

# MADDALENA BEARZI

# CURRICULUM VITAE

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## EDUCATION

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POSTDOCTORAL FELLOW, ECOLOGY & OUTREACH EDUCATION <i>University of California</i> Curriculum development for ecological studies	2003 – 2004 <i>Los Angeles, California</i>
Ph.D., BIOLOGY <i>University of California</i> Dissertation: Ecology of marine mammals in Santa Monica Bay, California	1998 – 2003 <i>Los Angeles, California</i>
BACHELOR OF SCIENCE DEGREE IN NATURAL SCIENCE <i>University of Padova</i> Thesis: Home range and homing of <i>Podarcis sicula campestris</i> De Betta, 1857 ( <i>Reptilia, Lacertidae</i> ) in the Tombolo Natural Reserve (Pisa, Italy)	1985 – 1989 <i>Padova, Italy</i>

## MAJOR PROFESSIONAL INTERESTS

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*Education, Public Awareness and Capacity Building Action to Promote Conservation of Marine Resources*  
*Popular Science Writing*  
*Photo-Journalism*  
*Marine Mammal & Sea Turtle Ecology, Conservation and Management*

## EXPERIENCE IN ECOLOGY, CONSERVATION & EDUCATION

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OCEAN CONSERVATION SOCIETY <i>Co-Founder and President</i> Conducting marine mammal research and educational programs on environmental issues; obtaining funding for ocean related projects; increasing public awareness of environmental problems facing marine and other ecosystems through development and dissemination of educational materials, curricula, lectures, workshops, reports, etc; providing student programs, on-the-water internships and mentorships for experiences in field research and in-depth look at the anthropogenic effects on our environment; training research assistants and volunteers.	WINTER 1998 – PRESENT <i>Los Angeles, California</i>
OCEAN TECHNOLOGY & ENVIRONMENTAL CONSULTING <i>Consultant</i> Advised on different aspects of ocean science, marine research and environmental problems; also provide consulting for scientific writing.	2009- 2011 <i>San Francisco, California</i>
UNIVERSITY OF SOUTHERN CALIFORNIA <i>Visiting Student</i> Conducted a comparative study on dolphins and African apes sympatric ecology.	2002 – 2004 <i>Los Angeles, California</i>
ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE <i>Credited student</i> Participated in ESRI course encompassing practical scientific application of Arcview GIS and ArcGIS.	JUNE 2000, JUNE 2007 <i>Redlands, California</i>
TETHYS RESEARCH INSTITUTE/EUROPE CONSERVATION <i>Director and Principal Investigator, Yucatan Project</i> PI for study the ecology of sea turtles ( <i>Eretmochelys imbricata</i> , <i>Chelonia mydas</i> ) and bottlenose dolphins ( <i>Tursiops truncatus</i> ) in the Rio Lagartos and the El Palmar Reserves (Yucatan, Mexico); built local awareness and capacity for marine and land conservation through education and outreach programs; developed guidelines for protection of	1991 – 1999 <i>Yucatan, Mexico</i>

sea turtles; trained research assistants, conducting lectures and field research; authored technical reports, conservation work plans and funding proposals.

MARINE TURTLE CONSERVATION AND RESEARCH PROGRAM (CHELON) 1992 – 1998  
*Vice-President, Chelon* Rome, Italy  
Co-directed a non-profit organization dedicated to conservation and management of sea turtles; increased public awareness of problems facing marine reptiles through lectures, research as well as development and dissemination of educational and conservation programs.

TETHYS RESEARCH INSTITUTE 1990 – 1998  
*Principal Investigator* Milan, Italy  
Conducted marine mammal research in the Mediterranean sea; trained research assistants and volunteers for field work; lectured on various topics; wrote newsletters on research and environmental issues.

UNIVERSITY OF PADOVA 1989 – 1990  
*Research Assistant, Environmental Analysis Program* Padova, Italy  
Conducted and managed environmental impact studies in Northern Italy.

UNIVERSITY OF PARMA 1986 – 1991  
*Research Assistant* Parma, Italy  
Conducted ecological and conservation investigations on reptiles and birds in Tuscany and Sardinia, Italy.

## UCLA TEACHING EXPERIENCE

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UNIVERSITY OF CALIFORNIA SPRING 2010  
*Lecturer, UCLA Extension (Workshop on The Parallel Lives of Great Apes and Dolphins based on my book)* Los Angeles, California

UNIVERSITY OF CALIFORNIA WINTER 2007, SUMMER 2009  
*Lecturer, UCLA Extension (Workshop on Marine Mammals in Our Backyard)* Los Angeles, California

UNIVERSITY OF CALIFORNIA SPRING 2006  
*Lecturer, UCLA Extension (Oceans: New Frontiers)* Los Angeles, California

UNIVERSITY OF CALIFORNIA WINTER 2003 – 2004  
*Lecturer, UCLA Extension (Dolphins, Whales and Seals: The Fascinating World of Marine Mammals and their Conservation)* Los Angeles, California

UNIVERSITY OF CALIFORNIA WINTER 2003 – 2004  
*Scientific Supervisor, OBEE 199I (Independent Projects)* Los Angeles, California

UNIVERSITY OF CALIFORNIA FALL 2003, 2004  
*Lecturer, OBEE C109 (Introduction to Marine Biology)* Los Angeles, California

UNIVERSITY OF CALIFORNIA SPRING 2003 – 2004  
*Scientific Supervisor, OBEE 195 (Independent Projects)* Los Angeles, California

UNIVERSITY OF CALIFORNIA WINTER 2002 – 2003  
*Lecturer, OBEE 98T (Marine Mammals: Their Ecology and Conservation)* Los Angeles, California

UNIVERSITY OF CALIFORNIA SPRING 2001– 2002  
*Scientific Supervisor, OBEE 199I (Independent Projects)* Los Angeles, California

UNIVERSITY OF CALIFORNIA SPRING 2000 – 2001  
*Teaching Assistant, OBEE 25 (Oceans)* Los Angeles, California

UNIVERSITY OF CALIFORNIA SPRING 1999 – 2000  
*Teaching Assistant, Life Science I* Los Angeles, California

## OTHER EXPERIENCES

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### POPULAR SCIENCE WRITER

- “Beautiful Minds: The Parallel Lives of Great Apes and Dolphins”, co-authored with C. Stanford. Harvard University Press (2008)
- “Flukeprints: A Journey between Mind and Nature”. Chicago University Press (forthcoming Spring 2012)

### PHOTO-JOURNALIST

Author of over 350 popular science, nature, and conservation articles for european magazines and national newspapers

### TV ENVIRONMENTAL REPORTER

Environmental correspondent for Rai 3 (*King Kong: Un Pianeta da Salvare*), one of three main Italian TV networks.

## PROFESSIONAL AFFILIATIONS

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Dolphin Biology & Conservation, Research Team	2011 – PRESENT
American Cetacean Society/LA Scientific Advisory Board Member	2009 – PRESENT
UCLA Alumni Association Life Honorary Member	2002 – PRESENT
Society of Marine Mammalogy Member	2001 – PRESENT

## FELLOWSHIPS, GRANTS & AWARDS

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Santa Monica Bay Restoration Commission Grant (\$ 223,000.00); Professional Development Award, UCLA; UCLA Postdoctoral Fellowship (\$ 18,700.00); Dr. Thomas James Memorial Fund Award (\$ 500.00); Alumni Association Award, Outstanding Graduate Student and Chancellor’s Service Award \$ 500.00, Life Membership - UCLA Alumni Association); Collegium of University Teaching Fellows (\$ 5,340.00); OBEE Department Research Grant Support (\$ 332.00); Charles E. and Sue K. Young Graduate Student Award (\$ 5,000.00); Coastal Environmental Quality Initiative Fellowship (\$ 50,000.00); OBEE Department Research Grant Support (\$ 1,000.00); Fishbaug Scholarship (\$2,000.00) and Adopt-a-Scholar (\$500.00); The Affiliates UCLA, Research Mentorship Fellowship, University of California, L.A. (\$ 19,874.00); Santa Monica Bay Restoration Project, educational grant (\$ 14,000.00); Award of Fellowship Support for the 1999-2000 academic year, UCLA (\$ 9,400.00); ESRI grant (GIS courses, software, etc); American Cetacean Society (\$ 1,000.00).

## INVITED PARTICIPATION IN SEMINARS, PRESENTATIONS & MEETINGS

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2011	Invited speaker, Loyola Marymount University, Los Angeles, CA. Invited Panelist, Southern California Marine Mammal Workshop, Newport Beach, CA.
2010	Guest of honor, Veterinarian Conference, Tenerife, Canary Islands. Invited speaker, Scripps Institute of Oceanography, La Jolla, CA. Invited speaker, American Cetacean Society, San Pedro, CA.
2009	Invited speaker, Caltech University, Pasadena, CA.
2008	Invited speaker, American Cetacean Society, San Pedro, CA. Invited speaker, Museum of Natural History of Los Angeles, Los Angeles, CA. Invited speaker, Skidaway Institute, Savannah, GA.
2007	Invited speaker, California State University, Long Beach, CA.
2006	Invited speaker, SCCRWP, Los Angeles, CA.
2005	Invited speaker, Santa Monica Bay Restoration Commission, Los Angeles, CA. Invited speaker, Los Angeles Zoo, Los Angeles, CA. Invited speaker, American Cetacean Society, San Pedro, CA.
2004	Invited speaker, Behavioral Ecology Monthly Meeting, UCLA, Los Angeles, CA.
2003	Invited lecturer, COSEE WEST (UCLA & USC lecture series), Los Angeles, CA.
2002	Invited lecturer, OBEE 98T, UCLA, CA.
2001	Invited speaker, Museum of Natural History of Los Angeles, Los Angeles, CA.

- 2000 Invited lecturer, OBEE Ocean 25, UCLA, CA.  
Invited lecturer, University of Southern California, Marine Biology Seminar, Los Angeles, CA.
- 1999 Invited speaker, American Cetacean Society, San Pedro, CA.
- 1997 Invited speaker, OTS-Roundhouse Aquarium, Manhattan Beach, CA.
- 1996 Invited speaker, Tethys Research Institute, Milan, Italy.

## BOOKS & PEER-REVIEWED PUBLICATIONS

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- Bearzi, M. Forthcoming March 2012. Dolphin Confidential: Confessions of a Marine Biologist. Chicago University Press.
- Bearzi, M. and C. Saylan. In press. Cetacean ecology for Santa Monica Bay and nearby areas, California, in the context of the newly established MPAs. Southern California Academy of Sciences Bulletin.
- Bearzi, M. and C.B. Stanford. 2010. A Bigger, better brain. American Scientist 98:2-9.
- Bearzi, M. and K. Patonai. 2010. Occurrence of the barnacle (*Xenobalanus globicipitis*) on coastal and offshore common bottlenose dolphins (*Tursiops truncatus*) in Santa Monica Bay and adjacent areas, California. Southern California Academy of Sciences Bulletin 109(2):15-22.
- Bearzi, M., C. Saylan, and J. Feenstra. 2009. Seabird observations during cetacean surveys in Santa Monica Bay, California. Southern California Academy of Sciences Bulletin 108(2):63-69.
- Bearzi, M. 2009. Dolphins in the water off California. Pp. 116-117 In: Thoreau's Legacy: American Stories about Global Warming. R. Hayes, ed. Union of Concerned Scientists/Penguin Classics, Cambridge, MA.
- Bearzi, M., C. Saylan, and A. Hwang 2009. Ecology and comparison of coastal and offshore bottlenose dolphins (*Tursiops truncatus*) in California". Journal of Marine and Freshwater Research 60(6):584-593.
- Bearzi, M., S. Rapaport, J. Chau, and C. Saylan. 2009. Skin lesions and physical deformities of coastal and offshore common bottlenose dolphins (*Tursiops truncatus*) in Santa Monica Bay and adjacent areas, California. Ambio 38(2):66-71.
- Bearzi, M. and C. Saylan. 2008. A hand-held, PDA based system for seabird data collection during cetacean surveys. Journal of Marine Animals and Their Ecology (1)1:9-11.
- Bearzi, M., C. Saylan, and C. Barroso. 2008. Pinniped ecology in Santa Monica Bay, California. Acta Zoologica Sinica 54(1):1-11.
- Bearzi, M. and C.B. Stanford. 2008. Beautiful Minds: The parallel Lives of Great Apes and Dolphins. Harvard University Press. 351 pp.
- Bearzi, M. and C.B. Stanford. 2007. Dolphins and African apes: comparisons of sympatric socio-ecology. Contributions of Zoology 76(4):235-254.
- Navarro, M.O. and M. Bearzi. 2007. Affect of Marine Mammals on Sport Fishery in the Santa Monica Bay, California. Southern California Academy of Science Bulletin 106(3):215-217.
- Bearzi, M. 2006. California sea lions use dolphins to locate food. Journal of Mammalogy 87(3):606-617.
- Bearzi, M. 2005. Habitat partitioning by three species of dolphins in Santa Monica Bay, CA. Southern California Academy of Science Bulletin 104(3):113-124.
- Bearzi, M. 2005. Dolphin sympatric ecology. Marine Biology Research 1:165-175.
- Bearzi, M. 2005. Aspects of the ecology and behaviour of bottlenose dolphins (*Tursiops truncatus*) in Santa Monica Bay, California. Journal of Cetacean Research and Management 7(1):75-83.

- Bearzi, M. 1996. Sea turtles in the El Palmar Reserve, Yucatan: A preliminary study. *Marine Turtle Newsletter*, 75:18-20.
- Politi, E., M. Bearzi, G. Notarbartolo di Sciara, E. Cussino and G. Gnone. 1992. Distribution and frequency of cetaceans in the waters adjacent to the Greek Ionian Islands. *European Research on Cetaceans*, 6:75-78.

### **THESIS, REPORTS, ETC.**

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- Bearzi, M. 2009. Sea lions and dolphins in Santa Monica Bay, CA. Abstract, Workshop on Marine Mammals, Newport, California.
- Bearzi, M. 2005. Do sea lions follow dolphins to enhance their foraging success? Abstract, Proceedings of The XV Biennial Conference on the Biology of Marine Mammals, December 12-16, San Diego, California.
- Bearzi, M. 2003. Behavioral ecology of the marine mammals of Santa Monica Bay, California. Ph.D. Dissertation, University of California, Los Angeles. 239 pp.
- Bearzi, M. 2001. Observations on two species of common dolphins in the Santa Monica Bay, CA. Abstract, Proceedings of The 15<sup>th</sup> Annual Conference of the European Cetacean Society, May 6-10, Rome, Italy.
- Bearzi, M. 2001. Observations on two species of common dolphins in the Santa Monica Bay, CA. Abstract, Biology Research Symposium, UCLA Department of Organismic Biology, Ecology, and Evolution, May 14, Los Angeles, CA.
- Bearzi, M. 2001. Spatial habitat partitioning between three dolphin species in Santa Monica Bay, CA. Abstract, Proceedings of The XIV Biennial Conference on the Biology of Marine Mammals, November 28-December 4, Vancouver, British Columbia, Canada.
- Bearzi, M. 2000. First contribution to the knowledge of marine mammals in the Santa Monica Bay, California. Biology Research Symposium, Department of Organismic Biology, Ecology, and Evolution, University of California, May 9, 2000, Los Angeles, CA.
- Bearzi, M. and B. Steinmetz. 2000. Preliminary observations on marine mammals in the Santa Monica Bay, California. Abstract, Southern California Academy of Science, 2000 Annual Meeting, May 19-20, 2000, Los Angeles, CA.
- Bearzi, M. 1999. The Los Angeles Dolphin Project. Preliminary Report, Santa Monica Bay Restoration Project. 2 p.
- Bearzi, M. 1999. Data on marine mammals collected during inshore surveys in the Santa Monica Bay, California. Preliminary Report, Chambers & Ass. 8 p.
- Bearzi, M. 1999. Preliminary observations on marine mammals in the Santa Monica Basin, California. Abstract, Proceedings of The XIII Biennial Conference on the Biology of Marine Mammals, November 27-December 3, Maui, Hawaii.
- Bearzi, M. 1996. Sea turtles survey to evaluate the human impact in the influence area of salt extraction industry (Rio Lagartos, Yucatan, Mexico). Final Report, Industria Salinera de Yucatan, Mexico. 5 p.
- Bearzi, M. 1996. The El Palmar Project in the Yucatan Peninsula. Universidad Campechana, IX Taller Regional sobre Programas de Conservacion de Tortugas Marinas en la Peninsula de Yucatan, 7-10 February 1996, Campeche, Mexico.
- Bearzi, M. 1996. Bottlenose dolphins in El Palmar and Rio Lagartos Reserves (Yucatan, Mexico): a preliminary study. Proceedings of The American Cetacean Society Conference, 8-11 November 1996, San Pedro, CA.
- Bearzi, M. 1992-93. The Yucatan sea turtle project. Tethys Research Institute Technical Report TRI 94-01: 8.
- Bearzi, M. 1991. Il programma vertebrati. Proceedings 12th National Conference of the Scientific Museum Italian Society. Pordenone, Italy, 31 May-2 June, 1991.
- Bearzi, M. 1989. Osservazioni sull'estensione dell'home range e sulle capacità di homing in *Podarcis sicula campestris* De Betta, 1857 (*Reptilia, Lacertidae*) all'interno dell'area di Tombolo (Pisa). Tesi di laurea in Scienze Naturali. Università degli Studi di Padova. 145 pp.

Foà, A., M. Bearzi and N.E. Baldaccini. 1989. Homing and home range in *Podarús sicula* (*Reptilia, Lacertidae*). Proceedings 13th Symposium of the Italian Ethology Society. Perugia, Italy, 19-22 May, 1989.

## **OTHER SKILLS**

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- Excellent computer skills – PC and Mac software (e.g., GIS, Access, Statview, Excel, Logger, ACDSee, Finscan, MS Word, Power Point). Good working knowledge of Graphic/Web design and management (Dreamweaver, Adobe Illustrator, Photoshop, QuarkXPress, Pagemaker, etc.)
- Certified Scuba Diver; Certified Red Cross First Aid
- Skilled in cetacean research methods including visual surveys, photo-identification, behavioral sampling, preparation of biological samples for lab analyses. Use and setup of equipment including hand-held and laptop computers for field data collection, digital cameras/camcorders, hydrophones and navigation instruments
- Boating Skills and Seamanship certificate (US Coast Guard Auxillary); over 2000 hours spent on the water
- Photographs: published in several European magazines and newspapers
- Illustrations/sketches: illustrated my book “Dolphin Confidential: Confessions of a Marine Biologist” for Chicago University Press (March 2012)
- Fluent in Italian, English and Spanish; scholastic knowledge of German