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EDUCATION

University of New Hampshire - B.S. Marine and Freshwater Biology, May 2003; GPA – 3.95

University of New Hampshire - M.S. Zoology, December 2005; GPA – 4.00
Thesis Title: *Using bomb radiocarbon analyses to validate age and growth estimates for the tiger shark, Galeocerdo cuvier, in the western North Atlantic*

University of Massachusetts Dartmouth, School for Marine Science and Technology - PhD Marine Science and Management, January 2013; GPA – 3.98
Dissertation Title: *Spatial ecology and capture physiology of juvenile sand tiger sharks (Carcharias taurus) in the western North Atlantic*

PROFESSIONAL AND RESEARCH EXPERIENCE

New England Aquarium; Anderson Cabot Center for Ocean Life – Associate Research Scientist (September 2015–Present)

University of Massachusetts Dartmouth School for Marine Science and Technology – Assistant Research Technician (February 2015–August 2015)

Zeptomatrix Corporation, Franklin, Massachusetts - Research Technician (January 2008–Present)

A.I.S. Inc., New Bedford, MA - Fisheries Technician (February 2014–November 2014)

Massachusetts Division of Marine Fisheries (independent contractor) - Striped Bass Telemetry Data Analyst (January 2013–January 2014); Research Assistant (June 2012/2014–October 2012/2014)

University of New Hampshire, Durham, NH - Research Associate, Animal Science Department (January 2005–August 2008)

University of Massachusetts Amherst - Research Technician (June 2011–December 2011)

PEER REVIEWED PUBLICATIONS

Ayer, M.H., C. Benton, W. King V, **J. Kneebone**, S. Elzey, M. Toran, K. Grange and D.L. Berlinsky. 2005. Development of practical culture methods for rainbow smelt *Osmerus mordax* larvae. North American Journal Aquaculture 67:202–209.

Sulikowski, J.A., **J. Kneebone**, S. Elzey, J. Jurek, P. Danley, W.H. Howell and P.C. Tsang. 2005. Age and growth of the thorny skate, *Amblyraja radiata*, in the Gulf of Maine. Fisheries Bulletin 103:161–168.

Kneebone, J., D.E. Ferguson, J.A. Sulikowski, and P.C.W. Tsang. 2007. Endocrinological investigation into the reproductive cycles of two sympatric skate species, *Malacoraja senta* and *Amblyraja radiata*, in the western Gulf of Maine. Environmental Biology of Fishes 80:257–265.

Natanson, L.J., J.A. Sulikowski, **J. Kneebone** and P.C. Tsang. 2007. Age and growth estimates for the smooth skate, *Malacoraja senta*, in the Gulf of Maine. Environmental Biology of Fishes 80:293–308.

Sulikowski, J.A., S. Elzey, **J. Kneebone**, J. Jurek, W.H. Howell, and P.C.W. Tsang. 2007. The reproductive cycle of the smooth skate, *Malacoraja senta*, in the Gulf of Maine. Marine and Freshwater Research 58:98–103.

Sulikowski, J.A., W.B. Driggers, W. Ingram, **J. Kneebone**, D.E. Ferguson, and P.C.W. Tsang. 2007. Profiling plasma steroid hormones: a non-lethal approach for the study of skate reproductive biology and its potential use in conservation management. Environmental Biology of Fishes 80:285–292.

Kneebone, J., L.J. Natanson, A.H. Andrews, and W.H. Howell. 2008. Using bomb radiocarbon analyses to validate age and growth estimates for the tiger shark, *Galeocerdo cuvier*, in the western North Atlantic. Marine Biology 154:423–434.

Cicia, A.M., W.B. Driggers, G.W. Ingram Jr., **J. Kneebone**, P.C.W. Tsang, D. Koester, and J.A. Sulikowski. 2009. Age and size at sexual maturity for Little Skate, *Leucoraja erinacea*, in the western Gulf of Maine based on estimates of three parameters. Journal of Fish Biology 75:1648–1666.

Sulikowski, J.A., A.M. Cicia, **J.R. Kneebone**, L.J. Natanson, and P.C.W. Tsang. 2009. Age and size at sexual maturity for the smooth skate, *Malacoraja senta*, in the western Gulf of Maine. Journal of Fish Biology 75:2832–2838.

Kneebone, J., P.C.W. Tsang, and D.H. Townson. 2010. Short communication: Rapid antibiotic screening tests detect antibiotic residues in powdered milk products. Journal of Dairy Science. 93:3961–3964.

Buble, W.J., **J. Kneebone**, J.A. Sulikowski, and P.C.W. Tsang. 2011. Reassessment of spiny dogfish *Squalus acanthias* age and growth using vertebrae and dorsal fin spines. *Journal of Fish Biology* 80:1300–1319.

Kneebone, J., J. Chisholm, and G.B. Skomal. 2012. Seasonal residency, habitat use, and site fidelity of juvenile sand tiger sharks (*Carcharias taurus*) in a Massachusetts estuary. *Marine Ecological Progress Series* 471:165–181.

Kneebone, J., J. Chisholm, D. Bernal, and G. Skomal. 2013. The physiological effects of capture stress, recovery, and the post-release survivorship of juvenile sand tigers (*Carcharias taurus*) caught on rod and reel. *Fisheries Research* 147:103–114.

Winton, M.V., L.J. Natanson, **J. Kneebone**, G.M. Cailliet, and D.A. Ebert. 2013. Life history of *Bathyraja trachura* from the eastern Bering Sea, with evidence of latitudinal variation in a deep-sea skate species. *Journal of the Marine Biological Association of the United Kingdom*, p 1 – 12.

Kneebone, J., J. Chisholm, and G. Skomal. 2014. Movement patterns of juvenile sand tigers (*Carcharias taurus*) along the east coast of the United States. *Marine Biology* 161:1149–1163.

Kneebone, J., W.S. Hoffman, M.J. Dean, and M.P. Armstrong. 2014. Movements of striped bass between the Exclusive Economic Zone and Massachusetts state waters. *North American Journal of Fisheries Management* 34:524-534.

Kneebone, J., W.S. Hoffman, M.J. Dean, D.A. Fox, and M.P. Armstrong. 2014. Movement patterns and stock composition of adult striped bass in Massachusetts coastal waters. *Transactions of the American Fisheries Society* 143:1115-1129.

Legare, B., **J. Kneebone**, B. DeAngelis, and G. Skomal. 2015. The spatiotemporal dynamics of habitat use by blacktip (*Carcharhinus limbatus*) and lemon (*Negaprion brevirostris*) sharks in nurseries of St. John, United States Virgin Islands. *Marine Biology*. 162(3), 699-716.

Capizzano, C.W., Mandelman, J.W., Hoffman, W.S., Dean, M.J., Zemeckis, D.R., Benoit, H.P., **Kneebone, J.**, Jones, E., Stettner, M.J., Buchan, N.J., Langan, J.A., and Sulikowski, J.A. 2016. Estimating and mitigating the discard mortality of Atlantic cod (*Gadus morhua*) in the Gulf of Maine recreational rod-and-reel fishery. *ICES Journal of Marine Science*. 73(9), 2342-2355.

Haulsee, D. E., Fox, D. A., Breece, M. W., Brown, L. M., **Kneebone, J.**, Skomal, G. B., & Oliver, M. J. 2016. Social Network Analysis Reveals Potential Fission-Fusion Behavior in a Shark. *Scientific reports*, 6.

Bethoney, N.D., Schondelmeier, B.P., **Kneebone, J.** and Hoffman, W.S., 2017. Bridges to best management: Effects of a voluntary bycatch avoidance program in a mid-water trawl fishery. *Marine Policy*, 83, pp.172-178.

Kneebone, J., Winton, M., Danylchuk, A., Chisholm, J. and Skomal, G.B. (in review). An assessment of juvenile sand tiger (*Carcharias taurus*) activity patterns in a seasonal nursery using accelerometer transmitters. *Environmental Biology of Fishes*

SCIENTIFIC PRESENTATIONS AND OUTREACH

July 2005: 21st American Elasmobranch Society Meeting, Tampa, FL (poster)
July 2006: 22nd American Elasmobranch Society Meeting, New Orleans, LA (oral)
July 2008: 24th American Elasmobranch Society Meeting, Montreal, Quebec, Canada (oral)
July 2009: 26th American Elasmobranch Society Meeting, Providence, RI (oral)
July 2010: 27th American Elasmobranch Society Meeting, Minneapolis, MN (oral)
February 2017: Animal Tracking Network Workshop, Annapolis, MD (oral)

March 2005: Speaker, Saco Bay Tackle Annual Fishing Seminar and Clambake, Saco, ME
January 2010 & 2011: Speaker, Jones River Landing, Kingston, MA
August 2010: Co-coordinator of 'Shark Day', an educational seminar for the New England Aquarium Harbor Discoveries Camp at the Jones River Landing, Kingston, MA
November 2010: Speaker, Mystic Aquarium staff seminar series. Mystic, CT
March 2013: Keynote speaker at the Massachusetts Marine Educators 30th Annual High School Marine Science Symposium. University of Massachusetts Dartmouth, Dartmouth, MA
January 2014: Guest panelist at the Mass Audubon Society Film Night, Wellfleet, MA
March 2014: Speaker, University of Massachusetts Dartmouth School for Marine Science and Technology Department of Fisheries and Oceanography seminar, Fairhaven, MA
May 2014: Lecturer, Shark Research Confessions: New England Aquarium, Boston, MA
October 2016: Speaker, Gloucester Marine Genomics Institute Science Forum, Gloucester, MA
April 2017: Lecturer, Spring Lecture Series, New England Aquarium, Boston, MA
May 2017: Speaker, High School Education Symposium, University of Rhode Island
October 2017: Speaker, Rutgers Extension Program, Toms River, NJ
November 2017: Speaker, Cape Cod Charterboat Association meeting, Hyannis, MA

TEACHING EXPERIENCE

Spring 2001: Undergraduate teaching assistant for Introductory Biology, University of New Hampshire

Spring 2003: Graduate teaching assistant for Principles of Aquaculture, University of New Hampshire

Spring 2008: Assistant instructor for Research Methods in Endocrinology, University of New Hampshire

GRANTS/FELLOWSHIPS

University of New Hampshire, Summer Undergraduate Research Fellowship (2002)

University of New Hampshire, Cooperative Institute for New England Mariculture and Fisheries Marine Program Graduate Research Fellowship (2003 – 2005)

University of New Hampshire, Center for Marine Biology Graduate Student Research Award. (2004), Application of bomb radiocarbon analyses to tiger shark age validation.

Improving the management of an overfished, data poor species: Investigating the movements and stock structure of thorny skates using novel fishery-independent tagging technology. 2015 NOAA Saltonstall-Kennedy Program

Post-Release Mortality of Yellowfin Tuna in the U.S. Rod and Reel Recreational Fishery. 2015 NOAA Saltonstall-Kennedy Program

Determining catch and release survivorship and best handling practices for Pacific Bluefin tuna. 2015 NOAA Saltonstall-Kennedy Program

Identifying bottom trawl bycatch hotspots and captureand-handling practices to reduce the incidental mortality of an overfished Species of Concern -- the Thorny Skate -- in the Gulf of Maine. 2015 NOAA Bycatch Reduction and Engineering Program

Estimating and mitigating the discard mortality rate of black sea bass in offshore recreational rod-and-reel fisheries. 2016 Mid-Atlantic Fisheries Management Council

A multi-faceted investigation of the movement patterns, spatial and temporal habitat use, and stock structure of the common thresher shark (*Alopias vulpinus*) in the western North Atlantic. 2016 NOAA Saltonstall-Kennedy Program

Evaluating the life history and stock structure of yellowfin tuna (*Thunnus albacares*) in the northwest Atlantic Ocean. 2017 NOAA Saltonstall-Kennedy Program