

Curriculum Vitae  
Maria A. Cardona-Maldonado  
University of Puerto Rico, Mayagüez Campus  
Departement of Marine Sciences  
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### Education

- August 2012-present PhD Program in Biological Oceanography. Department of Marine Sciences, University of Puerto Rico, Mayagüez Campus.
- January 2012 Master in Education. Loyola University Maryland.
- June 2008 Master in Biological Oceanography. Department of Marine Sciences, University of Puerto Rico Mayagüez Campus.
- August 1995-May 2000 Bachelor of Sciences-Biology. College of Natural Sciences University of Puerto Rico, Rio Piedras Campus.

### Research Experience

- December 2002-present Bio-optical Oceanography Laboratory Department of Marine Sciences, University of Puerto Rico at Mayagüez
- December 2000-2004 Marine Mammal Projects NOAA Mississippi Laboratory
- January 2000 Fatal Diesel Aspiration and Ingestion in a Neonate West Indian Manatee (*Trichechus manatus*): clinical signs and Postmortem Findings. Animal Care Center and Caribbean Stranding Network
- March 1999 Atlantic Humpback Whales (*Megaptera novaeanglie*) Winter Migration Monitoring in Puerto Rico. McNair Program: University of Puerto Rico
- March 1999 Sperm Whale Strandings in the Caribbean (*Physeter macrocephalus*)
- August 1999-May 2000 Marine Mammals Population Assessment Off Vieques, Puerto Rico
- June-August 1998 A stingray spine inclusion as a mortality factor in a Bottlenose dolphin (*Tursiops truncatus*) from Puerto Rico.
- June-September 1997 Pygmy & Dwarf Sperm Whales in Puerto Rico and the Virgin Islands with a Review for the Caribbean. Caribbean Stranding Network and McNair Program: University of Puerto Rico Rio Piedras Campus.
- June-September 1997 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* McNair Program: Herpetology Laboratory University of Puerto Rico Rio Piedras Campus.
- August 1993-May 1994 Organic Compounds Distribution Between Solution, Sediments and Suspended Particulates in Water. Analytical Chemistry Laboratory College of Natural Sciences. University of Puerto Rico Rio Piedras Campus.

### Work experience

- August — June 2008 Compañía de Parques Nacionales/ NOAA  
Coral Reef Program
- July 2005 CSA Manatee Watch Program
- May 2005-2007 U.S. Fish and Wildlife and USGS Manatee Telemetry Project
- May 2005-2008 U.S. Fish and Wildlife Service Roseate Tern (*Sterna dougallii dougallii*) and Sandwich Tern (*Thalasseus sandvicensis acujlavidus*) Nesting Survey
- May 2005 CH2MHILL Union Carbide Ecological Risk Assessment Pefiuellas, Puerto Rico.

April 2005-May 2005	U.S. Fish and Wildlife and USGS Manatee Captures
July 2004	NOAA/NMFS East Coast Marine Mammal Summer Aerial Survey.
January -August 2004	Translator for the Captive Zoo Animal Management Program: Marion Teaching Zoo. (Animal Keeper Program)
August 2003-July 2004	U.S. Fish and Wildlife/ Sirenia Project Manatee Telemetry Project
June 2003	U.S. Fish and Wildlife Service Roseate Tern ( <i>Sterna dougallii dougallii</i> ) and Sandwich Tern ( <i>Thalasseus sandvicensis acujlavidus</i> ) Nesting Survey
June-August 2003	NOAA / NMFS Gulf of Mexico Sperm Whale Summer Cruise
October 2002	U.S. Fish and Wildlife Service Pelican ( <i>Pelicanus occidentalis</i> ) Survey, Lajas, P.R.
September 2002	U.S. Fish and Wildlife Service, Sula (Brown, Blue and Red Footed Booby) Aerial Survey Navassa, US.A
July 2002	Department of Natural Resources Green Turtle ( <i>Chelonia mydas</i> ) and Hawksbill Turtle ( <i>Eretmochelys imbricata</i> ), Culebra, P.R.
February 2002-April 2002	NOAA Mid-Adlantic Marine Mammal Cruise. North-Atlantic Cruise.
October 2001	U.S. Fish and Wildlife Manatee Captures
August 2001-2002	Department of Natural Resources Queen Conch ( <i>Strombus gigas</i> ) Surveys for Puerto Rico.
February 2001-March 2001	NOAA Mid-Adlantic Marine Mammal Cruise. Caribbean Cruise.
December 2000-present	Participation in Phytoplankton and Bio-Optical cruises On board RV-Chapman and RV-Isla Magueyes
December 2000-Present	Bio-Optical Oceanography Laboratory: Research with Optical properties. Remote Sensing image processing.
August 2000-December 2000	Teacher Assistant. Microbiology. Department of Biology. University of Puerto Rico Mayagiiez Campus.
April 2000	U.S. Fish and Wildlife Manatee Captures
January 1999-2000	Assistance in the development of an undergraduate Oceanography Program. Universidad Metropolitana San Juan, Puerto Rico.
March 1998	U.S Fish and Wildlife Manatee Captures
May 1997-2000	Marine Mammal Rescue and Rehabilitation Program, Boat and Aerial Surveys Educational Programs and Stranding-Necropsies Procedures.
January 1996-May 1998	Herpetology Laboratory. Rehabilitation of different Reptile and Amphibian Species, Research, Participation in surveys and in educational programs of Proyecto Coqui. University of Puerto Rico.
August 1993-May 1994	Analytical Chemistry Laboratory: Analysis of Organic Compounds Distribution. University of Puerto Rico.

### **Presentations and Conferences**

December 2005	16 <sup>th</sup> Biennial Conference on the Biology of Marine Mammals, San Diego CA
January 2004	Symposium on Conservation and Biodiversity of the Dominican Republic. Species Diversity of Marine Mammals in Puerto Rico.
December 2003	15 <sup>th</sup> Biennial Conference on the Biology of Marine Mammals, North Carolina
November 2001	Relationships Between the Diffuse Attenuation Coefficient and Coral Reef Structural Parameters. XXIV Simposio de los Recursos Naturales Departamento

de Recursos Naturales y Ambientales de Puerto Rico. Universidad Politécnica de Puerto Rico.

- November 2001 14th Biennial Conference on the Biology of Marine Mammals. Vancouver, Canada.
- April 2001 Interagency/ Oceanaria Working Group Meeting Universidad Metropolitana San Juan, Puerto Rico
- November 2000 Atlantic Scientific Review Group Meeting, Villa Parguera, Lajas, Puerto Rico.
- October 2000 Fatal Diesel Aspiration and Ingestion in a Neonate West Indian Manatee (*Trichechus manatus*): Clinical Signs and Post-Mortem findings. 3rd Congress of Aquatic Mammal Specialists; 9th Workshop of Aquatic Mammals (SOLAMAC) Buenos Aires, Argentina.
- November 1999 Stranding of Sperm Whales (*Physeter macrocephalus*) in the Caribbean 13th Biennial Conference on the Biology of Marine Mammals. Wailea, Maui, Hawaii.
- November 1999 A stingray spine inclusion as a mortality factor in a Bottlenose dolphin (*Tursiops truncatus*) from Puerto Rico. 13th Biennial Conference on the Biology of Marine Mammals. Wailea, Maui, Hawaii.
- October 1999 Interagency/Oceanaria Working Group Meeting Mote Marine Laboratory, Florida USA.
- April 1999 Pygmy and Dwarf Sperm Whale in Puerto Rico and the Virgin Islands, with a Review of *Kogia* in the Caribbean Third Encounter of Undergraduate Research Students. University of Puerto Rico Rio Piedras Campus.
- April 1999 Pygmy and Dwarf Sperm Whale in Puerto Rico and the Virgin Islands, with a Review of *Kogia* in the Caribbean XIV Simposio de Vida Silvestre. Universidad Sagrado Corazon. San Juan, Puerto Rico.
- March 1999 Pygmy and Dwarf Sperm Whale in Puerto Rico and the Virgin Islands, with a Review of *Kogia* in the Caribbean Junior Technical Meeting. University of Puerto Rico Mayagüez Campus.
- November 1998 Status of the Pygmy and Dwarf Sperm Whales (*Kogia sp.*) for the Caribbean. 2do Congreso de Especialistas en Mamíferos Acuáticos: Sva Reunion de Trabajos en Mamíferos Acuáticos. Recife, Brasil.
- July 1998 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* 18th Puerto Rico Interdisciplinary Scientific Meeting. University of Puerto Rico.
- April 1998 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* 2do Encuentro de Estudiantes Investigadores Subgraduados Universidad de Puerto Rico Rio Piedras Campus.
- April 1998 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* Simposio de la Sociedad de Estudiantes de Biología (TRIBETA) Universidad de Puerto Rico Rio Piedras Campus.
- March 1998 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* XVIII Simposio de Vida Silvestre. Universidad Sagrado Corazon. San Juan, Puerto Rico.
- March 1998 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* XXIII Simposio de los Recursos

Naturales Department of Natural and Environmental Resources. Capitolio de Puerto Rico. San Juan, Puerto Rico.

- March 1998 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* Junior Technical Meeting Interamerican University Bayamon, Puerto Rico.
- November 1997 Competition Experiment Between Two Species of Frogs: *Eleutherodactylus coqui* and *Osteopilus septentrionalis* 6th Annual Ronald E. McNair Research Conference Lake Lawn Lodge, Delavan, Wisconsin.
- July 1993 Organic Compounds Distribution Between Solution, Sediments and Suspended Particulates in Water.  
XI Mini-Congreso de Investigación Científica.

### **Scientific Publications**

- November 2001 Fatal Pneumonia and Pleuritis Caused by an Agujon Beak Penetration in a Bottlenose Dolphin from Puerto Rico *Journal of Aquatic Health* 14:65-67, 2002.
- February 1999 Pygmy and Dwarf Sperm Whale in Puerto Rico and the Virgin Islands, with a Review of *Kogia* in the Caribbean. *Caribbean Journal of Science* Vol 35, No 1-2, pages 29-37, 1999.
- February 1998 *Osteopilus septentrionalis* (Cuban Tree Frog, Rana Platanera) Puerto Rico: Coamo. *Herpetological Review*

### **Languages**

Spanish  
English  
French