**Curriculum Vitae**

**First name: Anabela** Maria

**Last name**: Resende da **Maia**

**Nationality**: Portuguese, born in Coimbra, Portugal

**Sex**: Female

**Address:** 1810 10th St, Charleston, IL 61920

**Phone number:**857-756-0873

**E-mail:** [amresendedamaia@eiu.edu](mailto:amresendedamaia@eiu.edu)

**Languages:** Proficient in written and spoken English, native-speaker Portuguese, intermediate written and spoken French, fair spoken Spanish, beginner spoken and written German and Dutch.

**Research Interests:**

My main research interest focuses on functional and ecological morphology of fish swimming. I use functional morphology to elucidate the evolution of locomotion mechanics. I am particularly interested in the role of fins and other control surfaces during unsteady locomotion. I employ techniques that enable three dimensional conformation analyses of fins and fluid dynamics and to determine metabolic rate of swimming fishes. I am also interested in the conservation aspects of fish swimming that play a role in habitat selection and fish distribution.

**Current Position:**

Instructor and Graduate Faculty at the Biological Sciences Department, Eastern Illinois University. August 2013 to present.

**Education:**

PhD in Biological Sciences, University of Rhode Island, Major Professor: Dr. Cheryl D. Wilga. Dissertation title: “Functional morphology of shark dorsal fins during steady swimming and maneuvering”, granted on August 2011.

*Licenciatura* degree (5-year undergraduate program, equivalency to B.Sc.) in Biology Applied to Animal Resources (major in Marine Biology) from the School of Sciences of the University of Lisbon, Portugal, average 18 (out of 20), percentile 100, October 2004.

**Awards and Honors:**

Redden Grant, Eastern Illinois University, for classroom enhancement, 2014/2015 ($1,500) and 2015/2016 ($1,500).

Broadening Participation Travel Award to attend the Society of Integrative and Comparative Biology (SICB) Annual Meeting, Jan 2014 ($500).

American Philosophical Society Franklin Research Grant, 2013 ($6,000).

University of Rhode Island Award for best dissertation in the STEM areas in 2011 ($1000).

Fonds Wetenschappelijk Onderzoek – Vlaanderen (FWO) Visiting Postdoctoral Fellowship, September 2011-October 2012 ($28,900).

University of Rhode Island Graduate Student Fellowship, academic year 2010/2011 ($40,000). Fulbright & FLAD PhD Grantee for the academic years 2006/2007 ($12,000) and 2007/2008 ($10,000).

Portuguese Science and Technology Foundation Doctoral Grant, academic years 2007/2008 ($28,700), 2008/2009 ($43,200), 2009/2010 ($43,200), 2010/2011 ($43,200).

2007/2008 Graduate Student Award for Teaching Excellence in the Department of Biological Sciences, May 1, 2008.

University of Rhode Island Graduate Research Grant by the Office of the Provost for the academic year 2006/2007 ($500), 2007/2008 ($750) and 2009/2010 ($1000).

9th FLAD (Luso-American Foundation) Scholarships Program & IMAR (Sea Institute), 2005, in the ambit of land-ocean interfaces ecology, for a 3 months internship (January to March 2006) in Mote Marine Laboratory, Sarasota, Florida ($4,300).

Merit Scholarship awarded by the School of Sciences of the University of Lisbon and Portuguese Bank “Banco Espírito Santo” to the best graduating students in the AY 2003/2004 ($600).

Merit Scholarship awarded by the University of Lisbon to the student with the best grade average in each Department (Animal Biology) in the AY 2001/2002 ($1750) and 2002/2003 ($1750).

**Previous Experience:**

Postdoctoral Associate at Tufts University, Department of Biology, PI: Dr. Eric Tytell, research topics: locomotion and neurophysiological control of maneuvering fishes. October 2012 to August 2013.

Visiting postdoctoral researcher at Ghent University, Department of Biology, group Evolutionary Morphology of Vertebrates, under the supervision of Dr. Dominique Adriaens. Project title: “Design from nature: study of the seahorse skeleton and its possible application in industrial design”. October 2011 to September 2012.

Graduate teaching and research assistant at the University of Rhode Island, Department of Biological Sciences, August 2006 to August 2011.

Biology research assistant at the Oceanography Institute, Marine Zoology Lab of the School of Sciences of the University of Lisbon. Project: assessment of the importance both quantitatively and qualitatively of estuarine and coastal nursery areas to exportation of fish to the Portuguese coast (NURSERIES), January 2005 to August 2006.

Research assistant for assessment of the shark landings from longline surface drift fisheries operating off Portugal, APECE (Portuguese Elasmobranch Association) - January 2004 to August 2006.

Research assistant at the Oceanography Institute in an environmental impact assessment project of the effluent discharge in the Portuguese city of Almada, benthic samples processing, November and December 2004.

Undergraduate project for the *Licenciatura* in Biology Applied to Animal Resources under the theme “Feeding ecology and reproduction of the shortfin mako shark (*Isurus oxyrinchus*) off the Portuguese coast, NE Atlantic” oriented by Dr. Henrique Cabral (School of Sciences of the University of Lisbon) and Joao Correia (Lisbon Oceanarium and APECE), EU sponsored program, January to October 2004.

Intern for the Shark Population Assessment Group at Panama City Laboratory, Southeast Science Center, National Marine Fisheries Service, NOAA for Dr. John K. Carlson and Dr. Enric Cortes, field experience with live sharks, age and growth with focus on vertebrae processing and reading, foraging ecology analysis, September to December 2003.

**Funded Projects:**

05/28/14 – 07/01/16 - Monitoring of Kickapoo Creek near Charleston, Illinois State of Illinois Environmental Protection Agency ($141,000) in collaboration with Dr. Robert Colombo.

03/01/15 – 02/28/16 – Effects of structural rehabilitation on nutrient retention and uptake, community assemblages, and functional morphology of biotic communities in a small Midwestern stream, Illinois Water Resources Center ($9,990), co-PI graduate student Carl Favata.

07/01/15 – 06/30/16 – Evolution of Median Fins in Primitive Actinopterygii, President’s Fund for Research and Creative Activity, Eastern Illinois University ($18,900).

**Peer-reviewed Publications:**

Praet, T, D Adriaens, **A Maia,** B Masschaele, M De Beule and B Verhegghe (submitted to Journal of Experimental Biology). Combined flexibility and stiffness of the seahorse tail: a modelling approach.

**Maia, A,** A Couto& D Adriaens (submitted to Aquaculture International). Holdfast selection in the pot-bellied seahorse, *Hippocampus abdominalis.*

**Maia, A** & CD Wilga (2015). Three-dimensional kinematics of the dorsal fins in spiny dogfish during steady swimming. *Journal of Zoology, online first.*

**Maia, A,** A Sheltzer, ED Tytell (2015). Streamwise vortices destabilize swimming bluegill sunfish (*Lepomis macrochirus*). J Exp Biol 218, 786-792.

Vinagre, C, **A Maia**, R Amara & HN Cabral (2014) Anomalous otoliths in juveniles of common sole, Solea solea, and Senegal sole, Solea senegalensis, Marine Biology Research, 10:5, 523-529, DOI: 10.1080/17451000.2013.831178

**Maia, A** & CD Wilga (2013). Function of dorsal fins in bamboo shark during steady swimming. *Zoology,* 116: 224-231*.* http://dx.doi.org/10.1016/j.zool.2013.05.001.

**Maia, A** & CA Wilga (2013). Comparative anatomy and dorsal fin muscle activity during turning maneuvers in two shark species. *Journal of Morphology*. 10.1002/jmor.20179.

Vinagre, C, **A Maia,** R Amara, HN Cabral (2013). Spawning period of Senegal sole, *Solea senegalensis*, based on juvenile otolith microstructure. *Journal of Sea Research* 76: 89–93.

Wilga, CD, **A Maia**, S Nauwelaerts & GV Lauder (2012). Prey Handling Using Whole Body Fluid Dynamics in Batoids. Zoology 115: 47-57.

**Maia, A**, CD Wilga & GV Lauder (2012). Biomechanics of Locomotion in Sharks, Rays and Chimeras (Chapter) *in* Biology of Sharks and their Relatives, Vol I, 2nd Edition, CRC Press, 633pp.

Vasconcelos, RP, P Reis-Santos, **A Maia**, M Ruano, MJ Costa & HN Cabral. 2011. Trace metals (Cu, Zn, Cd and Pb) in juvenile fish from estuarine nurseries along the Portuguese coast. *Scientia Marina* 75(1): 155-162.

Vasconcelos, RP, P Reis-Santos, **A Maia**, V Fonseca, S França, N Wouters, MJ Costa & HN Cabral. 2010. Nursery use patterns of commercially important marine fish species in estuarine systems along the Portuguese coast. *Estuarine, Coastal and Shelf Science*, 86: 613-624.

Baeta, F, MI Batista, **A Maia**, MJ Costa & H Cabral. 2010. Elasmobranch bycatch in a trammel net fishery in the Portuguese west coast. *Fisheries Research*, 102: 123–129.

Vinagre, C, **A Maia**, P Reis-Santos, MJ Costa & HN Cabral (2009). Small-scale distribution of *Solea solea* and *Solea senegalensis* juveniles in the Tagus estuary (Portugal). *Estuarine, Coastal and Shelf Science*, 81: 296-300.

**Maia, A,** C Vinagre & HN Cabral. 2009. Impact of a predator in the foraging behaviour of *Solea senegalensis*, *Journal of the Marine Biological Association, U. K.*, 89: 645–649.

Vinagre, C, V Fonseca, **A Maia**, R Amara & H Cabral. 2008. Habitat specific growth rates and condition indices for the sympatric soles *Solea solea* (Linnaeus, 1758) and *Solea senegalensis* Kaup 1858, in the Tagus estuary, Portugal, based on otolith daily increments and RNA-DNA ratio. *Journal of Applied Ichthyology*, 24: 163–169.

Vasconcelos, RP, P Reis-Santos, S Tanner, **A Maia**, C Christopher Latkoczy, D Gunther, MJ Costa & H Cabral. 2008. Evidence of estuarine nursery origin of five coastal fish species along the Portuguese coast through otolith elemental fingerprints. *Estuarine, Coastal and Shelf Science*, 79: 317-327.

Cabral, HN, R Vasconcelos, C Vinagre, S França, V Fonseca, **A Maia**, P Reis-Santos, M Lopes, M Ruano, J Campos, V Freitas, P Santos & MJ Costa. 2007. Relative importance of estuarine flatfish nurseries along the Portuguese coast. *Journal of Sea Research* 57: 209–217.

**Maia, A**, N Queiroz, HN Cabral, AM Santos & JP Correia. 2007. Reproductive biology and population dynamics of the shortfin mako, *Isurus oxyrinchus* Rafinesque in the eastern North Atlantic. *Journal of Applied Ichthyology*, 23: 246–251.

Vasconcelos, RP, P Reis-Santos, V Fonseca, **A Maia**, M Ruano, S França, C Vinagre, MJ Costa & H Cabral. 2007. Assessing anthropogenic pressures on estuarine fish nurseries along the Portuguese coast: a multi-metric index and conceptual approach. *Science of the Total Environment*, 374: 199–215.

Vinagre, C, **A Maia** & HN Cabral. 2007. Comparison of gastric evacuation in the sympatric juvenile soles *Solea senegalensis* and *S. solea*: influence of temperature and salinity. *Journal of Applied Ichthyology*, 23: 240–245.

**Maia, A**, N Queiroz, JP Correia & HN Cabral. 2006. Food habits of the shortfin mako, *Isurus oxyrinchus*, off the southwest coast of Portugal. *Environmental Biology of Fishes* 77: 157–167.

Queiroz, N, FP Lima, **A Maia**, PA Ribeiro, JP Correia & AM Santos. 2005. Movement of blue shark, *Prionace glauca*, in the north-east Atlantic based on mark–recapture data. *Journal of the Marine Biological Association, U. K.* 85: 1107-1112.

**Oral and Poster Papers at Scholarly Conferences:**

Favata CA, Colombo RE, Roseboom DR, Straub TD, and **Maia A.** Ecomorphology of fish assemblages in an East-Central Illinois stream. American Fisheries Society Annual Meeting, August 2015.

Gerth, C **& A Maia.** Morphometrics of oral and pharyngeal jaws in two minnow species (Cyprinidae). International Congress of Cranio-Cervical Morphology, July 2015.

**Maia, A**, B Probst, A Foster, J Reeves. Function of the spiny dorsal fin of bluegill sunfish. Society of Experimental Biology Annual Meeting, July 2015.

Favata CA, Colombo RE, Roseboom DR, Straub TD, and **Maia A.**. Ecomorphology of fish assemblages in an East-Central Illinois stream, 53rd Annual Illinois American Fisheries Society Chapter Meeting, March 2015

Gerth, CJ **& A Maia** Shape Analysis of the Jaws in Two Minnow Species over Ontogeny. Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2015.

**Maia, A,** Eaton, M, Probst, B & Elmuti, S Form and Function of the Spiny Dorsal Fin in Sunfishes, Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2015.

**Maia, A** & M Eaton. Geometric morphometrics of centrarchid dorsal fins. Society of Experimental Biology Annual Meeting, July 2014.

**Maia, A** Dorsal Fin Function in Centrarchids: biomechanics as a tool for management. Jornadas Ibericas de Ictiologia, June 2014.

**Maia, A.,** A.P. Sheltzer, E.D. Tytell. Effect of Streamwise Vortices on Swimming Bluegill Sunfish. Illinois American Fisheries Society Annual Meeting, March 2014.

**Maia, A.,** A.P. Sheltzer, E.D. Tytell. Streamwise Vortices Destabilize Swimming Bluegill Sunfish (*Lepomis macrochirus).* Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2014.

Praet, T., D. Adriaens, C. Neutens, **A. Maia**, M. De Beule, B.Verhegghe. Understanding the mechanics of tail grasping in seahorses using a parametrized computer model. Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2014.

**Maia, A,** T Praet, D Adriaens, S Van Wassenbergh, M De Beule and B Verhegghe. Morflow: a new model for predicting suction performance based on head geometry in fishes. International Congress of Vertebrate Morphology (ICVM), July 2013.

**Maia, A,** A Couto & D Adriaens. How seahorses hang on to their life*.* Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2013.

**Maia, A** & D Adriaens. Tail grasping kinematics in *Hippocampus reidi.* European Congress of Ichthyology, July 2012.

**Maia, A** & D Adriaens. Biomechanics meets behaviour: tail prehension in seahorses. Society of Experimental Biology (SEB) General Annual Meeting, June 2012.

**Maia, A**, GV Lauder & CD Wilga. Fluid dynamics of dorsal fins in sharks. Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2012.

**Maia, A**, GV Lauder & CD Wilga. Dorsal fin function during steady swimming in two shark species. Joint Meeting of Ichthyologists and Herpetologists (JMIH), July 2011.

**Maia, A** & CD Wilga. Dorsal fin muscle activity during steady swimming in two shark species. Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2011.

**Maia, A** & CD Wilga. Functional morphology of dorsal fin in two shark species. American Society of Biomechanics (ASB) Meeting, August 2010.

**Maia, A** & CD Wilga. Dorsal fin muscle activity during maneuvers in bamboo sharks and spiny dogfish. International Congress of Vertebrate Morphology (ICVM), July 2010.

**Maia, A** & CD Wilga. Comparative anatomy of bamboo shark and spiny dogfish dorsal fins. Joint Meeting of Ichthyologists and Herpetologists (JMIH), July 2010.

Dautrich, JA, AE Maynard, **A** **Maia** & CD Wilga. Turning Ability in Juvenile Spiny Dogfish, *Squalus acanthias*. Joint Meeting of Ichthyologists and Herpetologists (JMIH), July 2010.

**Maia, A**, K Arbonies & CD Wilga. Escape responses in juvenile little skates, *Leucoraja erinacea*. Society of Experimental Biology (SEB) General Annual Meeting, June 2010.

**Maia, A** & CD Wilga. Functional morphology of shark dorsal fins during steady swimming. Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2010.

Wilga, CD, **A Maia**, S Nauwelaerts & GV Lauder. Prey Capture Using Whole Body Fluid Dynamics in Batoids. SICB Annual Meeting, January 2010.

**Maia, A** & CD Wilga. Dorsal fin muscle activity during steady swimming in two shark species. Society of Integrative and Comparative Biology (SICB) Annual Meeting, January 2011.

**Maia, A** Escape Responses in Young of the Year Spiny Dogfish. 2009 JMIH, July 2009.

Wilga, CD, **A Maia**, S Nauwelaerts & GV Lauder. Prey Capture Using Whole Body Fluid Dynamics in Batoids. Functional Morphology Symposium for the 2009 JMIH, July 2009.

Dickson, J, **A Maia** & P Domenici. Three dimensional escape responses of the white spotted ratfish, *Hydrolagus colliei*. SICB, January 2009.

**Maia, A.** Escape responses early in life: are young of the year spiny dogfish doing well? SICB Annual Meeting, January 2009.

**Maia, A** & CD Wilga. Dorsal fin function in spiny dogfish during steady swimming – a 3D kinematic approach. JMIH, July 2008.

**Maia, A** & CD Wilga. 3D kinematics of the dorsal fins in spiny dogfish during steady swimming. Presented at SICB Annual Meeting, January 2008.

**Maia, A**; JF Marques & HN Cabral. Parasitic fauna of the digestive tract of shortfin mako, Isurus oxyrinchus, off Portugal, NE Atlantic. JMIH, July 2006.

**Maia, A**, N Queiroz, JP Correia & HN Cabral. The shortfin mako shark, *Isurus oxyrinchus*, from Portuguese waters - foraging ecology, population dynamics and reproduction. JMIH, July 2005.

**Teaching Experience:**

Anatomy and Physiology course coordinator – Fall 2014- present

Anatomy and Physiology II (BIO 2220) lecturer – Spring 2015, Eastern Illinois University.

Anatomy and Physiology I (BIO 2210) lecturer – Fall 2014, Fall 2015, Eastern Illinois University.

Human Anatomy (BIO 2200) lecturer – Fall 2013 and Spring 2014, Eastern Illinois University.

Guest Lecturer for Ichthyology (BIO 4950) on Fish swimming, Spring 2014.

Guest Lecturer for Communication (Texas A&M University) on Conflict resolution and cultural differences in Science, Fall 2013.

Guest Lecturer at University of Rhode Island for: BIO BIO 412 – Evolution and Diversity of Fishes (Dr. Jacqueline Webb) – topic: *Functional morphology of shark dorsal fins*; BIO 304 – Comparative Vertebrate Anatomy (Dr. Cheryl Wilga) – topic: *Amniote Skeleton System* (Spring 2009), *Tissues and Joints* (Spring 2010); OCE 215 – Ocean Engineering Design (Dr. Jim Miller) – topic: *Biological Analogs for Autonomous Underwater Vehicles* (Fall 2009); BIO/NRS 563 - Functional Biology and Ecology of Fishes (Dr. Cheryl Wilga & Dr. Graham Forrester) – topic: *Fish Swimming* (Fall 2009.

Lab Coordinator for Comparative Vertebrate Anatomy (BIO 304, Spring 09 and 10) and Human Anatomy (BIO 121, Fall 2007), URI, Dept. Bio. Sci.

Teaching Assistant for Comparative Vertebrate Anatomy (Spring 2008, 2009 and 2010) and Human Anatomy (Fall 2006 and 2007, Spring 2007), at the University of Rhode Island.

Development of two fish swimming laboratories on morphology and function for the graduate course BIO/NRS 563 - Functional Biology and Ecology of Fishes (taught by Dr. Cheryl Wilga & Dr. Graham Forrester), at the University of Rhode Island.

**Mentoring Experience:**

Graduate student (M.Sc.) advisor for Neeta Karki Parajulee, Fall 2015- Summer 2017, Eastern Illinois University.

Graduate student (M.Sc.) advisor for Carl Favata, Fall 2014-Summer 2016, Eastern Illinois University.

Undergraduate research mentor for Bernickia Arnold (Eastern Illinois University, Biology B.S., Class of 2015), Colby Gerth (Eastern Illinois University, Biology B.S., Class of 2015), Za’Rai Reynolds (Eastern Illinois University, Biology B.S., Class of 2015), Brooke Probst (Eastern Illinois University, Biology B.S., Class of 2015), Missy Eaton (Eastern Illinois University, Biology B.S., Class of 2016), Dominique Hicks (Eastern Illinois University, Biology B.S., Class of 2015) Spring and Fall 2014, Joshua Reeves (Eastern Illinois University, Biology B.S., Class of 2015), Ashley Foster (Eastern Illinois University, Biology B.S., Class of 2015), Cory Conner (Eastern Illinois University, Biology B.S., Class of 2016), Lindsey Caudle (Eastern Illinois University, Biology B.S., Class of 2017), Kaitlyn Hammond (Eastern Illinois University, Biology B.S., Class of 2017), Austin Parrish (Eastern Illinois University, Biology B.S., Class of 2016).

High School student mentor for Sami Elmuti (Charleston High School, Class of 2015), volunteering in the lab on multiple projects.

Laboratory teaching mentor for Kristi Kirby (Eastern Illinois University, Biology B.S., Class of 2015), Kate Lemon (Eastern Illinois University, Teachers Certificate Program, Biology, Class of 2016), Jessica Sovoboda (Eastern Illinois University, Teachers Certificate Program, Biology, Class of 2015), Brad Krczwiski (Eastern Illinois University, Biology B. S., Class of 2016), Austin Jenkins (Eastern Illinois University, Biology B. S., Class of 2016), Kaitlyn Hammond (Eastern Illinois University, Biology B.S., Class of 2016), Olivia Garrett (Eastern Illinois University, Biology B.S., Class of 2016), Tyler Danek (Eastern Illinois University, Biology B.S., Class of 2016)

Alex Sheltzer (Tufts University, Biology B.S., Class of 2015), summer research credits on the effect of turbulence in swimming in the bluegill sunfish.

Joana Castro (Ghent University, International Master’s Program, Class of 2013), volunteering in the lab with research on seahorse tail kinematics and prehension behavior, Summer 2012.

Ana Sofia Couto (Ghent University, Class of 2013), professional internship for the Erasmus Mundus Masters of Science in Marine Biodiversity and Conservation, topic: seahorse grasping behavior, Spring 2012

Ioanna Georga (Ghent University, PhD exchange student from Patras University, Greece), supervision on histology and reconstruction techniques to visualize muscle arrangement in seahorses, Spring and Summer 2012.

Broadening Participation Program, SICB 2010, mentoring college undergraduates on first scientific meeting.

Kimberly Arbonies (University of Rhode Island, Biology B.S., Class of 2011), Brittany McGee (URI, Marine Biology B.S., Class of 2011), Ashley Heinze (URI, Marine Biology B.S., Class of 2010) and Bonnie Witte (URI, Psychology B.S. with a Biology minor, Class of 2009). Research credits for help with experiments and data analysis.

Amy Maynard and Jennifer Dautrich (URI, Marine Biology B.S., Class of 2010). Project: “Routine turning in the presence and the absence of food in juvenile dogfish”, Spring 2009.

AdebowaleOlayanju (URI, Mechanical Engineering B.S., Class of 2008) Project: “Experimental testing of computation fluid dynamics model through digital particle image velocimetry”, Spring 2008.

Alana Mercurio, Scituate High School student, Science Fair Project “Drag in different swimming suits”, Fall 2007.

**Service and Outreach:**

Chair of the Anatomy and Physiology I and II ad hoc Committee, Biological Sciences Department, Fall 2013 – current

Co-chair of the Eastern Illinois Women in Science and Mathematics (WiSM) and Mentoring for Minorities in Mathematics and Science (M3S), Sping 2014 – current.

President of the Eastern Illinois Chapter of Sigma Xi, Summer 2015 – present.

Vice-President of the Eastern Illinois Chapter of Sigma Xi, Summer 2014 – Summer 2015.

Organizer of the Eastern Illinois University Homecoming activity Fishing in the Pond, Fall 2013.

Facilitator for EIU Reads Program Fall 2013 and Fall 2014.

Volunteer Coach at Jefferson Elementary School, Charleston, IL for the Lego Little League Robotics Program 2014/2015 and 2015/2016.

University of Rhode Island Shark Week Google Hangout, August 2013, http://www.youtube.com/watch?v=09kPm6qQEtI

Research featured on Daily Planet, Discovery Channel Canada, <http://watch.discoverychannel.ca/daily-planet/january-2011/daily-planet---january-26-2011/#clip414180>

Editorial Board Member and Reviewer for Biology of online educational materials for Merlot ([www.merlot.org](http://www.merlot.org)).

Reviewer for peer reviewed journals *Aquatic Biology*, *Belgium Journal of Zoology, Bioinspiration & Biomimetics, Copeia, Environmental Biology of Fishes, Marine and Freshwater Research,* and *Zoology*.

President of the General Assembly of Portuguese-American Post-Graduate Society (PAPS) – 2010/2011.

President of the Executive Board of the Portuguese-American Post-Graduate Society (PAPS) – 2009/2010.

New Teaching Assistant Workshop instructor, URI, August 2008.

Paul Cuffee Charter School (PCCS), Providence: 7th graders visit GSO and test fish models in the flow tank, Spring 2010; 5th graders Cod Dissection Day at PCCS, Spring 2008 and 2009, Fall 2009; 7th graders Shark and Skate Dissection Day at PCCS, Spring 2011.

Organizing Committee, Regional Meeting of the Division of Vertebrate Morphology of SICB, 2007.

Public Lecturer, “Workshop of Sharks and Skates research in Portugal”, Lisbon, October 2005 and 2006.

**Professional Affiliations:**

Society of Integrative and Comparative Biology (SICB), Society of Experimental Biology (SEB), International Society of Vertebrate Morphology (ISVM), American Biomechanics Society (ASB), American Elasmobranch Society (AES), European Elasmobranch Association (EEA), Portuguese-American Post-Graduate Society (PAPS), American Fisheries Society (AFS).

**Honors Societies:**

Sigma Xi - The Scientific Research Society – member since 2009