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Graduate Program in Environmental Science
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EDUCATION

- 1991-1998 **University of California, Davis**
 Ph.D. Ecology
 Graduate Group in Ecology
 Advisors: Christine Schonewald, Michael Johnson
- 1988-1990 **Yale University, School of Forestry & Environmental Studies** (New Haven, CT)
 Masters in Environmental Studies, Wildlife Ecology
 Advisor: Charles Remington, Department of Biology
- 1983-1987 **McGill University** (Montreal, Quebec, Canada)
 Bachelors in Biogeography and Environmental Science

PROFESSIONAL EXPERIENCE

2009-Present. Director, Pace University, Graduate Program in Environmental Science, Department of Biology and Health Sciences. Administrative responsibilities include: making admissions decisions on all applicants to the graduate program; thesis and course advisement for all incoming graduate students; developing ties with faculty on campus and to the outside community; interdisciplinary grant writing.

2006-Present. Associate Professor, Pace University, Graduate Program in Environmental Science, Department of Biology & Health Sciences. Research program focuses on mammalian spatial ecology – with particular emphases on carnivores. My research emphasizes conservation biology because I work with species whose populations have been severely altered as a consequence of habitat degradation and fragmentation. In addition to wildlife biology, conserving these species requires an intimate knowledge of political and legislative systems, and community-level human dimension practices.

Spring 2003. Interim Graduate Director, University of South Florida, Department of Environmental Science & Policy, Tampa, Florida. Responsible for admissions and academic advising for graduate students.

2001-2006. Assistant Professor, University of South Florida, Department of Environmental Science & Policy, Tampa, Florida. Research program focuses on mammalian spatial ecology and understanding: how ecological and manmade elements influence home range size and location for particular species; how movement patterns reflect important landscape features in degraded and pristine ecosystems; and how these features influence home range partitioning or overlap amongst conspecifics.

1999-2001. Adjunct Professor and Carnivore Ecologist, University of Connecticut-Storrs. Mammalian ecologist developing long-term carnivore research in Torres del Paine National Park, Patagonia, as part of the University of Connecticut Patagonia Project. Larger project includes research on the population ecology of fish, reptiles, amphibians, birds, ungulates, and carnivores within the Park. Research involves studying the ecology and conservation of the Patagonian puma (*Puma concolor*), Geoffroy's cat (*Oncifelis geoffroyi*), gray fox (*Dusicyon griseus*), and culpeo fox (*Dusicyon culpaeus*). Refer to list of courses taught (below).

1998-Present. Co-founder, The Bordercats Working Group, within the IUCN's (The World Conservation Union) Cat Specialist Group. The Bordercats Working Group is involved with research and conservation of Neotropical cats (ocelots, jaguarundis, and jaguars) along the U.S.-Mexican border. Please refer to: www.bordercats.org

1999-2000. Scientific Consultant, National Audubon Society and Sierra Club. Determining the impacts of human activities on ocelots and jaguarundis in the Lower Rio Grande Valley, Texas.

1997-1999. Wildlife Conservation Biologist, Science Division: Defenders of Wildlife. Washington, D.C. Responsible for development of a conservation, research, and GIS mapping program for rare cats in the U.S.A. and adjacent ecosystems in Mexico and Canada. Program focusses on restoration of ocelot (*Felis pardalis*), jaguarundi (*Felis yagouaroundi*), and jaguar (*Panthera onca*) habitat in the Southwest and Lynx (*Lynx lynx*) habitat in the Midwest. Research programs developed with adjacent countries to promote recovery of species in U.S.A. Scientific and legal review of state-based mountain lion *Puma concolor* management programs in western states. Director of \$20,000 small grants program to promote wildlife conservation research in the U.S.A.

1991-1998. University of California, Davis. Conducted research on the ecological and human elements which influence mountain lion (*Puma concolor*) home range size and home range overlap. Using GIS, determination of how these space-use scenarios compare with theoretical allometric predictions of mountain lion home range size and home range overlap. Review of the effects of scale on mountain lion spatial patterning. Refinement of a method to identify individual mountain lions by their tracks.

4/92-9/92. Rocky Mountain Biological Laboratory. Gothic, Colorado. **Wildlife Ecologist.** Studied effects of dispersal on marmot (*Marmota flaviventris*) fitness and population dynamics by use of telemetry, mark and recapture, and behavioral observation.

4/91-8/91. U.S.A. Dept of the Interior. Bureau of Land Management (BLM). Hines, Oregon. **Wildlife Ecologist.** Determined effects of cattle grazing, by developing vegetation transects, upon wildlife species in riparian zones of Steens Mountain, in order to integrate conservation into the BLM's Land Use Management Plan. Surveyed pika (*Ochotona princeps*) populations on Steens Mountain.

6/90-11/90. World Wildlife Fund (WWF). Washington, D.C. **Research Intern,** Biodiversity Support Program (BSP). Preparation of a conservation strategy for the western Great Rift region of Africa. Background assessments of scientific research, development projects, and conservation efforts in western Rift valley. Identified threats to biodiversity in region and developed a rationale for conservation. Prepared strategic planning recommendations for WWF-BSP involvement in western Rift Valley.

March 1990. U.S. Fish and Wildlife Service. Sirenia Research Project. Gainesville, Florida. **Wildlife Ecologist.** Endangered species recovery research for the West Indian Manatee (*Trichechus manatus*). Development of a manatee identification information system, radio and satellite tagging, aerial surveys, food habitat analysis, geographical information system mapping of habitat data.

5/89-9/89. West African Manatee Conservation Project. Cameroon, West Africa. **Wildlife Ecologist.** Determined the distribution and status of the threatened manatee (*Trichechus senegalensis*) in Cameroon and developed a conservation strategy for its protection. Project funded by World Wildlife Fund (WWF) and Wildlife Conservation Society (WCS).

6/88-9/88. NYC Parks Department and NYC Audubon Society. Wildlife Ecologist. Conducted a population survey of red fox (*Vulpes vulpes*) in Pelham Bay Park, Bronx, New York. Determined the status and distribution of the population so that the Parks Dept and the Audubon Society could protect essential fox habitat.

4/88-7/88. Center for Coastal Studies. Cetacean Research Program. Provincetown, Massachusetts. **Research Assistant.** Behavioral Ecology of threatened fin (*Balaenoptera physalis*) and humpback (*Megaptera novaeangliae*) whales. Development of a database for identifying individual whales.

1/88-4/88. U.S.A. Dept of the Interior. Cape Cod National Seashore. National Park Service. Division of Resource Management Sand Dune Stabilization Project. **Ecologist.** Controlled the impact of exotic pest, Brown Tail Moth, on native dunal vegetation. Assisted with prescribed methods of fire control.

6/87-9/87. U.S.A. Dept of the Interior. Washington, D.C. National Park Service. Division of Resource Management. **Aquatic Biologist.** Researched the effect of exotic plant species, Hydrilla, on native vegetational diversity in the Potomac River. Involved in personal wetland project.

5/85-9/85. U.S.A. Dept of Commerce. National Oceanic and Atmospheric Administration (NOAA). National Marine Fisheries Service (NMFS). Sandy Hook, New Jersey. **Marine Biologist.** Researched the ecological impact of waste dumping in the Atlantic Ocean off coast of New Jersey.

GRANTS AND FELLOWSHIPS

2012. Pace University Scholarly Research Grant. \$3,816.00 awarded for “Effects of non-native fox predation on wildlife in Fire Island National Seashore, New York.”

2012. Pace University Summer Research Grant. \$1,000 awarded for “Interspecific interactions between Piping Plovers and American Oystercatchers on Gateway National Recreation Area, New York.”

2012. National Science Foundation TUES (PROPOSAL IN PREP). “Integrating ecology and information technology: Conservation natural resources in New York State.”

2012. United States Dept of Agriculture. \$200,000 awarded for “Defining optimal bison herd health practices in the Oglala Sioux Tribal Community.”

2012. Scarsdale School District. \$4,000 awarded for “Monitoring sensitive species in Westchester County, NY with integrated GIS.” Collaboration between MSES/Pace and Scarsdale high school students.

2011. Pace University & Verizon Foundation *Thinkfinity Initiative* Grant. \$10,950 awarded for “Integrating technology, field experience and collaboration in an undergraduate biology research course.”

2011. Pace University Scholarly Research Grant. \$4,000 awarded for “Monitoring sensitive species in Westchester County, NY with integrated GIS.”

2011. Pace University Summer Research Grant. \$1,000 awarded for “Interspecific interactions between Piping Plovers and American Oystercatchers on Gateway National Recreation Area, New York.”

2010. Palisades Interstate Parks Commission and the NY Dept of Transportation (IN REVIEW). \$295,440 to investigate “Landscape connectivity and carnivore movement across a major transportation corridor in the Hudson Highlands of southeastern New York.”

2010. Chilean Ministry of the Environmental (CORFO) (IN REVIEW). \$700,000 to investigate “Predator-prey dynamics of pumas, sheep, and guanacos in the region of Torres del Paine National Park, Magallanes, Chile.”

2010. Pace University & Verizon Foundation *Thinkfinity Initiative* Grant. \$13,134 awarded for “A practical approach to Bioinformatics.”

2010. Pace University Scholarly Research Grant. \$3,820 awarded for “Monitoring sensitive species in Westchester County, NY with integrated GIS.”

2009-2010. Patagonia Environmental Programs, Patagonia, Inc. \$3,000 awarded for “Predator-prey dynamics of pumas, sheep, and guanacos in the region of Torres del Paine National Park, Magallanes, Chile.”

2009. Rockefeller Brothers Fund. \$4,000 awarded for “Monitoring sensitive species in Westchester County, NY with integrated GIS.”

2009. Pace University Scholarly Research Grant. \$2,750 awarded for “Monitoring sensitive species in Westchester County, NY with integrated GIS.”

2009. Pace University & Verizon Foundation *Thinkfinity Initiative Grant.* \$14,825 awarded for “Integrating ecology and information technology: Conserving natural resources.”

2008-2009. Lynn Chase Wildlife Foundation. \$2,500 awarded for “Predator-prey dynamics of pumas, sheep, and guanacos in the region of Torres del Paine National Park, Magallanes, Chile.”

2007-2009. Chilean Ministry of Agriculture. \$47,000 awarded for “Predator-prey dynamics of pumas, sheep, and guanacos in the region of Torres del Paine National Park, Magallanes, Chile.”

2007. Pace University. \$600 Summer Research Grant awarded for “Carnivore status and distribution at Rockefeller State Park Preserve.” Pleasantville, New York.

2006. Institute for the Study of Latin America and the Caribbean, University of South Florida. \$3000 to support graduate student travel to Chile, South America: Puma-Livestock Project.

2006. Choctawhatchee Audubon Society, Fort Walton Beach, Florida. \$600 to support Florida Burrowing Owl research at Eglin Air Force Base.

2005-2009. Pinellas County, Florida. \$200,000 awarded to study the Ecological Effects of Sub-Urban Coyote in the Brooker Creek Preserve and Surrounding Areas.

2005. Mosaic Phosphate Company. \$56,000 awarded to study the Translocation of the Fort Lonsome Burrowing Owl Population: Effects of Survival, Behavior, Site Fidelity, Dispersal, Home Range, and Nesting.

2003. U.S. Department of Defense. \$20,000 to conduct Mammal Biodiversity surveys on U.S. bases.

2003. White Oak Conservation Center of the Howard Gilman Foundation. \$22,500 given as *in-kind* support to host, Bioregional Strategic Planning Meeting for Sustainable Ecosystems through Neotropical Cat Protection and Recovery.

2002. University of South Florida New Researcher Grant. \$6,000 for research on Population Dynamics and Genetic Variation of the Florida Burrowing Owl: Implications for the Conservation and Management of a *Species of Special Concern*.

2002. Latin America and Caribbean Studies Program at University of South Florida. \$1000 awarded for Population Monitoring, Genetic Diversity, and Long-Term Viability of Vicunas in the Apolobamba National Integrated Natural Area, La Paz, Bolivia.

2002-2003. Globalization Research Center at University of South Florida. \$20,000 awarded for “Population Monitoring, Genetic Diversity, and Long-Term Viability of Vicunas in the Apolobamba National Integrated Natural Area, La Paz, Bolivia.”

2002. Summerlee Foundation. Matching grant to the US Fish and Wildlife Service for project, below.

2001. U.S. Fish and Wildlife Service and Mexican Ministry of Environment and Natural Resources. \$15,000

to conduct a “Bioregional Strategic Planning Meeting for Sustainable Ecosystems through Neotropical Cat Protection and Recovery.”

2000. Naturalia-Mexico. \$2,000 to design educational booklets about neotropical cats for ranchers and school children in northern Mexico.

1999. The Walt Disney Company Foundation. \$10,000 to determine the distribution and habitat requirements of the jaguarundi along the U.S./Mexico border.

1996. University of California, Davis: Center for Statistics in Science and Technology. National Science Foundation Summer Fellowship. \$6500 awarded for dissertation research.

1994. University of California, Davis. Natural Reserve System Graduate Student Grant. \$1200 awarded to conduct dissertation research.

1994. University of California White Mountain Research Fellowship. \$670 awarded to conduct dissertation research.

1994. Stockton Sportsmen's Club. \$500.00 awarded to conduct dissertation research.

1992. University of California, Davis. Nonresident Tuition Fellowship. Fellowship covered nonresident tuition expenses for a full academic year.

1989. World Wildlife Fund, Washington, D.C. \$3000 for research on the ecology and conservation of the West African Manatee (*Trichechus senegalensis*) in Cameroon, West Africa.

1989. The New York Zoological Society, Wildlife Conservation Society. \$3000 for research on the ecology and conservation of the West African Manatee (*Trichechus senegalensis*) in Cameroon, West Africa.

1983. School for Field Studies. Scholarship provided opportunity to study humpback whale ecology in the Gulf of Maine.

1982. Earthwatch Organization. Scholarship provided opportunity to study threatened bottlenose dolphins (*Tursiops truncatus*) in Gulf of Mexico and Sarasota Bay. Development of database for identifying individual dolphins. Collected data on: seasonal distributions; habitat preferences; feeding activity; social behavior.

PUBLICATIONS

Grigione, M.M., P. Beier, R.A. Hopkins, W.D. Padley, J.F. Quinn, C.M. Schonewald, J.H., Viers, and M.L. Johnson. (IN PREP). The effect of biological and anthropogenic features on Mountain Lion *Puma concolor* home range size and home range overlap in California. *Journal of Animal Ecology*.

Elbroch, M., R. Sarno, M. Grigione, B. Jansen, and H. Wittmer. (SUBMITTED). Determining best methods for capturing pumas in open country: A case study from Patagonia. *Oryx*.

Andrade, S.N., R.J. Sarno, J. Barreta, R. Sanchez, and M.M. Grigione. (SUBMITTED). Genetic variability of vicunas on the Apolobamba National Integrated Natural Management Area (ANMIN-A), Bolivia. *Conservation Genetics*.

Grigione, M.M., D. Manning, S. Clavio, P. Burman, S. Harper, and R. Sarno. (SUBMITTED). A comparative study between enteric parasites of coyotes in a protected and suburban habitat. *J. of Wildlife Diseases*.

Mueller, M.S., M.M. Grigione, and R.J. Sarno. 2011. Non-urban habitat use of Florida Burrowing Owls: Identifying

Areas of Conservation Importance. *Journal of Raptor Research*, 45(2):143-149.

Grigione, M.M., D. Manning, S. Clavio, P. Burman, S. Harper, and R. Sarno. 2011. Diet of Florida coyotes in a protected wildland and suburban habitat. *Urban Ecosystems* 14:655-663.

Grigione, M.M., K. Menke, C. Lopez, R. List, A. Banda, J. Carrera, R. Carrera, A. Caso, J. Morrison, M. Sternberg, R. Thomas, and B. Van Pelt. 2009. Identifying priority conservation areas in the U.S.-Mexico border region for North America's neotropical cats, the jaguar, jaguarundi and ocelot: A landscape approach. *Oryx*, 43(1):78-86.

Mrykalo, R., M.M. Grigione, and R. Sarno. 2009. A comparison of available prey and diet of Florida Burrowing Owls in urban and rural environments: A First Study. *The Condor*, 111(3):556-559.

Crooks, Kevin R., M.M. Grigione, A. Scoville, and G. Scoville. 2008. Distribution and relative activity of mammalian carnivores within the Peloncillo and Chiricahua Mountains. *Southwestern Naturalist*, 53(4):510-517.

Sarno, R.J., M.M. Grigione, and L.D. Arvidson. 2008. Lack of response of an open-habitat ungulate to the presence of predator urine. *Revista Chilena de Historia Natural*, 81:179-183.

Mueller, M.S., M.M. Grigione, and R.J. Sarno. 2007. Distribution of the Florida Burrowing Owl: The potential importance of non-urban areas. *Journal of Raptor Research*, 41(3):222-226

Grigione, M.M., A. Scoville, G. Scoville, and K.R. Crooks. 2007. Neotropical Cats in Southwest Arizona: Past and Present Distributions of Jaguars, Ocelots and Jaguarundis. *Journal of Neotropical Mammalogy*, 14(2):189-199.

Mrykalo, R.J., M.M. Grigione, and R.J. Sarno. 2007. Home range and dispersal of juvenile Florida Burrowing Owls. *Wilson Journal of Ornithology*, 119(2):275-279.

Shaw, H.G., P. Beier, M. Culver, and M. Grigione. 2007. Puma Field Guide. The Cougar Network, Concord, MA.

Manning, D.L., M.M. Grigione, R. Izurieta, S. Clavio, and R.J. Sarno. 2006. Intestinal Parasites of *Canis Latrans*: How healthy are Florida Coyotes? *Proceedings of the National Conference on Undergraduate Research (NCUR)*, 773-778.

Franklin, L.W. and M.M. Grigione. 2005. The enigma of guanacos in the Falkland Islands: The legacy of John Hamilton. *Journal of Biogeography*, 32:661-675.

Grigione, M.M., R. Sarno, M. Mueller, R. Mrykalo, and P. Nixon. 2005. Florida Burrowing Owls and Cattle Could Benefit Each Other. *The Florida Cattleman*.

Grigione, M.M. and R. Mrykalo. 2004. Effects of artificial night lighting on endangered Ocelots (*Leopardus pardalis*) and nocturnal prey along the United States-Mexico border: A literature review and hypotheses of potential impacts. *Urban Ecosystems*, 7:65-77.

Sarno, R., M. Grigione, L. Villalba, S. Aguilar, and J. Rushton. 2003. Conservación y uso económico de vicuñas en Bolivia. En: *Actas del III Congreso Mundial de Camélidos*, 1013-1016. Potosi, Bolivia

Grigione, M.M., P. Beier, R.A. Hopkins, D. Neal, W.D. Padley, C.M. Schonewald, and M.L. Johnson. 2002. Ecological and allometric determinants of home range size for Mountain Lions *Puma concolor* in California. *Animal Conservation*, 5: 317-324.

Grigione, M.M. and M.L. Johnson. 2002. The effects of roads on carnivores: A case study of mountain lions *Puma concolor* in California, p. 441-448 in D.J. Rapport, B. Lasley, D. Rolston, O. Nielsen, C.O. Qualset and A.B. Damania (eds) *Managing for Healthy Ecosystems*, Lewis Publishers, Boca Raton, Florida, USA.

Grigione, M.M., A. Caso, R. List, and C. Gonzalez-Lopez. 2001. Status and conservation of endangered cats along

the U.S.-Mexico border. *The Endangered Species Update*, 18: 129-132.

Grigione, M.M. and P. Burman. 2000. What is revealed in a mountain lions heel: Using heel shape to ascertain identity. *Transactions of the Western Chapter of The Wildlife Society*, 36:21-26.

Grigione, M.M., P. Burman, V.C. Bleich, and B.M. Pierce. 1999. Identifying individual Mountain Lions *Felis concolor* by their tracks: Refinement of an innovative technique. *Biological Conservation*, 88:25-32.

Grigione, M.M. 1997. Testing of "A rigorous technique for identifying individual Mountain Lions (*Puma concolor*) by their tracks." In W.D. Padley (ed), Proceedings of The Fifth Mountain Lion Workshop: 27 February-1 March 1996; San Diego, California.

Smallwood, K.S. and M.M. Grigione. 1997. Photographic recording of Mountain Lion tracks. In W.D. Padley (ed), Proceedings of The Fifth Mountain Lion Workshop: 27 February-1 March 1996; San Diego, California.

Grigione, M.M. January 1996. Observations on the status and distribution of the West African Manatee *Trichechus senegalensis* in Cameroon. *The African Journal of Ecology*, 34:189-195.

Caro, T.M., N. Pelkey and M. Grigione. January 1994. Effects of conservation biology education on attitudes toward nature. *Conservation Biology*, 3:846-852.

Grigione, M.M. October 1991. Status and distribution of the West African Manatee *Trichechus senegalensis* in Southwestern Cameroon. *Sirenews*. Newsletter of the IUCN/Species Survival Commission Sirenia Specialist Group. Daryl P. Domning, Editor. Howard University, Washington, D.C. Number 16.

Grigione, M.M. 1990. World Wildlife Fund Technical Report: Conservation of Africa's Western Rift Valley Lakes. Biodiversity Support Program at World Wildlife Fund. *World Wildlife Fund, U.S.A.* Washington, D.C.

Grigione, M.M. 1989. World Wildlife Fund Technical Report: Status and distribution of the West African Manatee *Trichechus senegalensis* in Korup National Park, Cameroon. *World Wildlife Fund, U.S.A.* Washington, D.C.

TEACHING EXPERIENCE

2006-Present. Associate Professor, Pace University, Department of Biology and Health Sciences.

Conservation Biology (graduate)

Wildlife Ecology (graduate)

Research Methods for Ecological Field Studies (graduate)

Environmental Science Graduate Seminar

General Biology

Biology for Non-majors

2001-2006. Assistant Professor, University of South Florida, Department of Environmental Science and Policy.

Animal Behavior and Conservation (graduate)

Geographical Information Systems and Wildlife Ecology (graduate)

Wildlife Ecology (graduate)

Research Methods for Wildlife and Habitats (undergraduate)

Introduction to Environmental Science (undergraduate)

2000 Adjunct Professor, University of Connecticut, Storrs. Department of Natural Resources, Management and Engineering.

Geographical Information Systems (GIS) in Ecology (graduate course)

Wildlife Research Methods (undergraduate)

1991-1997 Teaching Assistant, University of California, Davis.

Biological Oceanography
Environmental Analysis
Environmental Decision Making
General Biology
Human Heredity

Introduction to Environmental Studies
Invertebrate Zoology
Principles of Genetics
Principles of Genetics Lab

ACADEMIC SERVICE

Doctoral Dissertation Committees: Per Nixon (PhD/Env Science); Amanda Gillelande (PhD Env Science); Brian Halstead (PhD/Biology); Lance Arvidson (PhD/Biology), Sharon Wilcox (PhD/Anthro).

Masters Thesis Committees: Marnie Miller-Keas, David Spillo, Theresa Pellecchia, Budhiono Riyanto, Dario Dell'Anna, Leonardo Addati, Osamede Evbuomwan, Robert Mrykalo, Mark Mueller, Per Nixon, Sarah Clavio, Denara Manning, Celina Bellanceau (Co-Chair/Biology Dept), Kim Hum, Liesl Wiesen, Autumn Schwab, Kara Teague, Cheri Irby.

Undergraduate Students in Lab and Field: Kevin McIntyre, Charles Johnson, Katherine Alvarado, Rachel Merte, Michelle Dachsteiner, Amber Duerr, Brian Brooks, Monique Baughman, Catherine Hughes, Jean Keene, Laura Senkevitch, Gina Squillante, Courtney Smith, Carmine Cappa, Casey Blake, Carmine Gaudio.

1998-1999. Thesis Committee Adviser for Ingrid Latchis -- External Member. University of Maryland, College Park.

1994-1997. Graduate student member of the University of California Natural Reserve System Administrative Advisory Committee.

CONFERENCE PRESENTATIONS

Tolan, M. and M.M. Grigione. Developing effective strategies for teaching business students about the environment. 49th Annual Meeting of the Eastern Academy of Management. Philadelphia, PA. **May 2012.**

Tolan, M. and M.M. Grigione. Developing effective strategies for teaching business students about the environment. Center for Adolescent Research and Development Annual Conference on Adolescence in the 21st Century. Mount Saint Mary College, New York. **April 2012.**

Bandak, S., Farkas, D., and M.M. Grigione. The use of camera trapping techniques to assess the relationship between mammalian carnivore assemblages and hiking trails in Westchester County, NY. The Northeast Natural History Conference. Syracuse, New York. **April 2012.**

Grigione, M.M., Farkas, D., and R. Kays. Study of carnivore populations on Rockefeller properties, Westchester County, NY. Pocantico Forum of the Rockefeller Brothers Fund. Cary Institute for Ecosystem Studies, Millbrook, New York. **February 2012.**

Hogan, B., Marconi, M., Grigione, M., and R. Sarno. Preliminary study of interspecific interactions between American Oystercatchers and Piping Plovers, Gateway National Recreation Area, New York. Atlantic Coast Piping Plover and Least Tern Workshop. National Conservation Training Center, Shepherdstown, West Virginia. **January 2012.**

Grigione, M.M., Farkas, D., and R. Kays. Study of carnivore populations on Rockefeller properties, Westchester County, NY. Pocantico Forum of the Rockefeller Brothers Fund. Pocantico Hills, New York. **October 2011.**

Grigione, M.M., Hogan, B., Marconi, M., and R. Sarno. Preliminary study of interspecific interactions between American Oystercatchers and Piping Plovers, Gateway National Recreation Area, New York. United States Fish and Wildlife Service, Fire Island National Seashore, New York. **August 2011.**

Spillo, D., Bandak, S., Farkas, D., and M. Grigione. The effects of deer on carnivore assemblages in Westchester County, NY. The Northeast Natural History Conference 2011. Albany, New York. **April 2011.**

Miller-Keas, M., McGowen, E., Shook, M., and M. Grigione. Nesting movements, juvenile recruitment and management of three turtle species of Greatest Conservation Need within southern New York State Park Lands. The Northeast Natural History Conference 2011. Albany, New York. **April 2011.**

Grigione, M. and R. Sarno. Puma predation on sheep in Magallanes, Chile: Conserving top predators and local livelihoods. 2011 Lyceum of Natural History series. Palisades Interstate Parks League of Naturalists (PIPLON). Tuxedo, New York. **March 2011.**

Johnson, C., Alvarado, K., Squillante, G., Spillo, D., Farkas, D., and M. Grigione. Monitoring sensitive species in Westchester County with Integrated GIS. Eastern Colleges Science Conference, Pleasantville, New York. **April 2010.**

Grigione, M. and K. Menke. Identifying priority regions for the conservation of three neotropical felid species in the U.S.-Mexico Border Region. Carnivores 2009: Carnivore Conservation in a Changing World. Defenders of Wildlife. Denver, Colorado. **November 2009.**

Barrera, K., Sarno, R.J., Soto, N., and M. Grigione. Puma predation on sheep in Magallanes, Chile: Conserving top predators and local livelihoods. Simposio Carnivores 2009: Complejidades en la Biología de la Conservación. Santiago, Chile. **October 2009.**

Sarno, R.J., Orli, R., Wells, A., and M. Grigione. Puma predation on sheep in Magallanes, Chile: Conserving top predators and local livelihoods. Xth International Congress of Mammalogy (IMC-10), Mendoza, Argentina. International Federation of Mammalogists. **August 2009.**

Grigione, M.M. Conservation challenges for Top Predators: Pumas in Chile, Patagonia. Beardsley Zoo. Bridgeport, Connecticut. **June 2009.**

Wells, A. and M. Grigione. Analyzing track data to investigate population density in pumas. The Eastern Colleges Science Conference (ECSC), Wagner College, Staten Island, New York. **April 2009.**

Grigione, M.M., and R.J. Sarno. Puma predation on sheep in the region of Torres del Paine National Park, Magallanes, Chile: Conserving top predators and local livelihoods. Wildlife Conservation Society, New York Zoological Society, Bronx, New York. **June 2008. Invited Speaker.**

Grigione, M.M., Clavio, S., Manning, D. and R.J. Sarno. Coyote diet, parasites, and genetic structure in protected and urban areas, Florida. The Northeast Natural History Conference X. Albany, New York. **April 2008.**

Grigione, M.M., and R.J. Sarno. Puma predation on sheep in the region of Torres del Paine National Park, Magallanes, Chile: Conserving top predators and local livelihoods. United States State Department, Office of Environmental Policy, Washington, D.C. **March 2008. Invited Speaker.**

Grigione, M.M. Identifying priority habitats in the U.S. and Mexico for North America's Neotropical Cats: An International Effort. Fordham University, Department of Biological Sciences, NY. **March 2008. Invited Speaker.**

Sarno, R.J. and M.M. Grigione. Interactions between Puma and Sheep: An applied investigation. University of Magallanes, Chile, Patagonia. **August 2007. Invited Speaker.**

Sarno, R.J. and M.M. Grigione. Identification of potential predators to domestic livestock in Chile. Chilean Ministry of Agriculture. Punta Arenas, Chile. **August 2007. Invited Speaker.**

Grigione, M.M. Defenders of Wildlife's Carnivores 2006 conference. Scientific Advisory Committee member and Moderator for session on Predator-Prey Relations. **November 2006.**

Clavio, S. and M.M. Grigione. Population size determination of coyotes in Pinellas County (FL) using fecal DNA analysis. Defenders of Wildlife's Carnivores 2006 conference. St. Petersburg, FL. **November 2006.**

Nixon, P. and M.M. Grigione. The effects of translocation on Florida Burrowing Owls. Defenders of Wildlife's Carnivores 2006 conference. St. Petersburg, FL. **November 2006.**

Manning, D. and M.M. Grigione. An ecological study of coyotes in Pinellas County (FL) based on non-invasive fecal examinations. Defenders of Wildlife's Carnivores 2006 conference. St. Petersburg, FL. **November 2006.**

Mrykalo, R. and M.M. Grigione. Florida Burrowing Owls in a rural environment: Elucidating the spatial ecology and comparison of diet. Defenders of Wildlife's Carnivores 2006 conference. St. Petersburg, FL. **November 2006.**

Mueller, M., Grigione, M.M., Sarno, R.J. and R. Mrykalo. Distribution and habitat use of the Florida Burrowing Owl (*Athene cunicularia floridana*) in non-urban areas. Defenders of Wildlife's Carnivores 2006 conference. St. Petersburg, FL. **November 2006.**

Mueller, M., Grigione, M.M., Sarno, R.J. and R. Mrykalo. Distribution and habitat characterization of the Florida Burrowing Owl (*Athene cunicularia floridana*) in non-urban areas. Audubon Society. St. Petersburg, FL. **October 2006. Invited Speaker.**

Manning, D.L., M.M. Grigione, R. Izurieta, S. Clavio, and R.J. Sarno. An ecological study of coyotes (*Canis latrans*) in Pinellas County, Florida, USA. The Wildlife Society. Anchorage, Alaska. **September 2006. Poster presentation.**

Manning, D.L., M.M. Grigione, R. Izurieta, S. Clavio, and R.J. Sarno. Coyotes (*Canis latrans*) in suburban Florida: Intestinal parasites and zoonotic importance. University of South Florida: Graduate Research Symposium, Tampa, FL. **April 2006.**

Manning, D.L., M.M. Grigione, R. Izurieta, S. Clavio, and R.J. Sarno. Intestinal Parasites of *Canis Latrans*: How Healthy Are Florida Coyotes. National Conference on Undergraduate Research. University of North Carolina, Asheville. **April 2006.**

Wilcox, S., Grigione, M. M., Menke, K., & Thomas, R.E. The Bordercats Working Group: Protecting Neotropical Cats in the U.S./Mexico Borderlands. Poster Presentation. Twenty-Fifth Annual ESRI International User Conference, San Diego, CA. **July 2005. Invited Presenter.**

Wilcox, S., Grigione, M. M., Menke, K., & Thomas, R.E. The Bordercats Working Group: Protecting Neotropical Cats in the U.S./Mexico Borderlands. Eighth Annual SCGIS Conference, Monterey, CA. **July 2005. Invited Speaker & Poster Presenter.**

Grigione, M.M. Border Security Policies and their Impacts on the Environment and Environmental Community. Panel Discussion. Fifth Meeting on the Border Environment, Rosarito, Baja California. **May 2005. Invited Speaker.**

Wilcox, S., Grigione, M.M. and K. Menke. The Bordercats Working Group: Protecting Neotropical Cats in the U.S./Mexico Borderlands. Poster Presentation. Fifth Meeting on the Border Environment, Rosarito, Baja California. **May 2005.**

Mueller, M., Grigione, M.M., Sarno, R.J. and R. Mrykalo. Habitat Suitability Modeling for the Florida Burrowing Owl. Poster Presentation. The Association of American Geographers 2005 Annual Meeting, Denver, CO. **April 2005.**

Grigione, M.M. and K. Menke. Identifying priority habitats in the U.S. and Mexico for North America's Neotropical Cats: An International Effort. US Fish and Wildlife Service Region 2, Brown Bag Lunch Series, Albuquerque, NM. **March 2005. Invited Speaker.**

Grigione, M.M. and K. Menke. Identifying priority habitats in the U.S. and Mexico for North America's Neotropical Cats: An International Effort. Borderlands Ecological Symposium, Tucson, Arizona. **March 2005.** *Invited Speaker.*

Grigione, M.M. Opportunities and Constraints for Neotropical Cat Conservation in the Border Region of U.S.-Mexico. San Diego Natural History Museum and the American Association of Zoo Keepers, San Diego, California. **January 2005.** *Invited Speaker.*

Grigione, M.M. and K. Menke. Identifying priority habitats in the U.S. and Mexico for North America's Neotropical Cats: An International Effort. U.S. Fish and Wildlife Service, Ocelot Recovery Team, Haligen, Texas. **December 2004.** *Invited Speaker.*

Grigione, M.M. and K. Menke. Identifying priority habitats in the U.S. and Mexico for North America's Neotropical Cats: An International Effort. Biology Departmental Seminar Series, Emory University, Atlanta, Georgia. **November 2004.** *Invited Speaker.*

Grigione, M.M. Tracks and behavior of large North American cats (cougar, jaguar, jaguarundi, ocelot) and applications to wildlife conservation. Department of Biology, Emory University, Atlanta, Georgia. **November 2004.** *Invited Speaker.*

Menke, K. and M. Grigione. Identifying Priority Habitats in the U.S.-Mexico Border Region for America's Neotropical Cats: Jaguar, Jaguarundi and Ocelot. New Mexico Geographic Information Council Fall Meeting Conservation GIS. University of New Mexico, Albuquerque, NM. **October 2004.**

Grigione, M.M. and K. Menke. Identifying Priority Habitats in the U.S.-Mexico Border Region for North America's Neotropical Cats, the Jaguar, Jaguarundi and Ocelot: An International Effort. 2004 Earth Systems Research Institute (ESRI) International User Conference, San Diego, CA. **August 2004.**

Grigione, M.M. Conservation of Neotropical Cats in the United States-Mexico border region. Wild Cat Conservation Learning Experience. University of California at Los Angeles. **July 2004.** *Invited Speaker.*

Grigione, M.M. Science and the Endangered Species Act. Living Environment Seminar Series. Department of Biology, New York University. **June 2004.** *Invited Speaker.*

Grigione, M. and R. Sarno. Conservation of Vicunas in the Apolobamba National Integrated Natural Management Area, Bolivia, amidst economic exploitation. The Globalization Research Center, University of South Florida. **September 2002.** *Invited Speaker.*

Babson, K. and M. Grigione. Bordercats in Arizona: Past, present and future. On Safari Bengal Cat Symposium. Tucson, Arizona. **September 2002.**

Grigione, M. Turning night into day: the effects of artificial night lighting on endangered animal species and other mammals. The Urban Wildlands Group and UCLA Institute of the Environment's *Ecological Consequences of Artificial Night Lighting* conference. **February 2002.** *Invited speaker.*

Grigione, M. The Impacts of Wildlife Management on Cat Conservation, Using the Mountain Lion as an Example. 6th Mountain Lion Workshop. San Antonio, Texas. **December 2000.** *Invited speaker of Discussion Forum: Challenges in Mountain Lion Conservation and Management.*

Grigione, M. and P. Burman. Using Mountain Lion Heel Pads to Ascertain Identity: Implications for Management and Conservation. 6th Mountain Lion Workshop. San Antonio, Texas. **December 2000.** *Invited speaker.*

Grigione, M., R. List and C. Lopez. The Status and Distribution of Neotropical Cats in the US-Mexico Border Region. *Carnivores 2000.* Denver, Colorado. **November 2000.** *Invited speaker and moderator.*

Viers, J., M. Grigione and J. Quinn. Biogeographic Analysis of Mountain Lions. The Society for Conservation

Geographical Information Systems. Borrego Springs, California. **June 2000.**

Grigione, M. Conservation of Neotropical Cats in the United States: Fragmentation and the International Border. National Wildlife Federation's Endangered Cats of North America Workshop. White Oak Conservation Center, Yulee, Florida. **February 2000.** *Invited speaker.*

Grigione, M. and M.L. Johnson. The Effects of Roads on Mountain Lions in California. International Congress on Ecosystem Health, Sacramento, California. **August 1999.** *Invited speaker.*

Grigione, M., McCoy, M., Quinn, J. and J. Viers. Critical Habitat Identification for Mountain Lion *Puma concolor* through Biogeographic Analysis within a GIS. Environmental Systems Research Institute International User Conference, San Diego, California. **July 1999.**

Grigione, M. The Importance of Life History, Demographic, and Ecological Variables in Predicting Home Range Size for Mountain Lions *Puma concolor* in California. The Wildlife Society, Buffalo, New York. **September 1998.**

Grigione, M. and M.L. Johnson. The Effect of Biological and Anthropogenic Features on Mountain Lion *Puma concolor* Home Range Size and Home Range Overlap in California. American Society of Mammalogists, Blacksburg, Virginia. **June 1998.**

Grigione, M. Testing of a Rigorous Method for Identifying Individual Mountain Lions *Puma concolor* by their Tracks. Fifth Mountain Lion Workshop, San Diego, California. **March 1996.**

Smallwood, K.S. and M. Grigione. Photographic Recording of Mountain Lion Tracks. Fifth Mountain Lion Workshop, San Diego, California. **March 1996.**

PROFESSIONAL ORGANIZATIONS

American Society of Mammalogists, 1990-present.

National Fellow. The Explorer's Club, New York, NY.

IUCN/Species Survival Commission. Cat Specialist Group, invited member from 1996-present. Switzerland.

Round River Conservation Studies, Research Associate and Field Advisor, 1999-present.

Society For Conservation Biology, 1988-present.

The Wildlife Society, 1990-present.

PUBLIC OUTREACH

Panther Science Workshop 2007

Invited panelist

Sponsored by private land owners in Florida and the non-profit community

Marriot Hotel, Tampa, Florida

President: Weinberg Nature Center 2007-Present

Scarsdale, New York

Florida Panther Recovery Plan 2006-2007

Scientific consultant for Defenders of Wildlife, Washington, D.C.

Carnivores 2006 Conference: Habitats, Challenges and Opportunities

Advisory Committee

Sponsored by Defenders of Wildlife, Washington, D.C.

Hilton Hotel, St. Petersburg, FL

Pinellas County Environmental Science Forum 2006-Present

Invited Member

Office of County Administrator, Pinellas County, FL

Wildlife Tracking Workshops 2005

Contributor

Defenders of Wildlife, St. Petersburg, FL

Unified Endangered Species Campaign 2005

Scientists' Dialogue on Endangered Species Act

Invited member

Sponsored by the National Wildlife Federation, Earthjustice Institute, Natural Resources Defense Council, Center for Biological Diversity, Sierra Club, and the Endangered Species Coalition. Washington, D.C.

Board of Directors: Lifescape International, Inc. 2006-Present

Lindenhurst, New York.

U.S. Dept of the Interior, Fish and Wildlife Service 2003-Present

Member of the Ocelot Recovery Team

Media Interviews

Effects of Artificial Night Lighting on Mammals, January 2002-September 2002.

A. Bridges, Associated Press

P. Spats, Christian Science Monitor

E. Sigliano, Discovery Magazine

K. Wong, New Scientist Magazine

D. Malakoff, Science Magazine

R. Alessi, Scripts Howard News Service

Protecting Cats Along the Border, March 2000

T. Faulkner, Interhemispheric Resource Center

America's Neotropical Cats, January 2000

B. Betson, Arizona League of Conservation Voters

Ocelot Conservation in Texas, August 1999

M. Badan, Associated Press

D. Schiller, San Antonio Express

T. Monoson, States News Source

M. Linsalata, Valley Morning Star

E. Flato, Global Horizons

M. Coster, Department of Justice, Immigration and Naturalization Service, General Counsels Office

Documentaries

December 2003. Science and the Endangered Species Act. Documentary produced by the Earth Justice Institute for the United States Congress. Washington, D.C.

Expert Testimony

February 2000. United States District Court for the District of Columbia. Immigration and Naturalization Service's Operation Rio Grande. Effects of lights on ocelots and jaguarundis along the Rio Grande River.

December 1998. Public Comment on the Draft Environmental Assessment for Operation Rio Grande.

REVIEWER FOR

Granting Bodies

National Science Foundation, Washington, D.C.

U.S. Geological Survey: Biological Resources Division's *Species at Risk Program*
Earthwatch Institute, Oxford, United Kingdom

Journals

Acta Theriologica

Animal Conservation

Conservation Genetics

Ethology

Journal of Applied Ecology

Journal of Mammalogy

Journal of Tropical Ecology

Journal of Wildlife Management

ORYX

Southwestern Naturalist

Wildlife Society Bulletin (publication of The Wildlife Society)

Publishing Companies

Island Press, *The Environmental Publisher*

McGraw Hill

REFERENCES

Dr. Rich Oches (former Chair, Dept of Env Science & Policy, USF)*

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Dr. Mike Johnson (Ph.D. advisor)*

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***Letters being mailed/Please request letters of recommendation from the following Professors.**