

*Curriculum Vitae*

**BRYAN P. WALLACE, Ph.D.**

CHIEF SCIENTIST, THE OCEANIC SOCIETY

Adjunct Assistant Professor, Duke University Marine Lab

Co-Regional Vice-Chair, Eastern Pacific Ocean, IUCN Marine Turtle Specialist Group

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**EDUCATION**

**PhD, Environmental Science/Ecology, 2001-2005: Drexel University, NSF Pre-Doctoral Fellow**

*Courses taken: Evolutionary Ecology, Conservation Biology, Biophysical Ecology, Physiological Ecology, Oceanography, Aquatic Chemistry, Biostatistics*

**BSc, Biology, 2000: University of Dayton, Dayton, Ohio, Summa cum laude**

*Courses taken: Evolution, Ecology, Genetics, Aquatic Ecology, Invertebrate Zoology, Microbiology, Environmental Geology, Physics, Inorganic and Organic Chemistry*

**PROFESSIONAL EXPERIENCE**

- April 2012-present** Chief Scientist, The Oceanic Society ([www.oceanicsociety.org](http://www.oceanicsociety.org))
- Nov 2007-present** Adjunct Assistant Professor, Division of Marine Science and Conservation, Nicholas School of the Environment, Duke University Marine Lab
- Nov 2007-April 2012** Director of Science, Marine Flagship Species Program, Global Marine Division, Conservation International
- Sept 2005-Oct 2007** Post-Doctoral Researcher, Duke University Marine Lab, Project GloBAL (Global Bycatch Assessment of Long-lived Species).

**RESEARCH INTERESTS/AREAS OF EXPERTISE**

**Applied Conservation Biology (marine focus); Ecology (marine focus); Marine Megafauna Ecology and Conservation; Fisheries Management; Fisheries Bycatch of Protected Species (particularly marine turtles, birds, mammals, and sharks); Physiological Ecology; Behavior, Movements, and Trophic Ecology of Marine Megafauna; Communications and Outreach of Science and Conservation; Human Dimensions in Conservation Biology**

**PUBLICATIONS: In Peer-Reviewed Literature**

**2012**

- Seminoff JA, **Wallace BP**, eds. (2012) *Sea Turtles of the Eastern Pacific: Advances in Research and Conservation*. University of Arizona Press, Tucson, AZ, 376 pp.
- Seminoff JA, Alfaro-Shigueto J, Amorocho D, Arauz R, Baquero A, Chacón D, Gaos AR, Kelez S, Mangel J, Urteaga J, **Wallace BP** (2012) Biology and conservation of sea turtles in the eastern Pacific Ocean: a general overview. *In: Sea Turtles of the Eastern Pacific: Advances in Research and Conservation*. Eds: Seminoff JA, **Wallace BP**. University of Arizona Press, Tucson, AZ, 376 pp.
- Wallace BP**, Piedra RP (2012) Leatherbacks in the balance: reconciling human pressures and conservation efforts in Pacific Costa Rica. *In: Sea Turtles of the Eastern Pacific: Advances in Research and Conservation*. Eds: Seminoff JA, **Wallace BP**. University of Arizona Press, Tucson, AZ, 376 pp.

- Gaos AR, Lewison RL, **Wallace BP**, Yañez IL, Liles MJ, Baquero A, Seminoff JA. (2012) Superficial sea turtles: shallow, nearshore adult hawksbill dive behavior predominates in the eastern Pacific Ocean. *Journal of Experimental Marine Biology and Ecology* 433: 171-178.
- Eckert KL, **Wallace BP**, Frazier JG, Eckert SA, Pritchard PCH. (2012) Synopsis of the Biological Data on the Leatherback Sea Turtle, *Dermochelys coriacea* (Vandelli, 1761). US Fish and Wildlife Service PO no. 20181-0-0169, Jacksonville, FL, pp 214.
- Gaos AR, Lewison RL, Yañez IL, **Wallace BP**, Liles MJ, Nichols WJ, Baquero A, Hasbún CR, Vasquez M, Urteaga J, Seminoff JA (2012) Spatial ecology of critically endangered hawksbill turtles (*Eretmochelys imbricata*) in the eastern Pacific Ocean. *Marine Ecology Progress Series* 450: 181–194, doi: 10.3354/meps09591.
- Sieg AE, Binckley C, **Wallace BP**, Santidrián Tomillo P, Reina RD, Paladino FV, Spotila JR (2012) Climate, not conservation, controls leatherback turtle primary sex ratios in Pacific Costa Rica. *Endangered Species Research* 15: 195–204.

### 2011

- Wallace BP**, DiMatteo AD, Bolten AB, Chaloupka MY, Hutchinson BJ, Abreu-Grobois, FA, Mortimer JA, Seminoff JA, Amorocho D, Bjorndal KA, Bourjea J, Bowen BW, Briseño-Dueñas R, Casale P, Choudhury BC, Costa A, Dutton PH, Fallabrino A, Finkbeiner EM, Girard A, Girondot M, Hamann M, Hurley BJ, López-Mendilaharsu M, Marcovaldi MA, Musick JA, Nel R, Pilcher NJ, Troëng S, Witherington B, Mast RB. Global conservation priorities for marine turtles. *PLoS ONE* 6(9): e24510. doi:10.1371/journal.pone.0024510. **Press coverage:** [BBC](#) | [BBC Mundo](#) | [CNN](#) | [NY Times Green Blog](#) | [AFP](#) | [Huffington Post](#) | [ABC \(Australia\) Radio](#). [Pacific Beat](#)
- Finkbeiner EM, **Wallace BP**, Lewison RL, Moore JE, Crowder LB, Read AJ. Cumulative impacts of sea turtle bycatch in U.S. fisheries from 1990-2007. *Biological Conservation*, doi:10.1016/j.biocon.2011.07.033. **Press coverage:** [AP](#) | [AFP](#) | [NY Times Green Blog](#) | [Conservation Magazine](#) | [Huffington Post](#)
- Gaos AR, Lewison RL, Yañez IL, **Wallace BP**, Liles M, Nichols WJ, Baquero A, Hasbún CR, Vasquez M, Urteaga J, Seminoff JA. Shifting the life-history paradigm: discovery of novel habitat use by hawksbill turtles. *Biology Letters*, doi: 10.1098/rsbl.2011.0603. **Press coverage:** [LA Times](#) | [Huffington Post](#) | [BBC Mundo](#) | [BBC World Radio](#) | [Science News](#)
- Shillinger GL, Swithenbank AM, Bailey H, Bograd SJ, Castelton MR, **Wallace BP**, Spotila JR, Paladino FV, Piedra R, Block BA (2011) Characterization of leatherback turtle post-nesting habitats and its application to marine spatial planning. *Marine Ecology Progress Series* 422:275-289.
- Wallace BP**, Hutchinson BJ, Mast RB, Pilcher NJ. Putting conservation priority-setting for marine turtles in context. *Animal Conservation*, doi:10.1111/j.1469-1795.2011.00439.x.
- The State of the World's Sea Turtles (SWOT) Minimum Data Standards for Nesting Beach Monitoring. Technical Report, 24 pp.

### 2010

- Wallace BP**, DiMatteo AD, Hurley BJ, Finkbeiner EM, Bolten AB, Chaloupka MY, Hutchinson BJ, Abreu-Grobois, FA, Amorocho D, Bjorndal KA, Bourjea J, Bowen BW, Briseño-Dueñas R, Casale P, Choudhury BC, Costa A, Dutton PH, Fallabrino A, Girard A, Girondot M, Godfrey MH, Hamann M, López-Mendilaharsu M, Marcovaldi MA, Mortimer JA, Musick JA, Nel R, Pilcher NJ, Seminoff JA, Troëng S, Witherington B, Mast RB. (2010) Regional Management Units for marine turtles: A novel framework for prioritizing conservation and research across multiple scales. *PLoS ONE* 5(12): e15465. doi:10.1371/journal.pone.0015465. **See [press release by IUCN](#)**
- Wallace BP**, Lewison RL, McDonald S, McDonald RT, Bjorkland RK, Kelez S, Kot C, Finkbeiner EM, Helmbrecht S, Crowder LB. (2010) Global patterns of marine turtle bycatch in fisheries. *Conservation Letters*, doi: 10.1111/j.1755-263X.2010.00105.x. **See media coverage:** [BBC](#) | [CNN](#) | [National Geographic News and blog](#) | [Discovery News](#) | [ScienceNOW](#)
- Garrett K, **Wallace BP**, Alexander-Garner J, Paladino FV. (2010) Variation in leatherback turtle nest environments and their consequences for hatching success. *Endangered Species Research* 11: 147-155.
- McClellan CM, Braun-McNeill J, Avens L, **Wallace BP**, Read AJ. (2010) Stable isotopes and telemetry reveal life history dichotomy in juvenile sea turtles. *Journal of Experimental Marine Biology and Ecology* 387: 44-51.
- Hamman M, Godfrey MH, Seminoff JA, Arthur K, Barata PCB, Bjorndal KA, Bolten AB, Broderick AC, Campbell LM, Carreras C, Casale P, Chaloupka M, Chan SKF, Coyne MS, Crowder LB, Diez CE, Dutton PH, Epperly SP, FitzSimmons NN, Formia A, Girondot M, Hays GC, I-Jiunn C, Kaska Y, Lewison R, Mortimer JA, Nichols WJ, Reina RD, Shanker K, Spotila JR, Tomás J, **Wallace BP**, Work TM, Zbinden J, Godley BJ. (2010) Global research priorities for sea turtles: informing management and conservation in the 21<sup>st</sup> century. *Endangered Species Research* 11: 245-269.

- Shillinger GL, Palacios DM, Bailey H, Bograd SJ, Swithenbank AM, Gaspar P, **Wallace BP**, Spotila JR, Paladino FV, Piedra R, Eckert SA, Block BA. (2010) Identification of high-use interesting habitats for eastern Pacific leatherback turtles: Role of the environment and implications for conservation. *Endangered Species Research*, DOI: 10.3354/esr00251
- Gaos AR, Abreu A, Alfaro JA, Amorocho D, Arauz R, Baquero A, Briseño R, Chacón D, Dueñas C, Hasbún C, Liles M, Mariona G, Muccio C, Muñoz JP, Nichols WJ, Seminoff JA, Vásquez M, Urteaga J, **Wallace B**, Yañez IL, Zárata P. Signs of hope in the eastern Pacific: International collaboration reveals encouraging status for a severely depleted population of hawksbill turtles. *Oryx*, doi:10.1017/S0030605310000773

#### 2009

- Santidrián Tomillo P, Suss J, **Wallace BP**, Magrini KD, Blanco G, Paladino FV, Spotila JR (2009) Influence of emergence success and its consequences on the annual reproductive output of leatherback turtles. *Marine Biology* 156: 2021-2031.
- Wallace BP**, Avens L, Braun-McNeill J, McClellan C (2009) The diet composition of immature loggerhead turtles: insights on trophic niche, growth rates, and the role of fishery interactions. *Journal of Experimental Marine Biology and Ecology* 373: 50-57.
- Wallace BP**, Saba VS (2009) Environmental and anthropogenic impacts on intra-specific variation in leatherback turtles: opportunities for targeted research and conservation *Endangered Species Research*, 7: 1-11.
- Zydelis R, **Wallace BP**, Gilman, EL, Werner TB (2009) Conservation of marine megafauna through minimization of fisheries bycatch. *Conservation Biology* 23: 8-16 (DOI: 10.1111/j.1523-1739.2009.01172.x).
- Suryan RM, Saba VS, **Wallace BP**, Hatch SA, Frederiksen M, Wanless S (2009) Environmental forcing on life history strategies: Multi-trophic level response at ocean basin scales. *Progress in Oceanography*, 81: 214-222.
- Moore JE, **Wallace BP**, Lewison RL, Zydelis R, Cox TM, Crowder LB (2009) A review of marine mammal, sea turtle and seabird bycatch in USA fisheries and the role of policy in shaping management. *Marine Policy* 33: 435-451.

#### 2008

- Wallace BP**, Heppell SS, Lewison RL, Kelez S, Crowder, LB (2008) Impacts of fisheries bycatch on loggerhead turtles worldwide inferred from reproductive values analyses. *Journal of Applied Ecology* 45: 1076-1085.
- Shillinger GL, Palacios DM, Bailey H, Bograd SJ, Swithenbank AM, Gaspar P, **Wallace BP**, Spotila JR, Paladino FV, Piedra R, Eckert SA, Block BA (2008) Persistent leatherback turtle migrations present opportunities for conservation. *Public Library of Science (PLoS) Biology* 6(7): e171.doi:10.1371/journal.pbio.0060171. (see press coverage of this research: <http://www.sciencedaily.com/releases/2008/07/080714202504.htm>)
- López-Mendilaharsu M, Rocha CFD, Domingo, A, **Wallace BP**, Miller, P (2008) Prolonged, deep dives by the leatherback turtle *Dermochelys coriacea*: pushing their aerobic dive limits. *Journal of the Marine Biological Association of the UK-Biodiversity Records*, 1-3.
- Wallace BP**, Jones TT (2008) What makes marine turtles go: a review of metabolic rates and their consequences. *Journal of Experimental Marine Biology and Ecology* 356: 8-24.

#### 2007

- Wallace BP**, Sotherland PS, Santidrián Tomillo P, Reina RD, Spotila JR, Paladino FV (2007) Maternal investment in reproduction and its consequences in leatherback turtles. *Oecologia* 152: 37-47.
- O'Connor MP, Kemp SJ, Agosta SJ, Hansen F, Sieg AE, **Wallace BP**, McNair JN, Dunham AE (2007) Reconsidering the mechanistic basis of the metabolic theory of ecology. *Oikos*, 116: 1058-1072 (DOI: 10.1111/j.2006.0030-1299.15534.x).
- Wallace BP**, George RH (2007). Alternative techniques for obtaining blood samples from leatherback turtles. *Chelonian Conservation and Biology* 6: 147-149.

#### 2006

- Wallace BP**, Kilham SS, Paladino FV, Spotila JR (2006) Energy budget calculations indicate resource limitation in Eastern Pacific leatherback turtles. *Marine Ecology Progress Series* 318: 263-270.
- Wallace BP**, Seminoff JA, Kilham SS, Spotila JR, Dutton PH (2006) Leatherback turtles as oceanographic indicators: Stable isotope analyses reveal a trophic dichotomy between ocean basins. *Marine Biology* 149: 953-960.
- Wallace BP**, Sotherland PS, Bouchard SS, Santidrián Tomillo P, Reina RD, Spotila JR, Paladino FV (2006) Egg components, egg size, and hatchling size in leatherback turtles. *Comparative Biochemistry and Physiology A* 145: 524-532.

#### 2005

- Wallace BP**, Williams CL, Paladino FV, Morreale SJ, Lindstrom LT, Spotila JR (2005) Bioenergetics and diving activity of interesting leatherback turtles (*Dermodochelys coriacea*) at Parque Nacional Marino Las Baulas, Costa Rica. *Journal of Experimental Biology* 208: 3873-3844.  
(see [feature of this paper on Tagging of Pacific Pelagics \(TOPP\) website](#))
- Ralph CR, Reina RD, **Wallace BP**, Sotherland PR, Spotila JR, Paladino FV (2005) Effect of egg location and respiratory gas concentrations on developmental success in nests of the leatherback turtle, *Dermodochelys coriacea*. *Journal of Australian Zoology* 53: 289-294.

#### 2004

- Wallace BP**, Sotherland PR, Spotila JR, Reina RD, Franks BR, Paladino FV (2004) Biotic and abiotic factors affect the nest environment of embryonic leatherback sea turtles (*Dermodochelys coriacea*). *Physiological and Biochemical Zoology* 77: 423-432.
- Soslau G, **Wallace B**, Vicente C, Goldenberg SJ, Tupis T, Spotila J, George R, Paladino F, Whitaker B, Violetta G, Piedra R (2004) Comparison of functional aspects of the coagulation cascade in human and sea turtle plasmas. *Comparative Biochemistry and Physiology* 138: 399-406.
- Price ER, **Wallace BP**, Reina RD, Spotila JR, Paladino FV, Piedra R, Vélez E (2004) Size, growth and reproductive output of female leatherbacks (*Dermodochelys coriacea*). *Endangered Species Research* 5: 1-8.

#### PUBLICATIONS: In Review and In-Preparation (Target Journal)

- Wallace BP**, Jones TT. Physiological ecology of leatherback turtles. In: *The Leatherback Turtles: Biology and Conservation*, eds.: J.R. Spotila, M. Santidrián Tomillo (eds). Johns Hopkins Press, Baltimore, MD, USA. In review.
- Lewis RL, Maxwell S, **Wallace BP**. Impacts of fisheries bycatch on leatherback turtles worldwide. In: *The Leatherback Turtles: Biology and Conservation*, eds.: J.R. Spotila, M. Santidrián Tomillo (eds). Johns Hopkins Press, Baltimore, MD, USA. In review.
- Lewis RL, **Wallace BP**, Alfaro-Shigueto J, Mangel J, Maxwell S, Hazen E. Fisheries bycatch of marine turtles: lessons learned from decades of research and conservation. In: J. Wyneken, J.A. Musick (eds). *The Biology of Sea Turtles, Vol 3*. CRC Press, Boca Raton, FL. In review.
- Wallace BP**, Kot C, DiMatteo AD, Lee T, Lewis RL. Global assessment of fisheries bycatch impacts on marine turtles. *Ecosphere*, in preparation.
- Selig ER, Turner WR, Troeng S, **Wallace BP**, Halpern BS, Kaschner K, Lascelles BG, Carpenter KE, Mittermeier RA. Global priorities for marine biodiversity conservation. *Proceedings of the National Academy of Science*, in preparation.
- Price ER, Jones TT, **Wallace BP**, Guglielmo CG. Serum triglycerides and  $\beta$ -hydroxybutyrate predict feeding status in green turtles (*Chelonia mydas*): evaluating a single blood sample method for assessing feeding/fasting in reptiles. *Journal of Experimental Marine Biology and Ecology*, In preparation.
- Lewis RL, Crowder LB, **Wallace BP**, Moore JE, Cox TM, Zydelski R, Dunn DC, Stewart K, Soykan C, Bjorkland RK, Kot C, Kelez S, Boustany A, Read AJ, Halpin PN, Nichols WJ, Safina C. Global patterns of marine megafauna bycatch. *Science*, In preparation.
- Sieg AE, Griffin M, **Wallace BP**, Clusella Trullas S, Avery HW, Spotila JR. Biophysical and predator constraints on desert tortoise bioenergetics and activity along a resource gradient. *Journal of Thermal Biology*, in preparation.
- Sotherland PR, **Wallace BP**. Biotic and abiotic factors affecting embryonic development in leatherbacks. In: *The Leatherback Turtles: Biology and Conservation*, eds.: J.R. Spotila, M. Santidrián Tomillo (eds). Johns Hopkins Press, Baltimore, MD, USA. In preparation.
- DiMatteo AD, **Wallace BP**, Bowen BW, Halpin PN. Geographic patterns of marine turtle distribution and diversity. In preparation. *Diversity and Distributions*, in preparation.

#### NON-TECHNICAL PUBLICATIONS

- **Wallace BP**. Progress (editorial). *Marine Turtle Newsletter* (in press).
- **Chief Editor**, Informe sobre el Estado de las Tortugas Marinas del Paisaje Marino del Pacifico Oriental, February 2010
- "How Sea Turtle Have Weathered Past Climate Changes," by Brian Bowen and **Bryan Wallace**. *The State of the World's Sea Turtles – SWOT Report V*, April 2010.
- "Solving the Ridley Riddle," by Carl Safina and **Bryan Wallace**. *The State of the World's Sea Turtles – SWOT Report V*, April 2010.

- Blogger, Science Blogging @ [blogs.thesciencejobs.com](http://blogs.thesciencejobs.com)
  - “Where overfishing and climate change meet” (<http://blogs.thesciencejobs.com/2010/12/where-overfishing-and-climate-change.html#comments>)
- **Guest author**, National Geographic News Watch:
  - “Making oceans turtle-friendly by eating well” (<http://blogs.nationalgeographic.com/blogs/news/chiefeditor/2010/04/sea-turtles-in-peril.html>)
- **Guest author**, Conservation International blog:
  - “It Ain’t Over Yet” (<http://blog.conservation.org/2009/04/it-aint-over-yet/>)
  - “Where are they now?: The true stories of each racing turtle”: (<http://blog.conservation.org/2009/04/where-are-they-now-the-true-stories-of-each-racing-turtle/>)
  - “Loving what lurks below: Why we save sharks?” (<http://blog.conservation.org/2011/08/loving-what-lurks-below-why-we-save-sharks/>)
  - “Getting our priorities straight for sea turtle conservation” (<http://blog.conservation.org/2011/09/getting-our-priorities-straight-for-sea-turtle-conservation/>)
  - “The trouble with being a turtle...or a fisherman” (<http://blog.conservation.org/2011/09/the-trouble-with-being-a-turtle-or-a-fisherman/>)
- **Guest author**, *Deep-Sea News*:
  - “Leatherback turtles: going where few air-breathers dare to go”: ([http://scienceblogs.com/deepseanews/2007/04/leatherback\\_turtles\\_going\\_wher.php#more](http://scienceblogs.com/deepseanews/2007/04/leatherback_turtles_going_wher.php#more))
  - “Leatherback turtles: one year later”: ([http://scienceblogs.com/deepseanews/2008/04/leatherback\\_turtles\\_one\\_year\\_l.php#more](http://scienceblogs.com/deepseanews/2008/04/leatherback_turtles_one_year_l.php#more))
  - “Gigantothermy: Size matters” (<http://deepseanews.com/2009/04/gigantothermy-size-matters/>)
  - “Deep diving adaptations of leatherback turtles” (<http://deepseanews.com/2009/04/deep-diving-adaptations-of-leatherback-turtles/>)
  - “The Great Turtle Race Begins Again!”: (<http://deepseanews.com/2009/04/the-great-turtle-race-begins-again/>)
- “Differences among leatherback populations worldwide: reassessing the assessments,” by Vincent Saba and **Bryan Wallace**. *The State of the World’s Sea Turtles – SWOT Report IV*, February 2009 ([www.seaturtlestatus.org/report/view](http://www.seaturtlestatus.org/report/view)).

## TEACHING EXPERIENCE

- **Marine Ecology (and Lab)**, Duke Univ. Marine Lab, Fall 2006, responsible for full course **and Co-Instructed Laboratory**: course included undergraduate and graduate students
- **Marine Megafauna**, Duke Univ. Marine Lab, Fall 2006, co-coordinated course, taught 25% of course
- **The Biology of Sea Turtles**, Duke Univ. Marine Lab, Summer 2006 & 2007, guest lecturer: course included undergraduate students and international fellows
- **Evolution**, Dept. of Bioscience, Drexel Univ., Summer 2004, taught 30% of course
- **Biophysical Ecology**, Dept. of Bioscience, Drexel Univ., Spring 2003, taught 50% of course: course included undergraduate and graduate students
- **Ecology**, Dept. of Bioscience, Drexel Univ., Fall 2003, taught 30% of course
- **Ecology**, School of Env. Sci., Eng., & Policy, Drexel Univ., Spring 2002, taught 50% of course
- **Evolution**, Dept. of Bioscience, Drexel Univ., Spring 2002, taught 50% of course
- **Boonshoft Museum of Discovery, Dayton Society of Natural History**, 1999-2001, program instructor and curriculum coordinator for classes in life and physical science classes for students pre-K-8<sup>th</sup> grade; coordination and delivery of public programs for group events ranging in ages from pre-K children to senior citizens.

## SUPERVISORIAL DUTIES

- **Supervisor**, SWOT database manager / **OBIS-SEAMAP** geospatial analyst
- **Co-supervisor**, a Masters student at Indiana-Purdue University, Fort Wayne (Graduated 2009)
- **Committee member**, a Masters student at Universidad Nacional Autónoma, Costa Rica

- **Supervisor**, interns (2008 and 2009) on sea turtle management unit design and conservation priority setting work

## **SERVICE**

- **Regional Co-Vice Chair**, Eastern Pacific Region, IUCN-Marine Turtle Specialist Group
- **Chair, Science Advisory Board**, [SWOT – The State of the World’s Sea Turtles](#)
- **Scientific Advisory Board**, Grupo Tortuguero de las Californias
- **Sectorial Member, Consultative Committee of Experts**, Inter-American Convention for the Protection and Conservation of Sea Turtles
- **Associate Editor**, *Chelonian Conservation and Biology*
- **Review Editor**, *Endangered Species Research*
- **Reviewer** for peer-reviewed journals (30 total): *Advances in Marine Biology, Biological Conservation, Biology Letters, Canadian Journal of Zoology, Chelonian Conservation and Biology, Ciencias Marinas, Comparative Biochemistry and Physiology, Conservation Biology, Copeia, Ecological Applications, Endangered Species Research, Fish and Fisheries, Fisheries Bulletin, Frontiers in Ecology and Evolution, Functional Ecology, Herpetological Journal, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Experimental Biology, Journal of Experimental Marine Biology and Ecology, Journal of Herpetology, Journal of Marine Biological Association of the UK, Journal of Zoology, Marine Biology, Marine Ecology Progress Series, Marine Turtle Newsletter, Nature: Scientific Reports, PLoS ONE, Proceedings of the Royal Society B, Science*
- **Expert reviewer**, Division of Fisheries and Oceans, Canada, Species At Risk review of critical habitats and threats assessments to leatherback turtles
- **Review Panel**, Marine Conservation Action Fund, New England Aquarium
- **Coordinator**, Sea Turtle Network, CI-Eastern Tropical Pacific Seascape
- **Co-Assessor**, IUCN Red List Assessment for the leatherback turtle, *Dermochelys coriacea*
- **Program Co-Chair**, 31<sup>st</sup> Annual International Sea Turtle Symposium, San Diego, CA, USA, April 2011
- **US & Canada Regional Travel Chair**, International Symposium on Sea Turtle Conservation and Biology, 2007-2011
- **Session co-chair**, International Symposium on Sea Turtle Conservation and Biology, 2007-present
- **Session chair**, Complementary Symposium EcoPhysiology and Conservation: The Contributions of Energetics. Annual Meeting of the Society of Integrative and Comparative Biology, Orlando, FL, January 2006.
- **Judge, student paper presentations**, International Symposium on Sea Turtle Conservation and Biology, 2008-2010
- **Judge, student paper presentations**, Division of Comparative Physiology and Biochemistry, SICB Meeting, 2007; Division of Ecology and Evolutionary Biology, SICB Meeting, 2006 & 2007.
- **Co-organizer**, The Great Turtle Race: Canada to the Caribbean, April 2009 ([www.GreatTurtleRace.com](http://www.GreatTurtleRace.com)), co-organized by National Geographic with field partner Canadian Sea Turtle Network
- **Consultant for Earth Day Science Symposium**, Earth’s Birthday Project ([www.earthsbirthday.org](http://www.earthsbirthday.org))
- **Consultant for children’s book**: *Supersized! Leatherback turtle: the world’s heaviest reptile*, by Kirsten Hall, Bearport Publishing, New York.
- **Consultant for The Great Turtle Race**, April 2007

## **PRESENTATIONS AT INTERNATIONAL SYMPOSIA**

- 32<sup>nd</sup> Annual International Symposium on Sea Turtle Conservation and Biology, Huatúlco, Mexico, March 2012
- 2<sup>nd</sup> International Marine Conservation Congress, Society of Conservation Biology. Victoria, British Columbia, Canada, May 2011 (poster)

- 30<sup>th</sup> Annual International Symposium on Sea Turtle Conservation and Biology. Goa, India, April 2010
- International Marine Conservation Congress, Society of Conservation Biology. Washington, DC, USA, May 2009
- 29<sup>th</sup> Annual International Symposium on Sea Turtle Conservation and Biology. Brisbane, Australia, February 2009
- 28<sup>th</sup> Annual International Symposium on Sea Turtle Conservation and Biology. Loreto, BCS, Mexico, January 2008.
- 27<sup>th</sup> Annual International Symposium on Sea Turtle Conservation and Biology. Myrtle Beach, SC, February 2007.
- Annual Meeting of the Society of Integrative and Comparative Biology, Phoenix, AZ, January 2007.
- 26<sup>th</sup> Annual International Symposium on Sea Turtle Conservation and Biology. Island of Crete, Greece, April 2006.
- Annual Meeting of the Society of Integrative and Comparative Biology, Orlando, FL, January 2006.
- 5<sup>th</sup> World Congress of Herpetology, Stellenbosch, South Africa, June 2005
- 25<sup>th</sup> Annual International Symposium on Sea Turtle Conservation and Biology. Savannah, GA, January 2005
- Annual Meeting of the Society of Integrative and Comparative Biology, San Diego, CA, January 2005.
- 24<sup>th</sup> Annual International Symposium on Sea Turtle Conservation and Biology. San Jose, Costa Rica, February 2004.
- 23<sup>rd</sup> Annual International Symposium on Sea Turtle Conservation and Biology. Kuala Lumpur, Malaysia, March 2003.

### **INVITED LECTURES**

- The Coastal Society, Duke University Marine Lab, February 2012: Global conservation priorities for marine turtles: fisheries bycatch in focus.
- Invited Keynote Address, V Simposio Regional sobre Tortugas Marinas del Pacifico Sudeste, Panama, Dec 2011
- Invited Keynote Address, 2<sup>nd</sup> Conference on Sea Turtles of the Mediterranean. Naples, Italy, Nov 2011
- Invited Keynote Address, 5<sup>th</sup> Conference of Parties, Inter-American Convention on the Protection and Conservation of Sea Turtles. Bonaire, Netherlands Antilles, June 2011.
- Reunion de La Red de Especialistas en Tortugas Marinas de Latinoamerica (RETOMALA), Goa, India, April 2010: Impactos de las condiciones ambientales en las tortugas marinas en el Pacifico Oriental
- XV Taller Regional sobre Programas de Conservación de Tortugas Marinas de la Peninsula Yucatan, Telchac Puerto, Yucatan, Mexico: El Estado de las Tortugas Marinas del Mundo (SWOT): recopilando y presentando información al nivel mundial para la conservación de las tortugas marinas.
- The National Academies National Research Council, Review of Sea Turtle Population Assessment Methods, Washington DC, Sept 2009: Regional management units for sea turtles worldwide.
- Shippensburg University, Shippensburg, PA, March 2009; Unique region, unique turtles: Current knowledge, lessons from the past, and opportunities for the future for leatherbacks in the eastern Pacific.
- Keynote Address, II Simposio sobre Tortugas Marinas en el Pacifico Sureste, Lima, Perú, 13 Nov 2008: Región única, tortugas únicas: el conocimiento actual, lecciones del pasado, y oportunidades para el futuro en el Pacifico Oriental.
- Duke University Marine Lab, Beaufort, NC, Oct 2008; A Tale of Two Countries: the roles of international NGOs and academia in sea turtle conservation in Costa Rica and El Salvador.
- University of British Columbia (Canada) Fisheries Centre, May 2007; Toward a global assessment of fisheries bycatch of long-lived species.
- North Carolina State University Center for Marine Science and Technology, Morehead City, NC, May 2007; Toward a global assessment of fisheries bycatch of long-lived species.

- University of North Carolina, Institute of Marine Sciences, Morehead City, NC, May 2007; Multi-scale environmental influences on the ecophysiology of endangered marine megafauna.
- Environmental Ethics course & Ecology course, University of Dayton, OH, March 2005.
- Biodiversity and Conservation course, Drexel University, November 2004.
- EARTHWATCH Institute, Boston, September 2004.
- AP Biology, Sidney Lehman Catholic High School, OH, May 2004 & March 2005.
- AP Biology, Chaminade-Julienne High School, OH, October 2001 and May 2002.

## **MEETINGS AND WORKSHOPS**

- **Toward an Action Plan to Save Eastern Pacific Leatherbacks**, 11-12 March 2012, 32<sup>nd</sup> Annual International Sea Turtle Symposium, Huatulco, Mexico
- **SWOT Minimum Data Standards Workshop** (co-organizer), 4<sup>th</sup> Conference on Mediterranean Sea Turtles, Naples, Italy, Nov 2011.
- **IUCN Marine Turtle Specialist Group Burning Issues in Sea Turtle Conservation Working Group 6** (co-organizer), National Conservation Training Center, Shepherdstown, WV, Oct 2011.
- **IV Simposio Regional sobre Tortugas Marinas del Pacifico Sudeste** (co-organizer), Medellín, Colombia, November 2010.
- **Workshop on Applications of Stable Isotope Analyses to Sea Turtle Ecology** (co-organizer and presenter), Goa, India, April 2010.
- **Taller de Expertos sobre Tortugas Marinas en el Paisaje Marino del Oceano Pacifico Oriental** (co-organizer), Instituto Nacional de la Pesca, Guayaquil, Ecuador, Nov 2009.
- **IUCN Marine Turtle Specialist Group Burning Issues in Sea Turtle Conservation Working Group 5** (co-organizer), National Conservation Training Center, Shepherdstown, WV, Sept 2009.
- **Workshop on Project Design and Standardization of Methods for Sea Turtle Research in the Southeastern Pacific: fisheries interactions and socio-economic aspects**, Lima, Peru, Nov 2008.
- **IUCN Marine Turtle Specialist Group Burning Issues in Sea Turtle Conservation Working Group 4** (co-organizer), National Conservation Training Center, Shepherdstown, WV, Aug 2008.
- **First Workshop on Biology and Conservation of Hawksbill Sea Turtles in the Eastern Pacific Ocean**, Los Cóbano, El Salvador, July 2008.
- **State of the World's Sea Turtles (SWOT) Scientific Advisory Board Minimum Data Standards workshop** (co-organizer), National Conservation Training Center, Shepherdstown, WV, June 2008.
- **Workshop on Biology and Conservation of Sea Turtles of the Eastern Pacific Ocean**, Las Perlas, Panamá, Nov 2007.

## **AWARDS & SKILLS**

- **Fluency in Spanish** (speaking and writing skills)
- National Fish and Wildlife Foundation grant for "Plan of action to save East Pacific leatherbacks"
- 'Head in the Sky' award for "Global assessment of bycatch on sea turtles," Conservation International Chairman's Council, 2011
- National Fish and Wildlife Foundation grant for "Assessment of fisheries bycatch impacts on sea turtle Regional Management Units" (Jan 2011-Jan 2012).
- Global Performance Bonus for 2010, Conservation International
- SCUBA open water certification (PADI)
- School of Environmental Science, Engineering, and Policy 2002 Research Day Poster Award
- Foerste Award for Excellence, Boonshoft Museum of Discovery (Dayton, OH), 2000

## **PROFESSIONAL MEMBERSHIPS**

- International Sea Turtle Society (ISTS)
- Society of Conservation Biology (SCB)
- Society for Integrative and Comparative Biology (SICB)