkeys", Honour's thesis, U of A.
- 1996 O'Neill, A. "Life after the lab: the viability of reintroduction for macaques", Honour's thesis.
- 1995 Hall, C. "Dominance and foraging in white-faced capuchins", MA thesis, U of A.
- 1995 MacKinnon, K. "Age differences in foraging patterns and spatial associations of the white-faced capuchin, (*Cebus capucinus*) in Costa Rica", MA thesis, U of A.
- 1994 Goforth, C. "Primateology and the evolution of political behavior", Honour's thesis, U of A.
- 1994 Kaufman, R. "The nature of agonism and dominance and their relationship to social grooming in the brown lemur, *Eulemur fulvus*", Ph.D. dissertation, U of A.
- 1992 Rose, L. "Sex differences in foraging behavior and benefits and costs of resident males in white-faced capuchins", MA thesis, U of A.
- 1991 Collinge, N. "The development of social cognition in four species of nonhuman primates", Ph.D. dissertation, U of A.
- 1991 Pizzi, L.M. "The langur (*Presbytis entellus*) debate: an exploration of the controversy over the sexual selection versus social pathology perspective", Honour's thesis, U of A.
- 1990 Allen, C. "Intersexual dominance relations in the genus *Lemur*", Honour's thesis, U of A.
- 1989 Gould, L. "Infant social development and alloparenting in free-ranging *Lemur catta*", MA thesis, U of A.
- 1988 Vasey, P. "Social exchange, reciprocal altruism and sexual division of labour in primates", Honour's thesis, U of A.
- 1988 Lanigan, C. "Speciation, kin identification and DNA polymorphisms in *Macaca fuscata*", MA thesis, U of A.
- 1988 McDonald, M. "Aging in female Japanese monkeys: Primate contributions to gerontology", Ph.D. dissertation, U of A.
- 1987 Chapman, C. "Foraging strategies and group size in primates", Ph.D. dissertation, U of A.
- 1985 Collinge, N. "Variability in weaning-related behaviors in mothers and infants in semi-free ranging Japanese macaques", MA thesis, U of A.
- 1984 Bullard, J., "Mount-prompting behaviors of female Japanese macaques", MA thesis, U of A.
- 1983 Chapman, C. "Behavioral ecology of the St. Kitts vervet", MA thesis, U of A.
- 1983 McDonald, M. "The courtship behavior of female Japanese monkeys", MA thesis, U of A.
- 1980 Bolin, I. "Parental behavior - a socialization process in groups of *Alouatta palliata pigra* in natural environments in Belize and Guatemala", MA thesis, U of A.
- 1979 Allan, B. "Sex differences in mother-infant interactions in a Japanese macaque troop", Honour's thesis, U of A.
- 1979 Baxter, J. "Behavioral Patterns relating to age and sex in free-ranging spider monkeys in Tikal National Park, Guatemala", MA thesis, U of A.

## **University Committee and Administrative Experience**

### **Selected University and Faculty Committees Experience (U of C & U of A)**

Arts Faculty Council  
Arts Representative to Faculty of Science Council  
Arts Research & Scholarship Committee  
Chair Selection Committee  
Dean's Advisory Council, Faculty of Graduate Studies & Research  
Faculty of Graduate Studies General Council  
Faculty Evaluation Committee  
General Faculties Council  
Graduate Assistantship Policy Committee  
Graduate Scholarship Committee  
Institute Review Steering Committee  
Killam Scholarship Committee  
Tenure Review Committees, Faculty of Social Sciences  
University Collections  
University Committee on Human Research Ethics  
University Library Committee  
Vice-President's Advisory Committee on Women  
Vice-President's Representative on Chair Selection Committees  
WISEST (Women in Scholarship, Engineering, Science and Technology)  
Women's Studies Executive Committee

### **Selection of Departmental positions & committees:**

Associate Chair/ Acting Chair	Graduate Coordinator
Audio/Video Supervisor	Graduate Awards Committee
Research/Programs Coordinator	Graduate Programs Committee
Computer Committee	Graduate Admissions Committee
Curriculum Committee	Ethics Review Committee
Degree Requirements Committee	Library Representative
Honours Committee	Staff Selection Committees
Laboratory/Collections Committee	Visiting Speakers Committee

## **Membership in Professional Societies**

American Association of Physical Anthropology  
American Society of Primatologists  
Animal Behavior Society  
Canadian Association for Physical Anthropology  
International Primatological Society  
Primate Specialist Group, International Union for the Conservation of Nature (IUCN)  
Royal Society of Canada  
Sigma XI  
WISEST (Women in Science, Engineering, Society and Technology)

## **Other Selected Professional Activities**

### **Offices Held:**

Member, Nominations Committee, Royal Society of Canada (Sept 2009-2012)  
Member, Advisory Council, Wenner-Gren Foundation (Sept 2007-2011)  
Member, Publications Committee, Am Soc of Primatology (Jan 2004 –2010)  
Executive Editor, American Journal of Primatology (Jan 2004-Dec 2007)  
Associate Editor, American Journal of Primatology (2002 - 2003)  
Associate Editor, American Journal of Physical Anthropology (1995 - 2000)  
Associate Editor, PRIMATES (2003-2005)  
Editorial Board, PRIMATES (1990 - 2005)  
Editorial Board, International Journal of Primatology (1990 - 2002)  
Editorial Board, Yearbook for the American Association of Physical Anthropology (1984-1995)  
Editorial Board, Canadian Review of Physical Anthropology (1979 - 1982)  
Scientific Advisory Board, Arashiyama West Primate Research Institute (1980 - 1996)

### **Conferences Hosted:**

Member, 2007 Local Host Committee, Canadian Association for Physical Anthropology  
Member, 2003 Local Host Committee, American Society of Primatologists  
Co-Host, 1996 Wenner-Gren sponsored international conference: science, gender & society  
Co-Host, 1992 Meetings of the Canadian Association for Physical Anthropology  
Co-Host, 1987 Wenner-Gren sponsored international conference of primatologists  
Co-Host, 1984 Meetings of the Canadian Association for Physical Anthropology

### **Review manuscripts for publication in:**

American Anthropologist  
American Journal of Physical Anthropology  
American Journal of Primatology  
Animal Behaviour  
Behaviour  
The Brain and Behavioral Sciences  
Biotropica  
Current Anthropology  
Ethology  
International Journal of Primatology  
Primates  
Signs  
Yearbook of Physical Anthropology

**Review grant proposals for:**

Association of Universities and Colleges of Canada  
L.S.B. Leakey Foundation  
National Geographic Society  
National Science Foundation  
Natural Sciences and Engineering Research Council of Canada  
Social Sciences and Humanities Research Council  
Wenner-Gren Foundation for Anthropological Research