**MICHAEL MOORE**

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**EXPERIENCE**

1991 to present **Senior Scientist** (2016 to present) Senior Research Specialist (2006 to 2016), **Director** Marine Mammal Center (2011 to present), Research Specialist (1995 to 2006), Visiting Investigator (1993 to 1995), Postdoctoral Investigator, (1991 to 1993): Biology Department, Woods Hole Oceanographic Institution.

1998 to present **Program Director** (1998 to 2000), **Veterinarian** (2001 to 2005), Cape Cod Stranding Network. Now International Fund for Animal Welfare, Marine Mammal Rescue Research (2005 to present).

1997 to 2006 Lecturer, Boston University Marine Program.

1985 to 1986 **Veterinarian**, Laboratory for Marine Animal Health (Marine Biological Laboratory), Dept. Avian & Aquatic Animal Medicine, N.Y.S. College Veterinary Medicine.

1983 to 1985 **Associate Veterinarian**, 1983 to 1985, Bulger Animal Hospital, N. Andover, MA Veterinarian.

1983 International Whaling Commission, Hvalfjordur, Iceland.

1979 to 1980 **Assistant Scientist**, Ocean Research and Education Society (R/V Regina Maris).

1979 to 1982 Field Research Assistant, Zoology Department, Cambridge University, England.

**DEGREES**

1986 to 1991 PhD WHOI/MIT Joint Program in Biological Oceanography.

1979 to 1983 Vet MB Department of Clinical Veterinary Medicine, University of Cambridge, England.

1975 to 1979 B.A. Pembroke College, University of Cambridge, England.

**ACADEMIC AND PROFESSIONAL HONORS**

1. Outstanding Service Award, Cape Cod Stranding Network.

1983 Sismey Prize in Medicine & Surgery.

1981 Glaxovet Parasitology Prize.

1977 University of Cambridge, Foundation Scholar.

1976 Foundress Memorial Prize, Pembroke College, University of Cambridge.

1975 Exhibition - Pembroke College, University of Cambridge.

**LICENSURE**

 National: Certified A.V.M.A. Educational Commission for Foreign Veterinary Graduates.

 State Veterinary License: Massachusetts.

 DEA and Comm. Mass. Controlled Substance Registration.

 Northeast Region, National Marine Fisheries Service Authorization to maintain tissue parts from stranded marine mammals.

**EDUCATION**

 **GRADUATE STUDENTS**

 ADVISED

 WHOI/ MIT Joint PhD Program in Biological Oceanography

 Julie van der Hoop 2011 to 2016 - PhD

 Regina Campbell-Malone – 2001 to 2007 - PhD

 Boston University Marine Program

 Nadine Lysiak 2003 to 2008 – PhD

 Carolyn Miller 1998 to 2005 - PhD

 Melinda Sweeny 2000 to 2003 – MA

 Stefani Valentini 1997 to 1998 – MA

 University of Massachusetts Dartmouth

 Michael Morss 1996 to 1998 – MA

 College of the Atlantic

 Colby Moore – MA 2007 to 2009

 Royal Veterinary College

 Ashley Barratclough – MS 2013

 European University Institute of Sea, Brest France

 Perrine LeFaou – MS 2007 to 2008

 COMMITTEE

 WHOI/ MIT Joint PhD Program in Biological Oceanography

 Nicholas MacFarlane 2010 to 2015 –PhD

 Max Kaplan 2014 to Present PhD

 University of Connecticut

 Andrea Bogomolni to 2009 to 2014 – PhD

 Duke University Marine Lab

 Rachel Cassoff 2013 to present – PhD

 U Maine Orono

 Becky Woodward 2005 to 2009 – PhD

 Jeremy Winn 2009 to 2011 – MA

 DEFENSE CHAIR (WHOI/ MIT)

 Susan Parks 2003 PhD

 Maya Yamato 2013 PhD

 **POST DOCTORAL SCHOLAR**

Becky Woodward 2010 to 2012

 **POST DOCTORAL INVESTIGATORS**

Julie van der Hoop 2016 to 2017

Yara Bernaldo de Quiros 2013 to 2015

 Alex Shorter 2011 to 2013

 **GUEST STUDENTS**

Duke University Marine Lab

 Samantha Emmert – 2014 Summer Fellow Undergraduate

 Jessica Richardson – 2011 to 2012 Duke/ WHOI Fellow

U Pennsylvania

Rachel Cassoff 2010 DVM candidate

 College of Charleston

 Carmen Wiegandt 2013 Undergraduate

Tufts University School of Vet Med

 Melissa Joblon 2014 – DVM candidate

 Stephanie Levesque 2014 – MA

 Meghan Hartwick 2011 to 2012 - MA

UCLA

 Eden Maloney – 2010 Undergraduate

Cornell University

 Karen Tracy – 2010 Undergraduate

University of Tolima, Colombia

 Carolina Gutierrez – 2007 Summer Fellow

Smith College

 Caroline Kerouack – 2012 Undergraduate

 **COURSES TAUGHT**

 WHOI/MIT Joint PhD Program in Biological Oceanography

 Fall 1999 – Topics in Behavior - Marine Mammal Anatomy

 Spring 2003 – Topics in Behavior – Comparative Anatomy of Air-Breathing Marine Vertebrates

 Spring 2004 – Marine Mammal Toxicology

 Spring 2010 - Gast JP topics course - Ocean and Human Health

 Boston University Marine Program

 Oct 1997 - Marine Mammals – Anatomy section

 Oct 1998 - Marine Mammals – Anatomy section

 Feb 1999 – Marine Mammal Anatomy

 U Penn/ Cornell Aquavet Program 1989 to present

 U Chicago – Whales course 2015

**MAJOR CRUISES**

 Winter flounder survey for Massachusetts Water Resources Authority – annual April cruise, 1990 to present (**Chief** **Scientist**)

 Large whale survey and biopsy – RV Abel J. Falkland Islands to South Georgia 4 weeks Jan Feb 1997 (**Chief Scientist**)

 Right whale body condition surveys – Bay of Fundy – August 1995 to 2002 (**Chief Scientist**)

 North Atlantic historic right whaling habitat survey 15 months, 18,000 miles, 2001/2002 (Skipper)

 Survey of Basque whaling sites in Labrador Straits July 2004 and Lower N Shore Quebec July 2005 (Skipper)

Field studies, Dolphin Quest, Honolulu 2014

Field studies, Chicago Zoological Society dolphin health assessments, Sarasota, FL 2011 to present

 Field studies, UBC open water facility, Vancouver, BC (**PI**) 2012, 2013

 Acoustic behavioral studies Bay of Fundy August 2004 (Skipper)

 Sperm whale physiology – RV Alucia, Kaikoura New Zealand, March 2013 (**Chief scientist**).

 Blue whale photogrammetry, Gulf of Corcovado, Chile RV Centinella, Feb/ Mar 2015 (**PI**)

 Humpback whale photogrammetry and blow sampling – Stelwagen Bank – July 2015 (**PI**)

 Right whale photogrammetry and blow sampling – East of Amelia Island, FL Feb 2016 (**PI**)

**NECROPSIES UNDERTAKEN**

 39 right whales, 12 humpback whales, 6 minke whales, 1 fin whale, 1 blue whale, 1 sperm whale, and numerous smaller species. With substantial local student involvement (FL to Quebec, and Argentina).

**SOCIETY MEMBERSHIP**

 Society for Marine Mammalogy

 American Veterinary Medical Association

**COMMITTEE/ PANEL/ TASKFORCE MEMBERSHIP**

 **WHOI**

 Marine Mammal Center **Director** since 2011

 Staff Committee 2006 to 2008

 Sea Water Users Committee 1988 to present, **Chair** since 2011.

 Information Systems Council 1995 to 1997

 Institutional Animal Care and Use Committee Veterinarian 1987 to present

 **EXTERNAL**

 NOAA Working Group Unusual Marine Mammal Mortality Events

 2012 to Present, **Chair** since 2015

 NOAA Atlantic Scientific Review Group 2012 to present

 NOAA Right whale/fishery gear interaction workshops 2008 to 2014

 MWRA Outfall Monitoring Science Assessment Panel – Periodically in past decade

 South Georgia Heritage Trust Trustee 2005 to 2015

 National Institute of Environmental Health Sciences Site Review Team 6/98, 6/03

 New Bedford Whaling Museum – Trustee 2005 to 2011, 2015 to present.

 Right Whale Consortium – Board Member 1999 to present,

 **Vice President** 2002 to 2004, **President** 2004 to 2007

 Barnstable County MMR Scientific Advisory Panel 1996 to 1997

 Various regional panel discussions on MWRA issues 1993 to 1995

 Sippican Lands Trust: Trustee 1993 to 2003

 Mass Water Resources Authority Outfall Monitoring Taskforce 1992 to 1993

 Annual presentations to MWRA Science Review meetings 1992 to present.

 Island Foundation Inc: Corporator 1984 to present. **President** 2003 to 2007

**JOURNAL REVIEW**

 **EDITOR**

 Diseases of Aquatic Organisms (Aquatic Mammals **Subject Editor** - 2006 to 2015)

 Endangered Species Research **Special Issue Editor** 2016

 **REVIEWER**

 Marine Pollution Bulletin, ICES Journal of Marine Science, Marine Environmental Research, Aquatic Toxicology, Science, Nature, Marine Mammal Science, J Mammalogy, J Cetacean Research and Management, Endangered Species Research, Aquatic Mammals, J Wildlife Disease.

**WORKSHOPS and PRESENTATIONS (Recent)**

**INVITED PRESENTATIONS**

Biennial Marine Mammal Society Meeting San Francisco Unmanned Aerial Systems workshop -I**nvited** presenter 2015

U Mass Dartmouth Art Department, **Invited** Lecture Feb 2015 Woods Hole Film Festival, Aug 2015 **Invited** Panel discussion of Chasing Bayla (Boston Globe)

Global Whale Entanglement Response Network Workshop, Provincetown, MA **invited** presenter 2015

Marion Natural History Society, **Invited** Lecture, Feb 2015 Feb 2016

NOAA Serious Injury Workshop, Seattle, **Invited** participant 2014

Taught a day long workshop by **invitation** for International Whaling Commission (IWC) on large whale necropsy technique in La Paz Mexico 2013 and then in St Maarten in 2014

Biennial Marine Mammal Society Meeting Dunedin, NZ, Right whale workshop **invited -** Dec 2013

Marine mammal forensics **invited** lecture at Tufts Vet School. 2013

IWC Large Whale Euthanasia Workshop in London. **Invited participant** 2013

Stelwagen Bank National Marine Sanctuary Advisory Council - Science Alternate 2013

**Invited** seminar, Sea Mammals Research Unit, St Andrew's University, Scotland 2013

WSPA Marine Debris Workshop - Miami FL **Invited participant 2013**

IWC Marine Debris Workshop, **Invited participant**, Hosted at WHOI 2013

Population Consequences of Disturbance Workshop - New England Aquarium **Invited** participant 2013

WHOI Summer Student Fellow Orientation on IACUC, Annually 2010 to present

Marine mammal forensics **invited** lecture Aquavet 2 at WHOI 2013 to present

**Invited** talk on Marine Mammal Forensics to IWC Scientific Committee in Jeju Korea. 2013

**Convened and chaired** workshop in Anchorage, Alaska. Implications of Arctic industrial growth and strategies to mitigate future vessel and fishing gear impacts

NOAA CINAR workshop - Defining criteria for diagnosing human interaction in marine mammals. **Convened, chaired** **and lead** resulting monograph publication. Woods Hole. 2012

**Invited** Lecture on right whale conservation via Skype to Huntsman Aquarium in St Andrews NB, Canada 2012

NOAA Marine Mammal Breath Analysis Workshop SWFSC La Jolla, CA **Invited** participant 2012

**Invited** Presentation at NOAA Large whale euthanasia workshop in Virginia Beach. 2011

**Invited** presentation at workshop on large whale disentanglement – Provincetown 2011

**Invited** seminar at UBC, Vancouver: 'Large Whale Forensics: A Management Tool' 2011

NEAq Reverse Engineering Workshop, **Invited Participant**, hosted at WHOI. 2011

**Invited speaker** World Society Protection of Animals Conference in UK 2011

IWC Southern right whale die off workshop - Puerto Madryn, Argentina **Invited paper** 2010

IWC Large Whale Entanglement Workshop, Maui, HI **Invited paper** 2010

National Stranding Conference, Shepherdstown, WV April 5-9 2010 **Invited paper** Forensics Workshop

Gas Kinetics Workshop WHOI **Invited** participant 2010

**Convened and chaired** 3 workshops on large whale medical intervention at sea – Woods Hole 2000, 2002, 2007.

**WORKSHOPS AND MEETING PRESENTATIONS**

Biennial Marine Mammal Society Meeting San Francisco 2015

N Atlantic Seal Research Consortium, Salem State U, participant, May 2015

NOAA Unmanned Aerial Systems Workshop, Pittsburgh, PA as part of Wildlife Society Annual Meeting. Participant, 2014

Biennial Marine Mammal Society Meeting Dunedin, NZ, spoken presentation, Dec 2013

Right Whale Consortium, New Bedford, Nov 2013

Right Whale Consortium New Bedford 2011

Workshop on the impact of gillnets on marine mammals – WHOI 2010

NOAA Gear Innovations Workshop - New Bedford 2010

Right Whale Consortium- New Bedford 2010

NOAA National Working Group on Unusual Marine Mammal Mortalities 2011

PCAD workshop, Boston 2010

Right Whale Consortium New Bedford 2010

Right Whale Consortium, New Bedford MA 2009 Presentation

Marine Mammal Society Biennial Meeting, Quebec City, Two talks 2009

Ocean Human Health Gordon Conference, Biddeford ME Talk 2010

**Publications (117 total) (\* denotes student, postdoc or technician from my laboratory, # denotes equal contributions). Since 2008 my contribution has been annotated for all manuscripts where I am not the sole first author.**

**2016**

1. Shorter, K.A., Shao, Y., Ojeda, L., Barton, K, Rocho-Levine, J, van der Hoop, J, and Moore, M. A day in the life of a dolphin: Using bio-logging tags for improved animal health and well-being. (In press) Marine Mammal Science.
2. Asmutis-Silvia, R., S. Barco, T. Cole, A. Henry, A. Johnson, A. Knowlton, S. Landry, D. Mattila, M. **Moore**, J. Robbins, J. van der Hoop. Rebuttal to published article "A review of ghost gear entanglement amongst marine mammals, reptiles and elasmobranchs" by M. Stelfox, J. Hudgins, and M. Sweet. Marine Pollution Bulletin.
3. van der Hoop, J.M., P. Corkeron, A.G. Henry, A.R. Knowlton and M.J. **Moore**. Predicting lethal entanglements as a consequence of drag from fishing gear. Marine Pollution Bulletin. 10.1016/j.marpolbul.2016.11.060
4. van der Hoop, J.M., P. Corkeron, M.J. **Moore**. Energetic impacts of entanglement in North Atlantic right whales (*Eubalaena glacialis*). Ecology and Evolution. DOI: 10.1002/ece3.2615
5. van der Hoop, J.M., D.P. Nowacek, M.J. **Moore**, M. Triantafyllou. Swimming kinematics and efficiency of entangled North Atlantic right whales. Endangered Species Research. doi: 10.3354/esr00781
6. Wiley, D., Mayo, C, Maloney, E, and **Moore** M. (In press). Vessel Strike Mitigation Lessons from Direct Observations Involving Two Collisions between Non-Commercial Vessels and North Atlantic Right Whales (*Eubalaena glacialis*). Marine Mammal Science
7. Durban, J, **Moore**, M, Chiang, Ghickmott, L, Bocconcelli, A., Howes, G., Bahamonde, P.A., Perryman, W.L., LeRoi, D.J., 2016. Photogrammetry of blue whales with an unmanned hexacopter. Marine Mammal Science DOI: 10.1111/mms.12328
8. Fahlman, A., van der Hoop, J., Moore, M.J., Levine, G., Rocho-Levine, J., Brodsky, M..In Press. Estimating energetics in cetaceans from 1 respiratory frequency: why we need to understand physiology. Open Biology. *Contribution: assisted with manuscript.*
9. Hunt, K., N. Lysiak, M. **Moore** and R. Rolland. In Press. Longitudinal progesterone profiles in baleen from female North Atlantic right whales (*Eubalaena glacialis*) match known calving history. Conservation Physiology. *Contribution: collected a major time series of right whale baleen for this study. Assisted with data interpretation and manuscript.*
10. Fahlman, A., M. **Moore#**, A. Trites, D.Rosen, M. Haulena, N. Waller, T. Neale, Y Ming, S. Thom (In Press). Dive, food, and exercise effects on blood microparticles in Steller sea lions (*Eumetopias jubatus*): exploring a biomarker for decompression sickness. American Journal of Physiology. *Contribution: secured ONR support, PI, planned experiment, undertook fieldwork, contributed to data analysis and manuscript.*
11. Sharp, S. M., C. T. Harry, J. M. Hoppe, K. M. Moore, M. E. Niemeyer, I. Robinson, K. S. Rose, W. B. Sharp, S. Landry, J. Richardson and **Moore**, M. J. (2016). "A comparison of postrelease survival parameters between single and mass stranded delphinids from Cape Cod, Massachusetts, USA." Marine Mammal Science. 32: 161–180. doi: 10.1111/mms.12255 *Contribution: established the stranding network and developed the clinical protocols that enabled the study, made the clinical triage decisions, assisted with manuscript, advised the lead author during this her DVM student thesis.*

**2015**

1. van Der Hoop\*, J. M., A. S. M. Vanderlaan, T. V. N. Cole, A. G. Henry, L. Hall, B. Mase-Guthrie, T. Wimmer and M. J. **Moore**. 2015. Vessel Strikes to Large Whales Before and After the 2008 Ship Strike Rule. Conservation Letters 8:24-32. *Contribution: conceived of the study, PI of project, advised the student lead author, assisted with manuscript.*
2. van der *Contribution: concieved of the study, PI of project, assisted with field work, advised the PhD student lead author, assisted with manuscript.*

**2014**

1. Joblon\*, M. J., M. A. Pokras, B. Morse, C. T. Harry, K. S. Rose, S. M. Sharp, M. E. Niemeyer, K. M. Patchett, W. B. Sharp, and M. J. **Moore**. 2014. Body Condition Scoring System for Delphinids Based on Short-beaked Common Dolphins (Delphinus delphis). Journal of Marine Animals and Their Ecology **7**:5-13. *Contribution: advised the DVM student, concieved of the project, gave veterinary oversight to the case material, assisted with the manuscript.*
2. van Der Hoop\*, J. M., A. Fahlman, T. Hurst, J. Rocho-Levine, K. A. Shorter, V. Petrov and M. J. **Moore**. 2014. Bottlenose dolphins modify behavior to reduce metabolic effect of tag attachment. Journal of Experimental Biology 217:4229-4236. *Contribution: PI of project, advised PhD student arranged for experimental opportunity, assisted with field work, contributed to manuscript.*
3. van Der Hoop\*, J., M. **Moore**#, A. Fahlman, A. Bocconcelli, C. George, K. Jackson, C. Miller, D. Morin, T. Pitchford, T. Rowles, J. Smith and B. Zoodsma. 2014. Behavioral impacts of disentanglement of a right whale under sedation and the energetic cost of entanglement. Marine Mammal Science 30:282-307. *Contribution: advised student, developed sedation system, PI of project, undertook field work and tag deployment, assisted with manuscript.*
4. Shorter\*, K. A., M. M. Murray, M. Johnson, M. Moore and L. E. Howle. 2014. Drag of suction cup tags on swimming animals: Modeling and measurement. Marine Mammal Science 30:726-746. *Contribution: PI of project, assisted with project design and field work, assisted with manuscript.*
5. Sharp, S. M., J. S. Knoll, M. J. Moore, K. M. Moore, C. T. Harry, J. M. Hoppe, M. E. Niemeyer, I. Robinson, K. S. Rose, W. B. Sharp and D. Rotstein. 2014. Hematological, biochemical, and morphological parameters as prognostic indicators for stranded common dolphins (Delphinus delphis) from Cape Cod, Massachusetts, U.S.A. Marine Mammal Science 30:864-887. *Contribution: established the stranding network and developed the clinical protocols that enabled the study, made the clinical triage decisions, assisted with manuscript, advised the lead author during this her DVM student internship.*
6. Nousek-Mcgregor, A. E., C. A. Miller, M. J. **Moore** and D. P. Nowacek. 2014. Effects of body condition on buoyancy in endangered North Atlantic right whales. Physiological and Biochemical Zoology 87:160-171. *Contribution: generated some of the data upon which the study was made, assisted with manuscript.*
7. **Moore**, M. J. 2014. How we all kill whales. Ices Journal of Marine Science 71:760-763.
8. Moore, C. D., A. Fahlman, M. J. **Moore**, D. Willoughby, K. Robbins and S. J. Trumble. 2014. Significance of Muscle Fiber Type in Biopsied Elephant Seals. Integrative and Comparative Biology 54:E144. *Contribution: assisted with laboratory experiments and manuscript preparation*
9. Moore, C. D., D. E. Crocker, A. Fahlman, M. J. Moore, D. S. Willoughby, K. A. Robbins, S. B. Kanatous and S. J. Trumble. 2014. Ontogenetic changes in skeletal muscle fiber type, fiber diameter and myoglobin concentration in the Northern elephant seal (*Mirounga angustirostris*). Front Physiol 5. *Contribution: assisted with laboratory experiments and manuscript preparation*
10. Moore, C., M. **Moore**, S. Trumble, M. Niemeyer, B. Lentell, W. Mclellan, A. Costidis and A. Fahlman. 2014. A comparative analysis of marine mammal tracheas. Journal of Experimental Biology 217:1154-1166. *Contribution: assisted with laboratory experiments and manuscript preparation*
11. Harms, C. A., W. A. Mclellan, M. J. **Moore**, S. G. Barco, E. O. Clarke, Iii, V. G. Thayer and T. K. Rowles. 2014. Low-residue euthanasia of stranded Mysticetes. J Wildl Dis 50:63-73. *Contribution: helped develop study concept, and methods, assist with manuscript.*
12. Garcia-Parraga, D., J. L. Crespo-Picazo, Y. Bernaldo De Quiros, V. Cervera, L. Marti-Bonmati, J. Diaz-Delgado, M. Arbelo, M. J. **Moore**, P. D. Jepson and A. Fernandez. 2014. Decompression sickness ('the bends') in sea turtles. Diseases of Aquatic Organisms 111:191-205. *Contribution: contributed earlier observations that lead in part to this study, assisted with data interpretation, and manuscript layout, content and editing.*
13. Barratclough\*, A., P. D. Jepson, P. K. Hamilton, C. A. Miller, K. Wilson and M. J. **Moore**. 2014. How much does a swimming, underweight, entangled right whale (Eubalaena glacialis) weigh? Calculating the weight at sea, to facilitate accurate dosing of sedatives to enable disentanglement. Marine Mammal Science 30:1589-1599. *Contribution: conceived of the study, advised the student, designed the analysis, and assisted with manuscript.*
14. Apprill, A., J. Robbins, A. M. Eren, A. A. Pack, J. Reveillaud, D. Mattila, M. **Moore**, M. Niemeyer, K. M. T. Moore and T. J. Mincer. 2014. Humpback whale populations share a core skin bacterial community: Towards a health index for marine mammals? PLoS ONE 9. *Contribution: assisted with sample collection and manuscript.*

**2013**

1. van der Hoop\*, J. M., M. J. **Moore**, S. G. Barco, T. V. N. Cole, P.-Y. Daoust, A. G. Henry, D. F. Mcalpine, W. A. Mclellan, T. Wimmer and A. R. Solow. 2013. Assessment of management to mitigate anthropogenic effects on large whales. Conservation Biology 27:121-133. *Contribution: conceived of the study, generated good portions of the data over many years of beach necropsy, assisted with analysis and manuscript.*
2. Taylor, J. K. D., J. W. Mandelman, W. A. Mclellan, M. J. **Moore**, G. B. Skomal, D. S. Rotstein and S. D. Kraus. 2013. Shark predation on North Atlantic right whales (*Eubalaena glacialis*) in the southeastern United States calving ground. Marine Mammal Science 29:204-212. *Contribution: contributed necropsy cases to the study and assisted with manuscript.*
3. **Moore**, M. J., J. Van Der Hoop, S. G. Barco, A. M. Costidis, F. M. Gulland, P. D. Jepson, K. T. Moore, S. Raverty and W. A. Mclellan. 2013. Criteria and case definitions for serious injury and death of pinnipeds and cetaceans caused by anthropogenic trauma. Diseases of Aquatic Organisms 103:229-264. *Contribution: PI of project, chaired the workshop, edited the contributions to this monograph and wrote two sections and the introduction.*
4. **Moore**, M. J. 2013. Welfare of whales by-caught in fishing gear or struck by vessels. Animal Welfare 22:117-121.
5. **Moore**, M., R. Andrews, T. Austin, J. Bailey, A. Costidis, C. George, K. Jackson, T. Pitchford, S. Landry, A. Ligon, W. Mclellan, D. Morin, J. Smith, D. Rotstein, T. Rowles, C. Slay and M. Walsh. 2013. Rope trauma, sedation, disentanglement, and monitoring-tag associated lesions in a terminally entangled North Atlantic right whale (*Eubalaena glacialis*). Marine Mammal Science 29:E98-E113. *Contribution: project PI, developed and delivered sedation system, undertook necropsy, analyzed data, wrote manuscript.*
6. Moore, C. D., M. **Moore**, A. Fahlman and S. Trumble. 2013. Significance of Type IIb Muscle Fibers in Diving Mammals. Faseb Journal 27. *Contribution: assisted with sample collection and manuscript.*
7. Hunt, K. E., M. J. Moore, R. M. Rolland, N. M. Kellar, A. J. Hall, J. Kershaw, S. A. Raverty, C. E. Davis, L. C. Yeates, D. A. Fauquier, T. K. Rowles and S. D. Kraus. 2013. Overcoming the challenges of studying conservation physiology in large whales: a review of available methods. Conservation Physiology 1. *Contribution: contributed text to this review.*
8. De Quirós\*, Y. B., J. S. Seewald, S. P. Sylva, B. Greer, M. Niemeyer, A. L. Bogomolni and M. J. **Moore**. 2013. Compositional discrimination of decompression and decomposition gas bubbles in bycaught seals and dolphins. PLoS ONE 8. E83994 *Contribution: PI, post doc advisor, generated basis for study, collected case material, participated in case studies, assisted with manuscript.*

**2012**

1. Hooker, S. K., T. L. Metcalfe, C. D. Metcalfe, C. M. Angell, J. Y. Wilson, M. J. **Moore** and H. Whitehead. 2008. Changes in persistent contaminant concentration and CYP1A1 protein expression in biopsy samples from northern bottlenose whales, *Hyperoodon ampullatus*, following the onset of nearby oil and gas development. Environmental Pollution 202:205-216. *Contribution: consulted on study design, assisted with manuscript.*
2. Vacas-Jacques, P., M. Williams, J. Jimenez-Lozano, A. Fahlman, M. Moore, P. Tyack, W. Zapol, R. Anderson and W. Franco. 2012. Development and validation of a physiological tag for monitoring oxygen saturation in muscle of free-diving whales. Lasers in Surgery and Medicine 44:30-31. *Contribution: CoPI on study, consulted on study design, assisted with manuscript.*
3. Richardson\*, J., A. G. Wood, A. Neil, D. Nowacek and M. **Moore**. 2012. Changes in distribution, relative abundance, and species composition of large whales around South Georgia from opportunistic sightings: 1992 to 2011. Endangered Species Research 19:149-156. *Contribution: conceived of study, designed analysis, and assisted with manuscript, advised WHOI-Duke student.*
4. Reeves, R., C. Rosa, J. C. George, G. Sheffield and M. Moore. 2012. Implications of Arctic industrial growth and strategies to mitigate future vessel and fishing gear impacts on bowhead whales. Marine Policy 36:454-462. *Contribution: PI of project, convened and chaired workshop and assisted with resulting manuscript.*
5. **Moore**, M. J. and J. M. van Der Hoop\*. 2012. The painful side of trap and fixed net fisheries: Chronic entanglement of large whales. Journal of Marine Biology 2012:Article ID 230653.
6. Miller\*, C. A., P. B. Best, W. L. Perryman, M. F. Baumgartner and M. J. **Moore**. 2012. Body shape changes associated with reproductive status, nutritive condition and growth in right whales *Eubalaena glacialis* and *E. australis*. Marine Ecology Progress Series 459:135-156. *Contribution: PI of project, advised student, assisted with study design, field work, data analysis and manuscript.*
7. Fortune, S. M. E., A. W. Trites, W. L. Perryman, M. J. **Moore**, H. M. Pettis and M. S. Lynn. 2012. Growth and rapid early development of North Atlantic right whales (*Eubalaena glacialis*). Journal of Mammalogy 93:1342-1354. *Contribution: collected data, assisted with manuscript.*
8. Dennison, S., A. Fahlman and M. **Moore**. 2012. The use of diagnostic imaging for identifying abnormal gas accumulations in cetaceans and pinnipeds. Front Physiol 3. *Contribution: PI of project, assisted with manuscript.*
9. Dennison, S., M. J. **Moore**#, A. Fahlman, K. Moore, S. Sharp, C. T. Harry, J. Hoppe, M. Niemeyer, B. Lentell and R. S. Wells. 2012. Bubbles in live-stranded dolphins. Proceedings of the Royal Society B: Biological Sciences. DOI: 10.1098/rspb.2011.1754 *Contribution: PI of project,* *assisted with data collection, analysis and manuscript..*

**2011**

1. Werner, R., J. Forcada, M. Bertellotti, E. A. Crespo, S. Dans, Y. Degrati, A. Fazio, M. F. Grandi, R. Loizaga, M. Coscarello, L. Bossio, A. Carribero, N. Geremias, M. S. Lindner, E. Romina, C. L. Rosas, M. Sironi, D. Taboada, F. Guiland, R. R. Reeves, K. Groch, S. Krapovickas, D. Conchillo, A. Chirife, V. Rowntree, P. O. Thomas, R. L. Brownell, T. Rowles, G. Harris, D. Mcaloose, M. Uhart, A. Vila, H. Rosenbaum, M. **Moore**, P. Jepson and K. Acevedo-Whitehouse. 2011. Report of the southern right whale die-off workshop. Journal of Cetacean Research and Management 12:367-398. *Contribution: attended workshop, assisted with report preparation and editing.*
2. **Moore**, M. J., T. Hammar, J. Arruda, S. Cramer, S. Dennison, E. Montie and A. Fahlman. 2011. Hyperbaric computed tomographic measurement of lung compression in seals and dolphins. Journal of Experimental Biology 214:2390-2397. *Contribution: PI of project, designed study, created experimental system, undertook data collection, drafted manuscript.*
3. Miller\*, C. A., D. Reeb, P. B. Best, A. R. Knowlton, M. W. Brown and M. J. **Moore**. 2011. Blubber thickness in right whales *Eubalaena glacialis* and *Eubalaena australis* related with reproduction, life history status and prey abundance. Marine Ecology Progress Series 438:267-283. *Contribution: PI of project, advised student, conceived of study, developed method, lead cruises to collect data, assisted with analysis and manuscript.*
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