

Laela S. Sayigh
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Woods Hole, MA 02543

EDUCATION

- 1992 Ph.D., Massachusetts Institute of Technology/Woods Hole Oceanographic Institution
Joint Program, Department of Biology
- 1985 B. A., University of Pennsylvania, *summa cum laude* with distinction in Biology and
Environmental Studies, minor in Music

EMPLOYMENT

- 2008 – pres Research Specialist, Biology Department, Woods Hole Oceanographic Institution
- 2011 - pres Faculty (part time), Massachusetts Maritime Academy
- 2005 - pres Research Associate Professor, Department of Biology and Marine Biology, University of
North Carolina Wilmington (UNCW)
- 1993 - 2012 Summer Faculty, Duke University Marine Laboratory (not all summers)
- 2010 – 2011 Faculty (part time), Falmouth Academy
- 2008 - pres Adjunct Faculty, Duke University Marine Laboratory
- 2000 - pres Adjunct Scientist, Mote Marine Laboratory
- 2005 - 2008 Visiting Investigator, Biology Department, Woods Hole Oceanographic Institution
- 2001 - 2005 Associate Professor with tenure, Department of Biological Sciences and Center for
Marine Science, UNCW
- 1995 - 2001 Assistant Professor, Department of Biological Sciences and Center for Marine Science
Research, UNCW
- 1994 - 1995 Visiting Assistant Professor, Department of Biological Sciences, UNCW
- 1992 - 1994 Assistant Professor, Department of Marine Safety and Environmental Protection,
Massachusetts Maritime Academy

TEACHING EXPERIENCE

- 2014 Marine Mammals (Massachusetts Maritime Academy)
- 2013 General Biology (Massachusetts Maritime Academy)
- 2012 Topics in Sensory Biology (MIT/WHOI joint program)
- 2012 Marine Mammals (Massachusetts Maritime Academy)
- 2011 General Biology, Biology of Fishes (Massachusetts Maritime Academy)
- 2011 Topics in Marine Animal Behavior (MIT/WHOI joint program)
- 2010 Chemistry (Falmouth Academy)
- 2009 Topics in Marine Mammal Science (MIT/WHOI joint program)
- 1994-2005 Animal biology, Marine mammals, Behavioral ecology, Animal communication, Field
methods in marine mammalogy, Senior seminars, Critique of scientific literature -UNCW
- 1993-2012 Marine Mammals (Duke University Marine Laboratory; not all years)
- 1992-1994 General Biology, Marine Biology, Biological and Chemical Oceanography,
Introductory Chemistry (Massachusetts Maritime Academy)
- 1988-9 TA positions at Boston University Marine Program and Harvard University

STUDENT SUPERVISION

- *UNCW (1994-2004)*: Supervised 12 graduate students; served on 12 graduate thesis committees; supervised 10 undergraduate honors projects and 60+ graduate and undergraduate directed independent studies
- *WHOI (2004-pres)*: Supervise/d 17 interns, summer students and guest students; supervise/d five high school science fair projects; work/ed with several joint program students and postdocs; external examiner for PhD (University of British Columbia); serve/d on six PhD committees (WHOI-MIT, Duke University, University of Chicago, University of Massachusetts Dartmouth)

OUTREACH EXPERIENCE

- Frequent contributor to outreach requests at WHOI, in the form of lectures to schools and other groups and email or phone interviews with students and reporters
- Extensive experience with supervision of student research projects, at the high school, undergraduate and graduate levels
- Mentored five Falmouth Academy science fair projects (2011 -2015)
- Contributed to COSEE Now's Broader Impacts Videos (<http://www.youtube.com/watch?v=EzDocJzeCpo> and <http://www.youtube.com/watch?v=4bTuFynsOBE&feature=related>)
- Worked with summer student on contributions to the New York Times "Scientists at Work" blog (e.g., http://scientistatwork.blogs.nytimes.com/2012/05/09/playing-tag-with-dolphins/?_php=true&_type=blogs&_r=0);
- Represented WHOI at Cambridge Science Festival (April 2012)
- Contributed data and participated in outreach events for Scientific American's citizen science project "WhaleFM" (http://www.huffingtonpost.com/laela-sayigh/whale-calls-citizen-science_b_2170819.html; <http://blog.whale.fm/2012/09/20/first-publication-using-data-from-whale-fm/>)
- PI on two Sea Grant projects to develop a published K-12 activity, an activity for the visually impaired, and marine mammal exhibits at the WHOI Ocean Science Exhibit Center
- Featured in three recent articles in WHOI's Oceanus magazine: (<http://www.who.edu/oceanus/feature/cape-wind>; <http://www.who.edu/oceanus/feature/SeismicWhales> <http://www.who.edu/oceanus/viewArticle.do?id=172009>)
- Working with K-5 Science Lead of the Learning Design Group at the Lawrence Hall of Science, University of California, Berkeley, on a book about my work as part of a new science curriculum (<http://www.scienceandliteracy.org/about/whatisit/approach>)

PUBLICATIONS

31. Kershenbaum, A., D. Blumstein, M. Roch, C. Akcay, G. Backus, M. Bee, K. Bohn, Y. Cao, G. Carter, C. Casar, M. Coen, S. DeRuiter, L. Doyle, S. Edelman, R. Ferrer-i-Cancho, T. Freeberg, E. Garland, M. Gustison, H. Harley, C. Huetz, M. Hughes, J. Hyland Bruno, A. Ilany, D. Jin, M. Johnson, C. Ju, J. Karnowski, B. Lohr, M. Manser, B. McCowan, E. Mercado III, P. Narins, A. Piel, M. Rice, R. Salmi, K. Sasahara, **L. Sayigh**, Y. Shiu, C. Taylor, E. Vallejo, S. Waller, V. Zamora-Gutierrez. (2014). Acoustic sequences in non-human animals: A tutorial review and prospectus. *Biological Reviews*. doi: 10.1111/brv.12160.
30. Kaplan, M., A. Mooney, **L. Sayigh**, and R. Baird. (2014). Repeated call types in Hawaiian melon-headed whales (*Peponocephala electra*). *Journal of the Acoustical Society of America* 136: 1394-1401.
29. Kershenbaum A., **L. S. Sayigh**, and V. M. Janik. 2013. The encoding of individual identity in dolphin signature whistles: how much information is needed? *PLoS One*, vol 8, no. 10, e77671.
28. **Sayigh, L.** Cetacean Acoustic Communication. 2013. In: *Biocommunication of Animals*, DOI 10.1007/978-94-007-7414-8_16, Springer Science+Business Media Dordrecht, pp. 275-297.
27. Janik, V. and **L. Sayigh**. 2013. Communication in bottlenose dolphins: 50 years of signature whistle research. Special Issue "Sensory Biology of Aquatic Mammals" for the *Journal of Comparative Physiology A*. DOI 10.1007/s00359-013-0817-7.
26. King, S., **L. Sayigh**, R. Wells, H. Harley, V. Janik. 2013. Vocal copying of individually distinctive signature whistles in bottlenose dolphins. *Proceedings of the Royal Society B* 280:20130053.
25. **Sayigh, L.S.**, N. Quick, G. Hastie and P. Tyack. 2013. Repeated calls of short-finned pilot whales, *Globicephala macrorhynchus*. *Marine Mammal Science* 29:312-324.
24. Janik, V. M., S. L. King, **L. S. Sayigh**, and R. S. Wells. 2013. Identifying signature whistles from recordings of groups of unrestrained bottlenose dolphins (*Tursiops truncatus*). *Marine Mammal Science*, 29:109-122.
23. **Sayigh, L. S.** 2012. Review of "The Dusky Dolphin, Master Acrobat of Different Shores", edited by Bernd and Melany Würsig. *Quarterly Review of Biology*, 87:273-4.
22. **Sayigh, L. S.** and V. Janik. 2010. Dolphin signature whistles. In: *Encyclopedia of Animal Behavior*, volume 1, ed. M. D. Breed and J. Moore. Oxford: Academic Press, pp. 553-561.
21. **Sayigh, L.** 2009. The social minds of other species. Review of *Beautiful Minds*, by M. Bearzi and C. Stanford. *Evolutionary Psychology* 7(1):104-109.
20. Esch, C., **L. Sayigh**, J. Blum and R. Wells. 2009. Whistles are potential indicators of stress in bottlenose dolphins. *Journal of Mammalogy* 90(3):638-650.
19. Esch, C., **L. Sayigh** and R. Wells. 2009. Quantification of parameters of signature whistles of bottlenose dolphins. *Marine Mammal Science* 25(4):976-986.
18. **Sayigh, L. S.** and V. Janik. 2008. Signature whistles. In: *Encyclopedia of marine mammals*, ed. W. Perrin, J. Thewissen, and B. Würsig. Academic Press: San Diego, pp. 1014-1016.
17. **Sayigh, L.**, C. Esch, R. Wells and V. Janik. 2007. Facts about bottlenose dolphin signature whistles. *Animal Behaviour* 74:1631-1642.
16. Haviland-Howell, G., A. Frankel, C. Powell, A. Bocconcelli, R. Herman and **L. Sayigh**. 2007. Recreational boating traffic: A chronic source of anthropogenic noise in the Wilmington, North Carolina Intracoastal Waterway. *J. of the Acoustical Society of America* 122:151-160.
15. Janik, V., **L. Sayigh** and R. Wells. 2006. Signature whistle shape conveys identity information to bottlenose dolphins. *Proceedings of the National Academy of Sciences* 103: 8293-8297.

PUBLICATIONS, cont.

14. Halls, J., C. Hanby and **L. Sayigh**. 2006. Where are the dolphins? A spatial and temporal analysis of dolphin distribution in Southeastern North Carolina. Papers of the Applied Geography Conference 29: 96-105.
13. Cook, M. L. H., **L. Sayigh**, J. Blum and R. Wells. 2004. Signature whistle production in undisturbed, free-ranging bottlenose dolphins (*Tursiops truncatus*). Proceedings of the Royal Society 271: 1043-1049.
12. Jones, G., and **L. Sayigh**. 2002. Geographic variation in rates of vocal production of free-ranging bottlenose dolphins. Marine Mammal Science. 18: 374-393.
11. **Sayigh, L. S.** 2002. Signature whistles. In Encyclopedia of marine mammals, ed. B. Wursig and W. Perrin. Academic Press: San Diego, pp. 1081-1083.
10. Allen, M., A. Read, J. Gaudet, and **L. Sayigh**. 2001. Fine scale habitat selection of foraging bottlenose dolphins (*Tursiops truncatus*) near Clearwater, Florida. Marine Ecology Progress Series 222: 253-264.
9. **Sayigh, L. S.**, P. L. Tyack, R. S. Wells, A. Solow, M. Scott, and A. B. Irvine. 1999. Individual recognition in wild bottlenose dolphins: a field test using playback experiments. Animal Behavior 57:41-50.
8. Tyack, P. L. and **L. S. Sayigh**. 1997. Vocal learning in cetaceans. In Social Influences on Vocal Development, ed. C. Snowdon and M. Hausberger, pp.208-233. Cambridge Univ. Press.
7. **Sayigh, L. S.**, P. L. Tyack, R. S. Wells, M. D. Scott, and A. B. Irvine. 1995. Sex difference in whistle production in free-ranging bottlenose dolphins, *Tursiops truncatus*. Behavioral Ecology and Sociobiology 36: 171-177.
6. **Sayigh, L. S.**, P. L. Tyack and R. S. Wells. 1993. Recording underwater sounds of free-ranging dolphins while underway in a small boat. Marine Mammal Science 9: 209-213.
5. **Sayigh, L. S.**, P. L. Tyack, R. S. Wells and M. D. Scott. 1990. Signature whistles of free-ranging bottlenose dolphins, *Tursiops truncatus*: stability and mother-offspring comparisons. Behavioral Ecology and Sociobiology 26: 247-260.
4. Tyack, P. L. and **L. S. Sayigh**. 1989. Those dolphins aren't just whistling in the dark. Oceanus 32(1): 80-83
3. Casper, B. B., **L. S. Sayigh** and S. Lee. 1988. Demonstration of cryptic incompatibility in distylous *Amsinckia douglasiana*. Evolution 42(2): 248-253.
2. Petraitis, P. S. and **L. Sayigh**. 1987. In situ measurement of radular movements of three species of *Littorina* (Gastropoda: Littorinidae). The Veliger 29(4): 384-387.
1. **Sayigh, L.** and R. Morin. 1986. Summer diet and daily consumption of periphyton of the longnose sucker, *Catostomus catostomus*, in the lower Matamek river, Quebec. Le Naturaliste Canadien (Rev. Ecol. Syst.) 113: 361-368.

MEETING PRESENTATIONS (90+ since 1995; shown are those since 2000)

72. **Sayigh, L. S.**, M. A. Daher, J. Allen, H. Gordon, K. Joyce, and P. Tyack. 2015. The Watkins Marine Mammal Sound Database: creating an online, freely accessible resource. Poster presentation at the Watkins Memorial Marine Mammal Bioacoustics Symposium, 27-29 March 2015.
71. **Sayigh, L.S.**, R.M. Perrtree, A. Williford, M.C. Curran, and T. M. Cox. 2014. Acoustic record of a presumed infanticide attempt by common bottlenose dolphins in Georgia. Spoken presentation at the Animal Behavior Society meeting, Princeton, NJ, 9-13 August 2014.
70. Stuhlmann, C.E., **L. S. Sayigh**, R. S. Wells, and V. M. Janik. 2014. The M whistle: A stereotyped non-signature whistle in free-ranging bottlenose dolphins, *T. truncatus*. Animal Behavior Society, Princeton, NJ, 9-13 August 2014.
69. Perrtree, R. M., **L. Sayigh**, A. Williford, M. C. Curran, and T. M. Cox. 2014. Visual and acoustic record of a presumed infanticide attempt by common bottlenose dolphins (*Tursiops truncatus*) near Savannah, Georgia. Southeast and Mid Atlantic Marine Mammal Symposium (SEAMAMMS), Wilmington, NC, 28-30 March 2014.
68. Curran, M. C., C. Kovacs, T. M. Cox, and **L.S. Sayigh**. 2014. From charismatic megafauna to parasites: incorporating scientific research into K12 activities. Southeastern Estuarine Research Society (SEERS), Coastal Georgia Center, GA, February 2014.
67. **Sayigh, L.** 2014. Insights into the complex communication system of the common bottlenose dolphin (*Tursiops truncatus*). Invited plenary presentation at the symposium “Dolphin acoustics, behavior and cognition,” Tokai University, Japan, February 2014
66. Curran, M. C., C. Kovacs, T. M. Cox, and **L.S. Sayigh**. 2013. Incorporating cetacean research into K-12 educational activities. 20th Biennial Conference on the Biology of Marine Mammals, Dunedin, NZ, December 2013.
65. **Sayigh, L.**, V. Janik, F. Jensen, K. McHugh, R. Wells, and P. Tyack. 2013. Insights into a complex communication system from DTAGs on bottlenose dolphins. Invited spoken presentation at the Acoustical Society of America special session on “Broadening Applications of Tags to Study Animal Bioacoustics,” San Francisco, CA, December 2013.
64. Kaplan, M., **L. Sayigh**, L. Lamoni and T. Mooney. 2013. Passive acoustic monitoring of noise and biological sounds at America’s first offshore wind farm. Acoustical Society of America meeting, San Francisco, CA (Aran Mooney, presenter) December, 2013.
63. Curran, M. C., C. Kovacs, T. M. Cox, and **L.S. Sayigh**. 2013. From charismatic megafauna to parasites: incorporating scientific research into K12 activities. Coastal and Estuarine Research Federation (CERF), San Diego, CA, November 2013.
62. **Sayigh, L.** 2013. Sequential call production in pilot whales: importance of caller ID and context. Invited spoken presentation at the NIMBioS investigative workshop on analysing vocal sequences in animals, Knoxville, TN, October 2013.
61. **Sayigh, L.**, F. Jensen, A. Canadas, L. Hickmott, A. Bocconcelli, W. Lange, N. Macfarlane, and P. Tyack. 2013. Potential for using stereotyped calling behavior as a response measure for controlled exposure experiments. Invited spoken presentation at the Multi-Study Ocean Acoustics Human Effects Analysis (MOCHA) workshop on pilot whales, Beaufort, NC, September 2013.
60. Kaplan, M., **L. Sayigh**, L. Lamoni and T. Mooney. 2013. Detection of noise and biological sound at America’s first offshore wind farm. International Bioacoustics Congress, Pirenopolis, Brazil (L. Lamoni, presenter), September 2013.

MEETING PRESENTATIONS, cont.

59. Thean, T., **L. Sayigh**, A. Kershenbaum, R. Wells, and V. Janik. 2013. Signature whistle models in bottlenose dolphins, *Tursiops truncatus*. 50th Annual Conference of the Animal Behavior Society, Boulder, Colorado, July 2013.
58. Kaplan, M., **L. Sayigh**, L. Lamoni and T. Mooney. 2013. Detection of noise and biological sound at America's first offshore wind farm. 6th International Workshop on Detection, Classification, Localization, & Density Estimation (DCL&DE) of Marine Mammals using Passive Acoustics, St Andrews, Scotland (primary presenter because M. Kaplan was presenting another poster), June 2013.
57. Thean, T., V. Janik, R. Wells, and **L. Sayigh**. 2012. Signature whistle models in bottlenose dolphins, *Tursiops truncatus*. National Institute for Mathematical and Biological Synthesis Undergraduate Research Conference, Knoxville, Tennessee, November 2012.
56. **Sayigh, L.**, R. Wells, and V. Janik. 2012. Vocal recognition in bottlenose dolphins. Invited spoken presentation at the Conference on Sensory Biology of Aquatic Mammals, Rostock University, Germany, October 2012.
55. **Sayigh, L.**, F. Jensen, A. Canadas, L. Hickmott, A. Bocconcelli, W. Lange, N. Macfarlane, and P. Tyack. 2011. Contexts of stereotyped call production in long-finned pilot whales (*Globicephala melas*). Spoken presentation at the 19th Biennial Conference on the Biology of Marine Mammals, Tampa, FL, 27 Nov – 2 Dec 2011.
54. Curran, M. C., S. Bown-Stevens, T. Cox, and **L. Sayigh**. 2011. Fun facts: Using cetacean research to teach students about science and ocean literacy. 19th Biennial Conference on the Biology of Marine Mammals, Tampa, FL, 27 Nov – 2 Dec 2011.
53. Janik, V., P. Simard, **L. Sayigh**, A. Frankel, and D. Mann. 2011. Chorusing in offshore bottlenose dolphins (*Tursiops truncatus*) suggests an unusual social structure. 19th Biennial Conference on the Biology of Marine Mammals, Tampa, FL, 27 Nov – 2 Dec 2011.
52. Jensen, F., A. Bocconcelli, A. Cañadas, L. Hickmott, N. MacFarlane, **L. Sayigh**, and P. Tyack. 2011. Acoustic coordination mechanisms in long-finned pilot whales (*Globicephala melas*). 19th Biennial Conference on the Biology of Marine Mammals, Tampa, FL, 27 Nov – 2 Dec 2011.
51. King, S., **L. Sayigh**, R. Wells, W. Fellner, and V. Janik. 2011. What's in a name: Why do bottlenose dolphins copy each other's signature whistles? 19th Biennial Conference on the Biology of Marine Mammals, Tampa, FL, 27 Nov – 2 Dec 2011.
50. Lee, W-J., **L. Sayigh**, F. Jensen, and P. Tyack. 2011. Tonal whistles or burst pulses? Linking potential sound production mechanisms to the classification of toothed whale sound. 19th Biennial Conference on the Biology of Marine Mammals, Tampa, FL, 27 Nov – 2 Dec 2011.
49. Macfarlane, N., **L. Sayigh**, V. Janik, T. Hurst, M. Johnson, R. Wells, and P. Tyack. 2011. Tagging wild bottlenose dolphins (*Tursiops truncatus*) with digital acoustic tags (DTAGs). 19th Biennial Conference on the Biology of Marine Mammals, Tampa, FL, 27 Nov – 2 Dec 2011.
48. **Sayigh, L.**, F. Jensen, A. Canadas, L. Hickmott, A. Bocconcelli, N. Macfarlane, and P. Tyack. 2011. Stereotyped calls in long-finned pilot whales (*Globicephala melas*). Spoken presentation at the 3rd Symposium on Acoustic Communication in Animals, Ithaca, NY, August 2011.
47. Lee, W-J., **L. Sayigh**, F. Jensen, and P. Tyack. 2011. Tonal whistles or burst pulses? How models of sound production mechanisms and wavelet analysis may provide insights into the classification of toothed whale sounds. 3rd Symposium on Acoustic Communication in Animals, Ithaca, NY, August 2011.

MEETING PRESENTATIONS, cont.

46. King, S., **L. Sayigh**, R. Wells, W. Fellner, and V. Janik. 2011. What's in a name: Why do bottlenose dolphins copy each other's signature whistles? Association for the Study of Animal Behaviour, UK, August 2011.
45. Tyack, P., A. Bocconcelli, A. Cañadas, L. Hickmott, N. MacFarlane, **L. Sayigh**, and F. Jensen. 2011. Extreme dive synchrony and acoustic coordination in a pair of long-finned pilot whales (*Globicephala melas*) from the Western Mediterranean. 25th annual conference of the European Cetacean Society, Cadiz, Spain, March 2011.
44. Hickmott, L., P. Tyack, A. Bocconcelli, A. Cañadas, **L. Sayigh**, E. Revelli, J. A. Vázquez, and F. Jensen. 2011. Foraging behaviour of long-finned pilot whales (*Globicephala melas*) in the Alboran Sea, Western Mediterranean. 25th annual conference of the European Cetacean Society, Cadiz, Spain, March 2011.
43. **Sayigh, L. S.** and V. M. Janik. 2010. Are bottlenose dolphin signature whistles referential signals? Invited talk at the INCORE Thematic Meeting on Comparative and Evolutionary Perspectives on Referential Communication and Cooperation, Berlin, Germany, June 2010.
42. King, S. L., V. M. Janik, **L. S. Sayigh**, R. S. Wells and V. B. Deecke. 2009. A method of identifying signature whistle types from field recordings of wild, unrestrained bottlenose dolphins (*Tursiops truncatus*). UK Student Regional Chapter of the Society for Marine Mammalogy, February, 2009.
41. **Sayigh, L.**, N. Quick, G. Hastie, V. Janik, I. Boyd, D. Claridge, C. Clark, C. Moretti, B. Southall, P. Tyack. 2009. Stereotyped call sequences in short-finned pilot whales: evidence for individually specific and shared calls. Spoken presentation at the 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Quebec, October 2009.
40. Gridley, T., P. Berggren, O. Boisseau, T. Morisaka, V. Cockcroft, M. Lemon Blewitt, **L. Sayigh**, V. Janik. 2009. Population level variation in wild bottlenose dolphin (*Tursiops sp.*) signature whistle types. 18th Biennial Conference on the biology of Marine Mammals, Quebec City, Quebec, October 2009.
39. King, S. L., V. M. Janik, **L. S. Sayigh**, V. B. Deecke, and R. S. Wells. 2009. A method of identifying signature whistle types from field recordings of wild, unrestrained bottlenose dolphins (*Tursiops truncatus*). 18th Biennial Conference on the biology of Marine Mammals, Quebec City, Quebec, October 2009.
38. Quick, N., **L. Sayigh**, G. Hastie, V. Janik, D. Claridge, C. Clark, D. Moretti, B. Southall, P. Tyack, and I. Boyd. 2009. Vocal behavior of short-finned pilot whales pre, during and post exposure to playbacks of mid frequency active sonar and killer whale calls. 18th Biennial Conference on the biology of Marine Mammals, Quebec City, Quebec, October 2009.
37. **Sayigh, L.**, V. Janik, and R. Wells. 2008. Bottlenose dolphins do not use voice cues to recognize whistles of other dolphins. Spoken presentation at the 2nd International Conference on Acoustic Communication by Animals, Corvallis, Oregon, August 2008.
36. **Sayigh, L.**, R. Wells and V. Janik. 2007. Signature whistle development in bottlenose dolphins. Spoken presentation at the 17th Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa, 28 November – 3 December 2007.
35. Gridley, T., N. Quick, **L. Sayigh**, and V. Janik. 2007. Signature whistle type diversity in captive and wild bottlenose dolphins (*Tursiops truncatus*). 17th Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa, 28 Nov – 3 Dec 2007.

MEETING PRESENTATIONS, cont.

34. Thayer, V., A. Read, K. Rittmaster, K. Urian, D. Waples, N. Bowles, **L. Sayigh**, and T. Cox. 2007. Life in the slow lane: Reproductive parameters and associations of bottlenose dolphins (*Tursiops truncatus*) in the western North Atlantic. 17th Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa, 28 Nov – 3 Dec 2007.
33. **Sayigh, L.**, H.C. Esch, J. Blum, and R. Wells. 2007. Whistles as potential indicators of stress in bottlenose dolphins. Poster presentation at the 21st Conference of the European Cetacean Society, San Sebastian, Spain, April 2007.
32. Esch, H. C., **L. Sayigh**, and R. Wells. 2005. Whistles as potential indicators of stress in bottlenose dolphins. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005.
31. Janik, V. M., **L. Sayigh**, and R. Wells. 2005. Signature whistle shape conveys identity information to bottlenose dolphins. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005.
30. **Sayigh, L.**, V. Janik, and R. Wells. 2005. Do bottlenose dolphins use voice cues to recognize whistles of other individuals? Poster presentation at the 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005.
29. Sloan, P. E., **L. Sayigh**, A. Pabst, R. Young, and F. Scharf. 2005. Residency patterns and regional associations among Atlantic bottlenose dolphins, *Tursiops truncatus*, in the Cape Romain National Wildlife Refuge, South Carolina, USA. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, Dec 2005.
28. Urian, K., W. McLellan, A. Pabst, S. Barco, N. Bowles, R. Mallon-Day, A. Read, K. Rittmaster, G. Rountree, **L. Sayigh**, D. Schofield, T. Speakman, V. Thayer, R. Young, and E. Zolman. 2005. Bring out your dead: Using photo-identification to identify the origin and ranging patterns of stranded bottlenose dolphins. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005.
27. White, C., **L. Sayigh**, and G. Tagliarini. 2005. Autonomous detection of bottlenose dolphin signature whistles. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005.
26. Williams, L., T. J. O'Shea, J. Blum, and **L. Sayigh**. 2005. Individual distinctiveness and stability of Florida manatee vocalizations. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005.
25. **Sayigh, L.**, V. Janik, and R. Wells. 2005. What's in a voice? Cues used by dolphins in individual recognition of signature whistles. Invited spoken presentation at the Acoustical Society of America Meeting, Minneapolis, MN, October 2005.
24. **Sayigh, L.**, V. Janik, and R. Wells. 2005. What's in a voice? Cues used by dolphins in individual recognition of signature whistles. Spoken presentation at the Woods Hole Behavior Society Meeting, Woods Hole, MA, May 2005.
23. Urian K., W. McLellan, A. Pabst, S. Barco, N. Bowles, R. Mallon-Day, A. Read, K. Rittmaster, G. Rountree, **L. Sayigh**, D. Schofield, T. Speakman, V. Thayer, and R. Young. 2005. Identification of stranded bottlenose dolphins in Virginia and North Carolina. Southeast and Mid-Atlantic Marine Mammal Meeting, March 2005.

MEETING PRESENTATIONS, cont.

22. Williams, L., T. J. O'Shea, J. Blum, and **L. Sayigh**. 2005. Individual distinctiveness and long-term comparisons of Florida manatee vocalizations. Southeast and Mid-Atlantic Marine Mammal Meeting, March 2005. ***L. Williams was my graduate student; won 2nd place award for best master student spoken presentation*
21. Morrisette, H. C., **L. Sayigh**, and R. Wells. 2005. Quantifying stereotypy of bottlenose dolphin signature whistles. Southeast and Mid-Atlantic Marine Mammal Meeting, March 2005. ***H. Morrisette (nee Esch) was my graduate student; won award for best master student poster presentation*
20. White, C. E., G. Tagliarini, **L. Sayigh** and S. Narayan. 2004. Automatic computer classification of dolphin signature whistles. Sigma Xi Spring Meeting, University of North Carolina Wilmington, April 2004.
19. Urian, K. A. Read, D. Waples, S. Barco, N. Bowles, R. Mallon-Day, K. Rittmaster, G. Rountree, **L. Sayigh**, D. Schofield, V. Thayer, and R. Young. 2004. Stock identity of bottlenose dolphins off the northern Outer Banks of North Carolina in winter. Southeast and Mid-Atlantic Marine Mammal Meeting, March 2004.
18. **Sayigh, L.S.**, H. C. Morrisette, R. Wells and V. Janik. 2003. Signature whistle of bottlenose dolphins are fact, not fallacy. Spoken presentation at the 40th Annual Conference of the Animal Behavior Society, Boise, Idaho, July 2003.
17. **Sayigh, L.S.**, H. C. Morrisette, R. Wells and V. Janik. 2003. Signature whistle of bottlenose dolphins are fact, not fallacy. Poster presentation at the 15th Biennial Conference on the Biology of Marine Mammals, Greensboro, NC, December 2003.
16. Fleming, K., **L. Sayigh** and K. Urian. Social structure and behavior of bottlenose dolphins in relation to shrimp trawlers in Southport, NC. 2003. 15th Biennial Conference on the Biology of Marine Mammals, Greensboro, NC, December 2003.
15. Williams, L., T. O'Shea and **L. Sayigh**. Individual distinctiveness and long-term comparisons of Florida manatee vocalizations. 2003. 15th Biennial Conference on the Biology of Marine Mammals, Greensboro, NC, December 2003
14. Morrisette, H. C., **L. Sayigh**, and R. Wells. 2003. Quantifying stereotypy of bottlenose dolphin signature whistles. 15th Biennial Conference on the Biology of Marine Mammals, Greensboro, NC, December 2003.
13. Haviland, G., **L. Sayigh**, A. Frankel, C. Powell, A. Bocconcelli and R. Herman. 2002. Noisome noise: Recreational boating traffic and bottlenose dolphins, *Tursiops truncatus*, in the Wilmington, NC Intracoastal Waterway. 2nd Annual Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS), Conway, SC, April 2002. ***G. Haviland was my graduate student; won award for best student spoken presentation*
12. Koster, D., **L. Sayigh**, K. Urian, and A. Read. 2002. Residency and association patterns of bottlenose dolphins in southern and central North Carolina. 2nd Annual Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS), Conway, SC, April 2002.
11. Maher, J., **L. Sayigh**, K. Hoover, and K. Urian. 2002. Presence of bottlenose dolphins, *Tursiops truncatus*, in the Cape Fear River. 2nd Annual Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS), Conway, SC, April 2002.

MEETING PRESENTATIONS, cont.

10. Williams, L., **L. Sayigh**, and R. Wells. 2002. Modifications of signature whistles in adult female bottlenose dolphins. 2nd Annual Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS), Conway, SC, April 2002.
9. Haviland, G., **L. Sayigh**, A. Frankel, C. Powell, A. Bocconcelli, and R. Herman. 2001. Mapping total environmental sound exposure of bottlenose dolphins, *Tursiops truncatus*, in the Wilmington, NC Intracoastal waterway. 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, BC, Canada, November 2001.
8. Hill, M., **L. Sayigh**, and R. Wells. Use of a habituation-dishabituation playback design to study aspects of whistle perception in bottlenose dolphins. 2001. 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, BC, November 2001.
7. Priester, C., **L. Sayigh**, and R. Wells. 2001. Signature whistle production rate of an orphaned, free-ranging bottlenose dolphin calf. 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, BC, Canada, November 2001.
6. **Sayigh, L.**, L. Williams, J. Plant, and R. Wells. 2001. Modifications of signature whistles in adult female bottlenose dolphins. Poster presentation at the 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, BC, Canada, November 2001.
5. Eguchi, T., S. Barco, C. Gubbins, A. Hohn, R. Mallon-Day, K. Rittmaster, **L. Sayigh**, S. Swartz, K. Urian, E. Zolman, D. Goodman. 2001. Estimating capture probability of animals from photo-identification data using Pollock's robust design. 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, BC, Canada, November 2001.
4. **Sayigh, L.S.**, L. Williams, J. Plant and R. Wells. 2001. Variations in patterns of signature whistle development among maternal lineages of free-ranging bottlenose dolphins. Spoken presentation at the 15th Annual Conference of the European Cetacean Society, Rome, Italy, May 2001.
3. **Sayigh, L.** 2000. Dolphin communication: fact and fiction. Invited spoken presentation at the N.C. Regional Chapter of the Acoustical Society of America, Raleigh, NC, April 2000.
2. Koster, D., **L. Sayigh**, K. Urian, A. Read. 2000. Evidence for year-round residency and extended home range by bottlenose dolphins in North Carolina. 8th Annual Atlantic Coastal Dolphin Conference, Wilmington, NC, March 2000.
1. Hohn, A., K. Urian, S. Barco, N. Bowles, M. Caldwell, C. Gubbins, L. Hansen, A. Hohn, R. Mallon Day, T. Murphy, A. Read, K. Rittmaster, G. Rountree, W. Ryan, **L. Sayigh**, D. Scholfield, V. Thayer, and E. Zolman. 2000. The mid-Atlantic bottlenose dolphin photo-ID catalog: a cooperative approach to examine stock structure. 8th Annual Atlantic Coastal Dolphin Conference, Wilmington, NC, March 2000.

PROFESSIONAL SERVICE

- Organized an international symposium on marine mammal bioacoustics, held in March 2015 (<http://www.whalingmuseum.org/programs/watkins-symposium-2015>)
- Frequent ad hoc reviewer (see list below) of manuscripts, proposals and abstracts
- Judge for student presentations at numerous professional meetings
- Invited participant at Duke University's Stimulus Design Workshop: 2012
- National Science Foundation Scientific Review Panel for Animal Behavior: 2003, 2007, 2015
- Chaired sessions at the 18th and 19th Biennial Conferences on the Biology of Marine Mammals in Quebec City (2009) and Tampa, FL (2011)

INVITED PRESENTATIONS (50+ since 1995; shown are selected talks since 2000)

- 2014 New Bedford Whaling Museum, New Bedford, MA: “Whale science: a local acoustic legacy”
- 2014 Robbins Library, Arlington MA, “Dolphin communication”
- 2014 Tokai University, Japan, symposium “Dolphin acoustics, behavior and cognition”
- 2013 Acoustical Society of America, “Broadening Applications of Tags to Study Bioacoustics”
- 2013 NIMBioS investigative workshop on analysing vocal sequences in animals, Knoxville, Tennessee
- 2013 Lecture to WHOI Ocean Science Journalism Fellows
- 2013 Multi-Study Ocean Acoustics Human Effects Analysis workshop on pilot whales
- 2012 Conference on Sensory Biology of Aquatic Mammals, Rostock University, Germany
- 2012 Lecture to employees of British Petroleum, WHOI
- 2012 Lecture to WHOI Ocean Science Journalism fellows
- 2012 Lecture to Columbia University Journalism students, WHOI
- 2012 Marine Bioacoustics class, Duke University
- 2012 Marine Mammal class, Duke University (via video link)
- 2012 Children’s School of Science, Woods Hole, MA, Marine Mammals Class
- 2012 Cambridge Science Festival, Cambridge MA; presentation on cetacean communication
- 2011 Duke University Marine Mammal class
- 2011 Massachusetts Maritime Academy Oceanography class
- 2011 Duke University Marine Mammal class (via video link)
- 2010 INCORE Meeting on Referential Communication and Cooperation, Berlin, Germany
- 2010 WHOI Sea Grant and Academic Programs professional development workshop for teachers
- 2010 Children’s School of Science, Woods Hole, MA, Marine Mammals class
- 2010 Falmouth 4th graders, Redfield Auditorium
- 2009 Cape Cod National Seashore, Provincetown
- 2009 Aquarium of Genoa, Italy
- 2008 University of Massachusetts, Dartmouth, Marine Mammal classes
- 2008 WHOI Science Made Public series
- 2008 University of St. Andrews, workshop on marine mammal acoustics
- 2005 Acoustical Society of America, symposium on “Cognition and the Behavior of Animals”
- 2004 Duke University Marine Laboratory (invited seminar)
- 2004 Cape Fear Sierra Club
- 2003 UNCW Biology Departmental Seminar
- 2003 UNCW College Day
- 2003 College of Charleston
- 2003 University of Nevada, Reno
- 2003 Duke University Marine Laboratory, marine mammal course
- 2002 University of Chicago Lab School
- 2002 North Carolina Aquarium at Fort Fisher
- 2001 Duke University Marine Laboratory, marine mammal course
- 2001 Institute for Environmental Studies, University of Pennsylvania, Philadelphia, PA
- 2001 Onslow County Public Library, Jacksonville, NC
- 2000 Bermuda Biological Station for Research
- 2000 Duke University Marine Laboratory, marine mammal course
- 2000 Ocean Isle Museum of Coastal Carolina

REVIEWS

Advances in the Study of Behavior; Animal Behaviour; Animal Cognition; Aquatic Mammals; Behavioral Ecology and Sociobiology; Behaviour; Behavioural Ecology; Bioacoustics; Biology Letters; Biological Reviews; Biotropica; Canadian Journal of Zoology; Center for Field Research; Current Biology; Ethology; Evolutionary Psychology, Functional Ecology; ICES Journal of Marine Science; Joint Industry Partners; Journal of the Acoustical Society of America; Journal of Comparative Psychology; Journal of the Marine Biological Association; Marine Ecology; Marine Ecology Progress Series; Marine Mammal Science; National Geographic Society; National Science Foundation; Naturwissenschaften; PLoS ONE; Proceedings of the Royal Society; Science; Trends in Cognitive Sciences; Trends in Ecology and Evolution; Zoo Biology (*also a variety of books, chapters, and abstracts*)

GRANTS RECEIVED

PI or co-PI on numerous research grants, with 11 current or pending

MEMBERSHIP IN SOCIETIES

Acoustical Society of America, Animal Behavior Society, Society for Marine Mammalogy, Phi Beta Kappa

MEDIA COVERAGE

I am frequently contacted by the press to comment on issues pertaining to dolphins. I have been interviewed by a variety of news organizations, including Reuters, New Scientist, Discovery Channel, CBS news, Newsweek, CNN, BBC radio, the Boston Globe, National Public Radio's Science Friday, Canadian Public Radio Quirks and Quarks, the Economist, BBC Wildlife, the Washington Post, the Wilmington Morning Star, Southern Living, and an educational series produced by Scholastic, Inc. My work has also been featured on several television programs (including NOVA).