

Curriculum Vitae Anthony Di Fiore

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ADDRESS

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EDUCATION

- 1997 **Ph.D., Anthropology.** University of California, Davis, CA, USA
Dissertation: Ecology and Behavior of Lowland Woolly Monkeys (*Lagothrix lagotricha poeppigii*, Atelinae) in Eastern Ecuador
- 1991 **M.A., Anthropology.** University of California, Davis, CA, USA
- 1990 **B.S., Biological Sciences (Ecology and Evolution),** with honors and distinction. Cornell University, Ithaca, NY, USA

TEACHING EXPERIENCE

- 2006-present **Associate Professor,** Biological Anthropology, New York University
- 2000-2006 **Assistant Professor,** Biological Anthropology, New York University
- 1998-2000 **Instructor,** Biology, University of Maryland, College Park

RESEARCH EXPERIENCE

- 2009-present **Population genetics and conservation status of the critically endangered brown spider monkey, *Ateles hybridus*.** Magdalena Valley, Colombia and Molecular Anthropology Laboratory, New York University
- 2008-present **Survey and population genetics of the critically endangered yellow-tailed woolly monkey.** Alto Mayo, Peru and Molecular Anthropology Laboratory, New York University
- 2008-present **Population genetics and mating systems of the endangered northern muriqui.** Molecular Anthropology Laboratory, New York University
- 2006-present **Paternity and male-female social relationships in chacma baboons of the Okavango Delta, Botswana.** Molecular Anthropology Laboratory, New York University
- 2002-present **Comparative socioecology of monogamous neotropical primates in the Ecuadorian Amazon and Argentine Gran Chaco.** Yasuní National Park, Ecuador and Formosa, Argentina

- 2002-present **Molecular phylogenetics of New World monkeys.** Molecular Anthropology Laboratory, New York University
- 2001-present **Microsatellite marker development and screening for multiple genera of neotropical primates.** Molecular Anthropology Laboratory, New York University
- 1998-present **Paternity and incest avoidance in cooperatively-breeding golden lion tamarins.** Molecular Genetics Laboratory, National Zoological Park, Smithsonian Institution and Molecular Anthropology Laboratory, New York University
- 1998-present **Population genetic structure, dispersal patterns, and mating systems of sympatric ateline primates in eastern Ecuador.** Molecular Genetics Laboratory, National Zoological Park, Smithsonian Institution and Molecular Anthropology Laboratory, New York University
- 1994-present **Comparative socioecology of a neotropical primate community.** Yasuní National Park, Ecuador
- 2007 **Survey of primates in the Reserva Comunal Tamshiyacu-Tahuayo, Peru.** Area de Conservación Regional Comunal de Tamshiyacu-Tahuayo, Peru
- 1998-2000 **Microsatellite marker development for three genera of neotropical primates.** Molecular Genetics Laboratory, National Zoological Park, Smithsonian Institution and University of Maryland, College Park, Department of Biology (NSF Research Training Grant Postdoctoral Fellow)
- 1994-1997 **Foraging ecology, behavior, and social organization of lowland woolly monkeys (*Lagothrix poeppigii*) and phenology of an Amazonian terra firme forest in Yasuní National Park, Ecuador.** Department of Anthropology, University of California, Davis
- 1991-1994 **Surveys of primate communities in east Andean and Amazonian Ecuador.** Department of Anthropology, University of California, Davis
- 1989 **Activity budgets and nesting behavior of aye-ayes (*Daubentonia madagascariensis*).** Duke University Primate Center, Duke University

GRANTS RECEIVED or PENDING

- 2009-present **University Research Challenge Fund, New York University (with Prof. Tom Igoe).** “Wired” monkeys: Developing physical computing products for wildlife biology. \$17,466
- 2009-present **Curricular Development Challenge Fund, New York University (with Prof. Tom Igoe).** Wildlife observation and sensing: Interactive telecommunications in the natural world. \$6,655
- 2009-present **National Science Foundation Physical Anthropology Program (Doctoral Dissertation Improvement for Alba Morales).** Phylogeny and phylogeography of the Mesoamerican spider monkeys (*Ateles geoffroyi* and *Ateles fusciceps*). \$15,000
- 2008-present **L.S.B. Leakey Foundation (with Dr. Eduardo Fernandez-Duque).** Male-female relationships and biparental care in titi monkeys of Ecuador. \$8,890
- 2008-present **National Science Foundation Physical Anthropology Program (Doctoral Dissertation Improvement for Christopher Schmitt).** Assessing the Interaction of Risk Aversion and Social Organization in Juvenile Primates. \$11,590
- 2008-present **National Science Foundation Physical Anthropology Program (with Dr. Jessica Lynch Alfaro, Dr. Michael Alfaro, and Dr. Link Olson).** Phylogeography of capuchins, squirrel monkeys and owl monkeys: A critical comparative framework for studying evolution, behavioral ecology, and conservation in Neotropical primates. \$488,097

- 2008-present **National Geographic Society (with Dr. Eduardo Fernandez-Duque).** Male-female relationships and biparental care in socially monogamous titi monkeys (*Callicebus discolor*). \$19,610
- 2007-present **Wenner-Gren Foundation for Anthropological Research.** Kinship, behavior, and social structure in atelin primates. \$23,500
- 2007-2009 **L.S.B. Leakey Foundation.** Kinship, behavior, and social structure in western Amazonian ateline primates. \$20,340
- 2007-2008 **National Science Foundation Physical Anthropology Program (Doctoral Dissertation Improvement for Andres Link).** Social and ecological determinants of fission-fusion sociality in *Ateles belzebuth* in Ecuador. \$14,728
- 2006-2007 National Science Foundation Physical Anthropology Program (Doctoral Dissertation Improvement for Michael Montague). A behavioral and genetic study of color vision polymorphism in squirrel monkeys. \$11,650
- 2006-2007 **National Science Foundation Physical Anthropology Program (with Dr. Susan Antón).** Workshop Grant for “New Directions in Physical Anthropology: Integrating Skeletal Morphology, Human Biology, and Primate Behavior”. \$5,375
- 2006-2007 **National Science Foundation Physical Anthropology Program (with Dr. Terry Harrison).** Conference Grant for “Molecular Primatology: Progress and Promise”. \$9,890
- 2006-2007 **Wenner-Gren Foundation for Anthropological Research (with Dr. Terry Harrison).** International Conference Grant for “Molecular Primatology: Progress and Promise”. \$12,000
- 2005-2007 **University Research Challenge Fund, New York University.** Molecular tools for studying seed dispersal and the effects of disperser loss in tropical ecosystems. \$10,000
- 2005-2006 **L.S.B. Leakey Foundation General Research Grant (with Dr. Eduardo Fernandez-Duque).** Preliminary study of socially-monogamous owl monkeys (*Aotus vociferans*) in Ecuador. \$9,530
- 2005-2006 **Wenner-Gren Foundation for Anthropological Research (with Dr. Eduardo Fernandez-Duque).** Comparative socioecology of monogamous neotropical primates in the Ecuadorian Amazon and the Argentinean Chaco. \$30,000
- 2005-2006 **Emergency University Research Challenge Fund, New York University.** Equipment maintenance for ongoing study of the primate community in Yasuní National Park, Ecuador. \$2,500
- 2004-2006 **NSF Major Research Initiative Program (with Drs. Todd Disotell, Clifford Jolly, and Susan Antón).** Acquisition of a molecular primatology DNA analysis system. \$257,992
- 2003-2005 **Curriculum Development Challenge Fund, New York University (with Dr. Trace Jordan).** A multimedia laboratory manual for *Human Origins*. \$6,970
- 2002-2005 **NSF Physical Anthropology and Animal Behavior Programs (subcontract on grant to Dr. James Dietz and Dr. Andrew Baker).** Reproductive skew in cooperative breeding primate families. \$15,000
- 2003 **Fulbright Scholar Program.** Comparative socioecology of monogamous primates in the western Amazon. ~\$18,000
- 2002-2004 **Wenner-Gren Foundation for Anthropological Research (with Dr. Eduardo Fernandez-Duque).** Comparative socioecology of monogamous neotropical primates in the Ecuadorian Amazon and the Argentinean Chaco. \$30,000
- 2002-2004 **L.S.B. Leakey Foundation General Research Grant.** Socioecology and population genetics of monogamous primates in eastern Ecuador. \$17,800

- 2002-2003 **University Research Challenge Fund, New York University (with Dr. Todd Disotell).** A phylogenetic genetic database for New World primates. \$11,000
- 2001-2003 **University Research Challenge Fund, New York University.** Molecular study of mating systems, dispersal patterns, and population structure in four neotropical primates. \$9600
- 2000 **Center for Latin American and Caribbean Studies, New York University, Faculty Summer Research Grant.** Continuing work on comparative neotropical primate socioecology in eastern Ecuador. \$1,000
- 1998-2000 **NSF Research Training Grant Postdoctoral Fellowship on the Biology of Small Populations.** Population genetics of three neotropical primates. 2 years postdoctoral salary + \$8,000 research stipend
- 1994-1996 **NSF Dissertation Improvement Grant (SBR-94-13000).** Socioecology of the common woolly monkey (*Lagothrix lagotricha*) in eastern Ecuador. \$11,500
- 1994-1996 **Wenner-Gren Foundation for Anthropological Research Grant (GR 5801).** Socioecology of the common woolly monkey (*Lagothrix lagotricha*) in eastern Ecuador. \$9,000
- 1994-1996 **L.S.B. Leakey Foundation General Research Grant.** Socioecology of the common woolly monkey (*Lagothrix lagotricha*) in eastern Ecuador. \$5,000
- 1992-1996 **NSF Research Training Grant Predoctoral Fellowship on Interdisciplinary Approaches to the Study of Animal Behavior.** 2 years graduate stipend
- 1990-1995 **NSF Graduate Research Fellowship.** 3 years graduate stipend + \$2,000 research stipend

PUBLICATIONS

- Fernandez-Duque, E. and **Di Fiore, A.** [in review]. Behavior, ecology, and social evolution of New World monkeys. In: The Evolution of Primate Societies (J. Mitani, J. Call, P. Kappeler, R. Palombit, and J. Silk, eds.). Chicago: University of Chicago Press.
- Di Fiore, A.** [in review]. Genetic consequences of primate social organization. In: The Evolution of Primate Societies (J. Mitani, J. Call, P. Kappeler, R. Palombit, and J. Silk, eds.). Chicago: University of Chicago Press.
- Spehar, S.N., Link, A., and **Di Fiore, A.** [in press]. Male and female range use in a group of white-bellied spider monkeys (*Ateles belzebuth*) in Yasuní National Park, Ecuador. American Journal of Primatology.
- Di Fiore, A.**, Link, A., and Campbell, C.J. [in press]. The atelines: Behavioral and socioecological diversity in a New World radiation. In: Primates in Perspective, Second Edition (C.J. Campbell, A. Fuentes, K.C. MacKinnon, M. Panger, and S.K. Beader, eds.). Oxford: Oxford University Press.
- Di Fiore, A.**, Lawler, R.R., and Gagneux, P. [in press]. Molecular primatology. In: Primates in Perspective, Second Edition (C.J. Campbell, A. Fuentes, K.C. MacKinnon, M. Panger, and S.K. Beader, eds.). Oxford: Oxford University Press.
- Fernandez-Duque, E., **Di Fiore, A.**, and de Luna, A.G. [in press]. Pair-mate relationships and parenting in equatorial saki monkeys (*Pithecia aequatorialis*) and red titi monkeys (*Callicebus discolor*) of Ecuador. In: Evolutionary Biology and Conservation of Titis, Sakis, and Uacaris (L.M. Veiga, A.A. Barnett, S. Ferrari, and M.A. Norconk, eds.). Cambridge: Cambridge University Press.
- Moscovice, L.R., Heesen, M., **Di Fiore, A.**, Seyfarth, R.M., Cheney, D.M. 2009. Male caretaking behavior in chacma baboons and the relationship to paternity. Behavioral Ecology and Sociobiology 63: 1471-1482.

- Link, A., **Di Fiore, A.**, and Spehar, S.N. 2009. Female-directed aggression and social control in spider monkeys. In: Sexual Coercion in Primates and Humans: An Evolutionary Perspective on Male Aggression against Females (M.N. Muller and R.W. Wrangham, eds.), pp. 157-183. Cambridge, MA: Harvard University Press.
- Di Fiore, A.**, Link, A.L., Schmitt, C.A., and Spehar, S.N. 2009. Dispersal patterns in sympatric woolly and spider monkeys: Integrating molecular and observational data. Behaviour 146: 437-470.
- Di Fiore, A.**, Disotell, T., Gagneux, P., and Ayala, F.J. 2009. Primate malarias: Evolution, adaptation, and species jumping. In: Primate Parasite Ecology: The Dynamics and Study of Host-Parasite Relationships (M.A. Huffman and C.A. Chapman, eds.), pp. 141-182. Cambridge: Cambridge University Press.
- Di Fiore, A.** 2009. Genetic approaches to the study of dispersal and kinship in New World primates. In: South American Primates: Comparative Perspectives in the Study of Behavior, Ecology, and Conservation (P.A. Garber, A. Estrada, J.C. Bicca-Marques, E.W. Heymann, and K.B. Strier, eds.), pp. 211-250. New York: Springer.
- Baker, T.R., Phillips, O.L., Laurance, W.F., Pitman, N.C.A., Almeida, S., Arroyo, L., **Di Fiore, A.**, Erwin, T., Higuchi, N., Killeen, T.J., Laurance, S.G., Nascimento, H., Monteagudo, A., Neill, D.A., Silva, J.N.M., Malhi, Y., López-Gonzalez, G., J. Peacock, J., Quesada, C.A., Lewis, S.L., and Lloyd, J. 2009. Do species traits determine patterns of wood production in Amazonian forests? Biogeosciences 6: 297-307.
- Shimooka, Y., Campbell, C., **Di Fiore, A.**, Felton, A., Izawa, K., Link, A., Nishimura, A., Ramos-Fernandez, G., and Wallace R. 2008. Demography and group composition in *Ateles*. In: Spider Monkeys: Behavior, Ecology and Evolution of the Genus *Ateles* (C.J. Campbell, ed.), pp. 329-348. Cambridge: Cambridge University Press.
- Di Fiore, A.**, Link, A., and Dew, J.L. 2008. Diets of wild spider monkeys. In: Spider Monkeys: Behavior, Ecology and Evolution of the Genus *Ateles* (C.J. Campbell, ed.), pp 81-137. Cambridge: Cambridge University Press.
- Aureli, F., Schaffner, C.M., Boesch, C., Bearder, S.K., Call, J., Chapman, C.A., Connor, R., **Di Fiore, A.**, Dunbar, R.I.M., Henzi, S.P., Holekamp, K., Korstjens, A.H., Layton, R., Lee, P., Lehmann, J., Manson, J.H., Ramos-Fernandez, G., Strier, K.B., and van Schaik, C.P. 2008. Fission-fusion dynamics: New research frameworks. Current Anthropology 49: 627-654.
- Fernandez-Duque, E., **Di Fiore, A.**, and Carillo-Bilbao, G. 2008. Behavior, ecology and demography of owl monkeys (*Aotus vociferans*) in Yasuní National Park, Ecuador. International Journal of Primatology 29: 421-431.
- Fernandez-Duque, E., Juárez, C.P., and **Di Fiore, A.** 2008. Adult male replacement and subsequent infant care by male and siblings in socially monogamous owl monkeys (*Aotus azarae*). Primates 49: 81-84.
- Di Fiore, A.** and Suarez, S.A. 2007. Route-based travel and shared routes in sympatric spider and woolly monkeys: Cognitive and evolutionary implications. Animal Cognition. 10: 317-329.
- Rendall, D. and **Di Fiore, A.** 2007. Homoplasy, homology, and the perceived special status of behavior in evolution. Journal of Human Evolution 52: 504-521.
- Di Fiore, A.**, Fernandez-Duque, E., and Hurst, D. 2007. Adult male replacement in socially monogamous equatorial saki monkeys (*Pithecia aequatorialis*). Folia Primatologica 78: 88-98.
- Oklander, L.I., Zunino, G.E., **Di Fiore, A.**, and Corach, D. 2007. Isolation, characterization and evaluation of 11 autosomal STRs suitable for population studies in black and gold howler monkeys *Alouatta caraya*. Molecular Ecology Notes 7: 117-120.
- Di Fiore, A.** and Gagneux, P. 2007. Molecular primatology. In: Primates in Perspective (C.J. Campbell, A. Fuentes, K.C. MacKinnon, M. Panger, and S. Bearder, eds.), pp. 369-393. New York: Oxford University Press.

- Di Fiore, A.** and Campbell, C.J. 2007. The atelines: Variation in ecology, behavior, and social organization. In: Primates in Perspective (C.J. Campbell, A. Fuentes, K.C. MacKinnon, M. Panger, and S. Bearder, eds.), pp. 155-185. New York: Oxford University Press.
- Di Fiore, A.**, Link, A., and Stevenson, P.R. 2006. Scent marking in two western Amazonian populations of woolly monkeys (*Lagothrix lagotricha*). American Journal of Primatology 68: 637-649.
- Link, A. and **Di Fiore, A.** 2006. Seed dispersal by spider monkeys and its importance in the maintenance of Neotropical rain-forest diversity. Journal of Tropical Ecology 22: 335-346.
- Lewis, S.L., Phillips, O.L., Baker, T.R., Alexiades, M., Almeida, Arroyo, L., Brown, S., Chave, J., Comiskey, J.A., Czimczik, C.I., **Di Fiore, A.**, Erwin, T. Higuchi, N., Killeen, T., Kuebler, C., Laurance, S.G., Laurance, W.F., Lloyd, J., Malhi, Y., Monteagudo, A., Nascimento, H.E.M., Neill, D.A., Núñez Vargas, P., Olivier, J., Palacios, W., Patiño, S., Pitman, N.C.A., Quesada, C.A., Saldias, M., Silva, J.N.M., Terborgh, J., Torres Lezama, A., Vásquez Martínez, R., and Vinceti, B. 2006. Impacts of global climate change on the structure, dynamics, and functioning of South American tropical forest. In: Emerging Threats to Tropical Forests (W.F. Laurance and C.A. Peres, eds.), pp. 15-31. Chicago: University of Chicago Press.
- Di Fiore, A.** 2005. A rapid genetic method for sex assignment in nonhuman primates. Conservation Genetics 6: 1053-1058.
- Di Fiore, A.** and Campbell, C.J. 2005. Contemporary issues in ecology, behavior, and evolution of the atelin primates. International Journal of Primatology 26: 995-997.
- Di Fiore, A.** and Fleischer, R.C. 2005. Social behavior, reproductive strategies, and population genetic structure of *Lagothrix lagotricha poeppigii*. International Journal of Primatology 26: 1137-1173.
- Carrillo, G.A., **Di Fiore, A.**, and Fernandez-Duque, E. 2005. Dieta, forrajeo y presupuesto de tiempo en cotoncillos (*Callicebus discolor*) del Parque Nacional Yasuní en la Amazonia Ecuatoriana. Neotropical Primates 13: 7-11.
- Perez-Sweeney, B.M., Valladares-Padua, C.P., Burrell, A.S., **Di Fiore, A.**, Satkoski, J.S., van Coeverden De Groot, P., Boag, P.T., and Melnick, D.J. 2005. Dinucleotide microsatellite primers designed for a critically endangered primate, the black lion tamarin (*Leontopithecus chrysopygus*). Molecular Ecology Notes 5: 198-201.
- Phillips, O.L., Baker, T.R., Arroyo, L., Higuchi, N., Killeen, T., Laurance, W.F., Lewis, S.L., Lloyd, J., Malhi, Y., Monteagudo, A., Neill, D.A., Núñez Vargas, P., Silva, J.N.M., Terborgh, J., Vásquez Martínez, R., Alexiades, M., Almeida, S., Brown, S., Chave, J., Comiskey, J.A., Czimczik, C.I., **Di Fiore, A.**, Erwin, T., Kuebler, C., Laurance, S.G., Nascimento, H.E.M., Olivier, J., Palacios, W., Patiño, S., Pitman, N., Quesada, C.A., Saldias, M., Torres Lezama, A., and Vinceti, B. 2005. Late twentieth-century patterns and trends in Amazon tree turnover. In: Tropical Forests and Global Atmospheric Change (Y. Mahli and O. Phillips, eds.), pp. 107-127. Oxford: Oxford University Press.
- Baker, T.R., Phillips, O.L., Malhi, Y., Almeida, S., Arroyo, L., **Di Fiore, A.**, Erwin, T., Higuchi, N., Killeen, T.J., Laurance, S.G., Laurance, W.F., Lewis, S.L., Monteagudo, A., Neill, D.A., Nuñez Vargas, P., Pitman, N.C.A., Silva, J.N.M., and Vásquez Martínez, R. 2005. Late twentieth-century trends in the biomass of Amazonian forest plots. In: Tropical Forests and Global Atmospheric Change (Y. Mahli and O. Phillips, eds.), pp. 129-141. Oxford: Oxford University Press.
- Di Fiore, A.** 2004. Diet and feeding ecology of woolly monkeys in a western Amazonian rainforest. International Journal of Primatology 24: 767-801.
- Di Fiore, A.** and Fleischer, R.C. 2004. Microsatellite markers for woolly monkeys (*Lagothrix lagotricha*) and their amplification in other New World primates (Primates: Platyrrhini). Molecular Ecology Notes 4: 246-249.
- Di Fiore, A.** 2004. Primate conservation. In: McGraw-Hill Yearbook of Science and Technology, pp. 274-277. New York: The McGraw-Hill Companies.

- Baker, T.R., Phillips, O.L., Malhi, Y., Almeida, S., Arroyo, L., **Di Fiore, A.**, Erwin, T., Killeen, T.J., Laurance, S.G., Laurance, W.F., Lewis, S.L., Lloyd, J., Monteagudo, A., Neill, D.A., Patiño, S., Pitman, N.C.A., Silva, J.N.M., and Vásquez Martínez, R. 2004. Variation in wood density determines spatial patterns in Amazonian forest biomass. Global Change Biology 10: 545–562.
- Malhi, Y., Baker, T.R., Phillips, O.L., Almeida, S., Alvarez, E., Arroyo, L., Chave, J., Czimczik, C.I., **Di Fiore, A.**, Higuchi, N., Killeen, T.J., Laurance, S.G., Laurance, W.F., Lewis, S.L., Montoya, L.M.M., Monteagudo, A., Neill, D.A., Núñez Vargas, P., Patiño, S., Pitman, N.C.A., Quesada, C.A., Silva, J.N.M., Torres Lezama, A., Vásquez Martínez, R., Terborgh, J., Vinceti, B., and Lloyd, J. 2004. The above-ground wood productivity and net primary productivity of 104 neotropical forest plots. Global Change Biology 10: 563-591.
- Baker, T.R., Phillips, O.L., Malhi, Y., Almeida, S., Arroyo, L., **Di Fiore, A.**, Erwin, T., Higuchi, N., Killeen, T.J., Laurance, S.G., Laurance, W.F., Lewis, S.L., Monteagudo, A., Neill, D.A., Nuñez Vargas, P., Pitman, N.C.A., Silva, J.N.M., and Vásquez Martínez, R. 2004. Increasing biomass in Amazonian forest plots. Philosophical Transactions of the Royal Society, Series B 359: 353–365.
- Phillips, O.L., Baker, T.R., Arroyo, L., Higuchi, N., Killeen, T.J., Laurance, W.F., Lewis, S.L., Lloyd, J., Malhi, Y., Monteagudo, A., Neill, D.A., Núñez Vargas, P., Silva, J.N.M., Terborgh, J., Vásquez Martínez, R., Alexiades, M., Almeida, S., Brown, S., Chave, J., Comiskey, J.A., Czimczik, C.I., **Di Fiore, A.**, Erwin, T., Kuebler, C., Laurance, S.G., Nascimento, H.E.M., Olivier, J., Palacios, W., Patiño, S., Pitman, N.C.A., Quesada, C.A., Saldias, M., Torres Lezama, A., and Vinceti, B. 2004. Pattern and process in Amazon tree turnover, 1976-2001. Philosophical Transactions of the Royal Society, Series B 359: 381-407.
- Di Fiore, A.** 2003. Molecular genetic approaches to the study of primate behavior, social organization, and reproduction. Yearbook of Physical Anthropology 46: 62-99.
- Di Fiore, A.** 2003. Ranging behavior and foraging ecology of lowland woolly monkeys (*Lagothrix lagotricha poeppigii*) in Yasuní National Park, Ecuador. American Journal of Primatology 59: 47-66.
- Seuáñez, H., **Di Fiore, A.**, Moreira, M.A.M., Almeida, C.A.S., and Canavez, F.C. 2002. Genetics and evolution of lion tamarins. In: Lion Tamarins: Biology and Conservation (D.G. Kleiman and A.B. Rylands, eds.), pp. 117-132. Washington, DC: Smithsonian Institution Press.
- Barash, D.P. and **Di Fiore, A.** 2002. Sociobiology. In: McGraw-Hill Encyclopedia of Science and Technology, 9th Edition, pp. 586-589. New York: McGraw-Hill.
- Phillips, O.L., Martínez, R.V., Arroyo, L., Baker, T.R., Killeen, T., Lewis, S.L., Malhi, Y., Mendoza, A.M., Neill, D., Vargas, P.N., Alexiades, M., Cerón, C., **Di Fiore, A.**, Erwin, T., Jardim, A., Palacios, W., Saldias, M., and Vinceti, B. 2002. Increasing dominance of large lianas in Amazonian forests. Nature 418: 770-774.
- Di Fiore, A.** 2002. Predator sensitive foraging in ateline primates. In: Eat or Be Eaten: predator sensitive foraging among primates (L.E. Miller, ed.), pp. 242-267. Cambridge: Cambridge University Press.
- Di Fiore, A.** 2002. Primate social organization. In: Yearbook of Science and Technology (2002), pp. 276-279. New York: McGraw-Hill.
- Di Fiore, A.** and Rodman, P.S. 2001. Time allocation patterns of lowland woolly monkeys (*Lagothrix lagotricha poeppigii*) in a neotropical terra firme forest. International Journal of Primatology 22: 449-480.
- Di Fiore, A.** 2001. Investigación ecológica y de comportamiento de primates en el Parque Nacional Yasuní. In: Memorias del Seminario-Taller Yasuní, 2001 (J.P. Jorgenson and M. Coello Rodríguez, eds.), pp. 165-173. Quito, Ecuador: Editorial SIMBIOE.
- Hamilton, M.B., Pincus, E.L., **Di Fiore, A.**, and Fleischer, R. 1999. Universal linker and ligation procedures for construction of genomic DNA libraries enriched for microsatellites. Biotechniques 27: 500-507.
- Rendall, D. and **Di Fiore, A.** 1995. The road less traveled: phylogenetic perspectives in primatology. Evolutionary Anthropology 5: 43-52.

Di Fiore, A. and Rendall, D. 1994. Evolution of social organization: a reappraisal for primates by using phylogenetic methods. Proceedings of the National Academy of Sciences 91: 9941-9945.

PUBLISHED ABSTRACTS and REVIEWS

- Di Fiore, A.** 2009. Agent-based simulation modeling of primate sociality. [79th Annual Meeting of the American Association of Physical Anthropologists]
- Schmitt, C.A., Harris, H., Kendall, T., Weidenbeck, J., and **Di Fiore, A.** 2009. Predation risk sensitivity and the spatial organization of primate groups: A case study of lowland woolly monkeys (*Lagothrix poeppigii*). [46th Annual Meeting of the Animal Behavior Society]
- Colman, M.N., **Di Fiore, A.**, and Fernandez-Duque, E. 2009. A preliminary report on the interaction between ambient acoustics and primate vocalizations in the Ecuadorian Amazon. *American Journal of Physical Anthropology* Supplement 48: 108. [79th Annual Meeting of the American Association of Physical Anthropologists]
- Anton, S.C., Snodgrass, J.J., Crowder, C., **Di Fiore, A.**, Duren, D.L., Fernandez-Duque, E., Leonard, W.R., Leigh, S.R., Madimenos, F.C., McGraw, W.S., Middleton, E., Schmitt, C., Sherwood, R.J., Stinson, S., Stubblefield, P., Turner, T., Vaggia, C.R., and White, F.J. 2009. Integrative measurement protocol for morphological and behavioral research in human and nonhuman primates. *American Journal of Physical Anthropology* Supplement 48: 78-79. [79th Annual Meeting of the American Association of Physical Anthropologists]
- Di Fiore, A.** 2008. Molecular assessment of dispersal patterns in sympatric woolly and spider monkeys. [XXIInd Congress of the International Primatological Society, Edinburgh, Scotland]
- Spehar, S.N., Mathewson, P., and **Di Fiore, A.** 2008. The male spider monkey loud call: A means of mate attraction and mate choice? [XXIInd Congress of the International Primatological Society, Edinburgh, Scotland]
- Shimooka, Y., Link, A., Ramirez, M., and **Di Fiore, A.** 2008. Spatial distribution of wild spider monkeys in fission-fusion societies: Simultaneous follows of two individuals using GPS. [XXIInd Congress of the International Primatological Society, Edinburgh, Scotland]
- Dacier, A., de Luna, G., Fernandez-Duque, E., and **Di Fiore, A.** 2008. Estimating population density of titi monkeys (*Callicebus discolor*) through playback calls. [XXIInd Congress of the International Primatological Society, Edinburgh, Scotland]
- Moscovice, L.R., Heesen, M., **Di Fiore, A.**, Seyfarth, R.M., Cheney, D.M. 2008. Evidence for male caretaker roles in chacma baboons and the relationship to paternity. [XXIInd Congress of the International Primatological Society, Edinburgh, Scotland].
- Di Fiore, A.**, Link, A., and Spehar, S.N. 2008. Multiple males sire offspring in groups of wild spider monkeys (*Ateles belzebuth*). *American Journal of Physical Anthropology* Supplement 46: 90.
- Spehar, S.N. and **Di Fiore, A.** 2008. The role of long-distance vocalizations in regulating association patterns and social interactions in white-bellied spider monkeys (*Ateles belzebuth*). *American Journal of Physical Anthropology* Supplement 46: 199.
- Di Fiore, A.** and Fernandez-Duque, E. 2007. A comparison of paternal care in three socially-monogamous neotropical primates. *American Journal of Physical Anthropology* Supplement 44: 99-100.
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- Di Fiore, A.**, Fernandez-Duque, E., Carrillo, G., and Hurst, D. 2006. Comparative social behavior of males and females in three genera of socially monogamous platyrrhines. American Journal of Primatology 68 (Supplement 1): 99.
- Fernandez-Duque, E., **Di Fiore, A.**, Rotundo, M., and Juárez, C. 2006. Demographics and ranging of floaters in socially monogamous owl monkeys (*Aotus azarai*). American Journal of Primatology 68 (Supplement 1): 86.
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- Link, A., **Di Fiore, A.**, and Spehar, S.N. 2006. Predation risk affects subgroup size in spider monkeys (*Ateles belzebuth*) in Yasuní National Park, Ecuador. Folia Primatologica 77: 318.
- Di Fiore, A.**, Hurst, D., and Carrillo, G. 2005. Myrmecophagy in neotropical primates. American Journal of Primatology 66 (Supplement 1): 116.
- Hurst, D., **Di Fiore, A.** and Fernandez-Duque, E. 2005. Male replacement in a wild group of equatorial sakis (*Pithecia aequatorialis*). American Journal of Primatology 66 (Supplement 1): 118-119.
- Spehar, S.N., Link, A., and **Di Fiore, A.** 2005. Patterns of male and female range use in white-bellied spider monkeys (*Ateles belzebuth*) in Yasuní National Park, Ecuador. American Journal of Primatology 66 (Supplement 1): 118.
- Derby, A.M. and **Di Fiore, A.** 2005. How ecology and demography influence density in two populations of red howler monkeys (*Alouatta seniculus*), Yasuní National Park, Ecuador. American Journal of Primatology 66 (Supplement 1): 150.
- Di Fiore, A.** 2005. A rapid genetic method for sex-typing primate DNA. American Journal of Physical Anthropology Supplement 40: 95.
- Fernandez-Duque, E., Rotundo, M., Juárez, C., and **Di Fiore, A.** 2005. Ecología, comportamiento, genética y conservación del mono mirikiná en el Gran Chaco Argentino.
- Di Fiore, A.** and Suarez, S.A. 2004. Route-based travel and shared routes in sympatric spider and woolly monkeys. Folia Primatologica 75 (Supplement 1): 97.
- Di Fiore, A.** and Strier, K.B. 2004. Flexibility in social organization in atelin primates. Folia Primatologica 75 (Supplement 1): 140.
- Link, A., Spehar, S.N., and **Di Fiore, A.** 2004. Differences in the behavior of males and females in sympatric woolly and spider monkeys. Folia Primatologica 75 (Supplement 1): 294.
- Schwindt, D.M., Carrillo, G.A., Bravo, J.J., **Di Fiore, A.**, and Fernandez-Duque 2004. Comparative socioecology of monogamous primates in the Amazon and Gran Chaco. Folia Primatologica 75 (Supplement 1): 412.
- Di Fiore, A.** and Schwindt, D.M. 2004. A preliminary study of social behavior and pair-bonding in wild titi monkeys (*Callicebus discolor*) in Amazonian Ecuador. American Journal of Physical Anthropology Supplement 38: 87.
- Di Fiore, A.** 2003. Social and reproductive strategies of lowland woolly monkeys (*Lagothrix lagotricha*). American Journal of Physical Anthropology Supplement 36: 89.
- Koester, F. and **Di Fiore, A.** 2003. Payoffs, community relations, and vocational training: implementing local conservation in Ecuador's Yasuní National Park. American Journal of Physical Anthropology Supplement 36: 131.

- Disotell, T.R., Tosi, A.J., and **Di Fiore, A.** 2003. X-chromosome phylogeny of the Platyrrhini. American Journal of Physical Anthropology Supplement 36: 89-90.
- Dew, J.L., Greenberg, J., Franzen, M., and **Di Fiore, A.** 2003. Road to extinction: GIS modeling of road development and hunting pressure on Amazonian primates. American Journal of Physical Anthropology Supplement 36: 89.
- Di Fiore, A.** 2002. Molecular perspectives on dispersal in lowland woolly monkeys (*Lagothrix lagotricha*). American Journal of Physical Anthropology Supplement 34: 63.
- Di Fiore, A.** 2001. Ranging behavior and foraging ecology of lowland woolly monkeys (*Lagothrix lagotricha*). American Journal of Physical Anthropology Supplement 32: 59.
- Di Fiore, A.** 1998. Review of *Neotropical Rainforest Mammals: A Field Guide*, Second Edition by L. Emmons and F. Feer. American Journal of Primatology 44: 83-84.
- Di Fiore, A.** and Rendall, D. 1993. The evolution of primate social organization: a role for phylogeny. American Journal of Physical Anthropology Supplement 16: 81.
- Rodman, P.S. and **Di Fiore, A.** 1993. Effects of group size and resource dispersion on foraging efficiency of primates: a simulation model. American Journal of Physical Anthropology Supplement 16: 166.

MANUSCRIPTS and BOOKS in PREPARATION

- Di Fiore, A.** (ed). Molecular Primatology: Progress and Promise. Cambridge: Cambridge University Press.
- Di Fiore, A.** and Link, A. Spatial patterns of seed dispersal by spider monkeys: Implications for the dispersal limitation of neotropical plants.
- Disotell, T.R., Tosi, A.J., and **Di Fiore, A.** Phylogeny of New World monkeys (Primates: Platyrrhini) based on an X-chromosomal intergenic region.

INVITED TALKS and SYMPOSIUM PRESENTATIONS

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|----------|---|
| Oct 2009 | Behavioral ecology and social structure of spider monkeys: Insights from long-term field work and genetic studies. Department of Human Evolutionary Biology, Harvard University |
| Apr 2009 | Behavioral ecology and social structure of spider monkeys: Insights from long-term field work and genetic studies. Department of Anthropology, University of Texas at Austin |
| Mar 2009 | Behavioral ecology and social structure of spider monkeys: Insights from long-term field work and genetic studies. Department of Physical Anthropology, University of Calgary |
| Aug 2008 | Molecular assessment of dispersal patterns in sympatric woolly and spider monkeys. Dispersal Symposium, IPS Meetings, Edinburgh, Scotland. |
| Feb 2008 | Workshop: Measuring fission-fusion dynamics in animal societies. Lewes, England. |
| Dec 2007 | Social systems of spider monkeys: Evidence from long-term behavioral and genetic studies. Department of Anthropology, California Academy of Sciences. |
| Apr 2007 | Chimpanzees of the New World: Behavioral, ecological, and genetic convergences between <i>Ateles</i> and <i>Pan</i> . Department of Biological Anthropology and Anatomy, Duke University. |
| Mar 2007 | Chimpanzees of the New World: Behavioral, ecological, and genetic convergences between <i>Ateles</i> and <i>Pan</i> . Department of Anthropology, Northern Illinois University. |
| Mar 2007 | Towards a primate scatology, or "The many faces of feces". Department of Anthropology, Northern Illinois University. |
| Mar 2006 | Population structure, dispersal, and mating systems in ateline primates. Molecular Primatology: Progress and Promise, CSHO Symposium. |

- Feb 2006 Social systems and ecological roles of ateline primates: Insights from comparative behavioral and molecular studies. Department of Anthropology, University of California, Davis.
- Oct 2005 Population structure and mating systems of wild atelines: Insights from molecular studies. Monkeys: Old and New, NYCEP Symposium.
- Oct 2004 Ecological roles of large-bodied primates in the Ecuadorian Amazon. Yasuní Day Conference, Mindo Ecuador.
- Aug 2004 Route-based travel and shared routes in sympatric spider and woolly monkeys. XXth Congress of the International Primatological Society, Symposium on Socioecological Cognition (with Dr. Scott Suarez)
- Aug 2004 Flexibility in social organization of atelin primates. XXth Congress of the International Primatological Society, Symposium on Fission-Fusion Sociality (with Dr. Karen Strier)
- Feb 2004 Social and reproductive strategies of lowland woolly monkeys (*Lagothrix lagotricha*). Department of Anthropology, Boston University.
- Sep 2003 Perspectivas moleculares sobre la organización social del mono lanudo. Departamento de Biología, Universidad de San Francisco de Quito.
- Mar 2003 Molecular ecology of lowland woolly monkeys. Department of Anthropology, Yale University.
- May 2002 Molecular perspectives on mating and dispersal in New World primates. NSF Research Training Grant Symposium on the Biology of Small Populations, National Zoological Park, Smithsonian Institution.
- Apr 2002 Ecological strategies of ateline primates: insights from lowland woolly monkeys. Department of Environmental Studies, Emory University.
- Apr 2002 Social behavior and dispersal in lowland woolly monkeys. Department of Anthropology, Emory University.

COURSES TAUGHT

- Sex and Human Nature (Undergraduate Class) – Fall 2010
- Human Evolution (Undergraduate Course) – Fall 2008, Spring 2006, Fall 2004
- Primate Behavior, Ecology, and Conservation (NYCEP Graduate Core Course) – Spring 2009, Spring 2008, Spring 2005, Fall 2001
- New World Monkeys (Graduate Seminar) – Spring 2008 (with Dr. Alfred Rosenberger), Spring 2003
- Sexual Selection, Kinship, and Primate Behavior (Graduate Seminar) – Fall 2007
- Human Genetics (Undergraduate Upper Division Course) – Fall 2005, Spring 2002
- Primate Cognitive Ecology (Graduate Seminar) – Fall 2005, Spring 2002
- Primate Behavioral Ecology (Undergraduate Upper Division Course) – Spring 2009, Spring 2005, Fall 2001
- Genetics and Human Variation (NYCEP Graduate Core Course) – Fall 2004 (with Dr. Kate Pechenkina), Fall 2002 (with Dr. Vincent Stefan)
- Molecular Primatology (Graduate Seminar) – Spring 2004
- Human Behavioral Ecology (Undergraduate Upper Division Course) – Spring 2004, Fall 2000
- Latin American Primate Conservation Biology (Summer Field Course, Argentina) – Summer 2004 (with Dr. Eduardo Fernandez-Duque and Dr. Pascal Gagneux), Summer 2003 (with Dr. Eduardo Fernandez-Duque, Dr. Pascal Gagneux, and Dr. Claudia Valeggia)

Human Ecology (Undergraduate Upper Division Course) – Spring 2003 (with Dr. Pamela Crabtree)
Human Origins (Undergraduate MAP Course) – Fall 2002, Spring 2001
Behavioral Ecology and Cognition (NYCEP Graduate Seminar) – Spring 2001
Primate Behavior and Population Structure (Graduate Seminar) – Fall 2000 (with Dr. Clifford Jolly)
Natural History of the Primates (Graduate Seminar) – Spring 2000
Primate Communication (Undergraduate Upper Division Course) – Spring 2000
Principles of Animal Behavior (Undergraduate Upper Division Course, University of Maryland) – Fall 1999
(with Dr. Gerald Wilkinson)
Introduction to Biology (Honors) (Undergraduate Introductory Course, University of Maryland) – Spring
1998 (with Dr. Gerald Wilkinson)

HONORS and AWARDS

2004 Golden Dozen Teaching Award Winner, Faculty of Arts and Sciences, New York
University
2003-2004 Fulbright Scholar, Ecuador, Committee for International Exchange of Scholars
2003 Golden Dozen Teaching Award Nominee, Faculty of Arts and Sciences, New York
University

PATENTS PENDING

Genetic assay for determining the sex of primates

STUDENTS SUPERVISED AT NYU

Ph.D. Program Academic Supervisor: Anand Dacier Lobato (M.A. 2008), Christopher Schmitt (M.A. 2006),
Andres Link (M.A. 2005), Michael Montague (M.A. 2005), Lei Zhang (M.A. 2003), Luke Matthews
(M.A. 2005, Ph.D. 2008), Stephanie Spehar (M.A. 2001, Ph.D. 2006), Alba Morales Jimenez, Paulo
Chaves
Ph.D. Committee Member: Kirstin Sterner (Ph.D. 2009), Holly Hemmalin (Ph.D. 2008), Andrew Burrell
(Ph.D. 2007), Rachel Dvoskin (Ph.D. 2007), Paul Telfer (Ph.D. 2006), Sandra Suarez (Ph.D. 2006),
Barbara Merhof (Ph.D. 2006), Denise Su (Ph.D. 2006), Susan Lappan (Ph.D. 2005), Ryan Raaum
(Ph.D. 2004), Kimberley Williams-Guillen (Ph.D. 2003), Varsha Pilbrow (Ph.D. 2002), Monica Uddin
(Ph.D. 2002), Derek Wildman (Ph.D. 2000), Connie Fellman, Emily Middleton, Joseph Califf, Kate
Detwiler, Jason Hodgson
Undergraduate Honors Research/Independent Study Supervisor: Mahati Guttikonda, Melodie Beattie,
Melissa Weitner, Ari Goldstein, Eugene Lewis, Dylan Schwindt, Laura Muraida, Tessa Commers,
Carlos Del Rio, Raisa Glabman, Kenneth Chiou, Russell Durrent, Sarah Pickett, Christopher Banoub

STUDENTS SUPERVISED AT OTHER UNIVERSITIES

Ph.D. Committee Member: Nicole Gibson (Ph.D. 2009, Yale University), Abigail Derby (Ph.D. 2008, SUNY
Stony Brook), Jenna Lawrence (Ph.D. 2007, Columbia University), Jessica Satkoski (Ph.D. 2006,
Columbia University), Jeffrey Hatcher (Ph.D. 2006, Columbia University), Scott Suarez (Ph.D. 2003,
SUNY Stony Brook), Sasimir Sangchantr (Ph.D. 2003, Columbia University), Pablo Stevenson (Ph.D.
2002, SUNY Stony Brook), Ximena Valderrama (Ph.D. 2002, Columbia University), Eileen Larney

(SUNY Stony Brook), Andrea Baden (SUNY Stony Brook), Michelle Brown (Columbia University), Mary Blair (Columbia University), Heather Hassel (SUNY Stony Brook), Lisa Danish (Rutgers University), Emily Aronoff (Rutgers University)

Licenciatura Thesis Co-Supervisor: Juan José Bravo (Pontificia Universidad Católica del Ecuador), Melissa Moreano (Pontificia Universidad Católica del Ecuador), Gabriel Carrillo-Bilbao (Universidad Central del Ecuador)

DEPARTMENTAL AND UNIVERSITY SERVICE

Director of Undergraduate Studies, Department of Anthropology (2005-2006; 2007-present)

Department of Anthropology, Undergraduate Curriculum Committee (2002-present, chair 2005-2006, 2007-present)

Department of Anthropology, Dean's Dissertation Awards Departmental Selection Committee (2007-present)

New York University Undergraduate Academic Affairs Committee (2008-present)

New York University Dean's Undergraduate Research Fund for Social Sciences Award Committee (2007-present)

New York University Ad Hoc Faculty Prize Committee (2007-present)

New York University Fulbright Selection Committee (2004-2005, 2007-present)

FAS Library Committee (2002-03)

CAS Academic Mentor (2002-present)

Biological Anthropology Search Committee (ongoing, ad hoc member)

PROFESSIONAL SERVICE

Organizer: Center for the Study of Human Origins conference on "Molecular Primatology: Progress and Promise"

Associate Editor: American Journal of Primatology (2008-present)

Subject Editor: Biotropica (2006-2009)

Reviewer: Acta Sinica Zoologica, American Journal of Physical Anthropology, American Journal of Primatology, Animal Behaviour, Behavioral Ecology and Sociobiology, Belgian Journal of Zoology, Biochemical Systematics and Ecology, Biotropica, Current Anthropology; International Journal of Primatology, Journal of Human Evolution, Journal of Tropical Ecology, Marine Mammal Science, Molecular Ecology, Molecular Phylogenetics and Evolution, Primates, CUNY Graduate Center, Kluwer Academic/Plenum Press, Lincoln Park Zoo, L.S.B. Leakey Foundation, National Geographic Society, National Science Foundation, Primate Conservation, Incorporated

PROFESSIONAL AFFILIATIONS

American Association of Physical Anthropologists, American Primatological Society, Animal Behavior Society, International Primatological Society, AAAS

ADDITIONAL SKILLS

- Extensive computer programming experience: VisualBASIC, RealBasic, VisualBasic for Applications, NetLogo
- Database design and programming: MS Access, MySQL
- Proficiency with ArcView GIS, Quantum GIS, and GRASS GIS software (PC and Macintosh)
- Near fluency in spoken and written Spanish, comprehension of written Portuguese