

Stanford



Jeremy Goldbogen

Co-Director, Hopkins Marine Station and Associate Professor of Biology

Bio

ACADEMIC APPOINTMENTS

- Associate Professor, Biology
- Member, Bio-X

HONORS AND AWARDS

- Terman Fellowship, Stanford University (2017-2020)
- Young Investigator Award, Office of Naval Research (2016-2020)
- Hoagland Award for Teaching Innovation, Vice Provost for Undergraduate Education, Humanities and Sciences Dean's Office, Stanford University (2015)

PROFESSIONAL EDUCATION

- BSc, University of Texas at Austin , Zoology (2002)
- MSc, Scripps Institution of Oceanography, University of California - San Diego , Marine Biology (2005)
- PhD, University of British Columbia , Zoology (2010)

Teaching

COURSES

2020-21

- Topics in Comparative and Environmental Physiology: BIOHOPK 234H (Sum)

2019-20

- Topics in Comparative and Environmental Physiology: BIOHOPK 234H (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Natalie Arnoldi, William Oestreich

Postdoctoral Faculty Sponsor

David Cade, Matthew Savoca

Doctoral Dissertation Advisor (AC)

Max Czapanskiy, James Fahlbusch, Will Gough

Doctoral (Program)

James Fahlbusch, Will Gough

Publications

PUBLICATIONS

- **Baleen whale prey consumption based on high-resolution foraging measurements.** *Nature*
Savoca, M. S., Czapanskiy, M. F., Kahane-Rapport, S. R., Gough, W. T., Fahlbusch, J. A., Bierlich, K. C., Segre, P. S., Di Clemente, J., Penry, G. S., Wiley, D. N., Calambokidis, J., Nowacek, D. P., Johnston, et al
2021; 599 (7883): 85-90
- **Animal-Borne Metrics Enable Acoustic Detection of Blue Whale Migration.** *Current biology : CB*
Oestreich, W. K., Fahlbusch, J. A., Cade, D. E., Calambokidis, J., Margolina, T., Joseph, J., Friedlaender, A. S., McKenna, M. F., Stimpert, A. K., Southall, B. L., Goldbogen, J. A., Ryan, J. P.
2020
- **Energetic and physical limitations on the breaching performance of large whales.** *eLife*
Segre, P. S., Potvin, J., Cade, D. E., Calambokidis, J., Di Clemente, J., Fish, F. E., Friedlaender, A. S., Gough, W. T., Kahane-Rapport, S. R., Oliveira, C., Parks, S. E., Penry, G. S., Simon, et al
2020; 9
- **Why whales are big but not bigger: Physiological drivers and ecological limits in the age of ocean giants.** *Science (New York, N.Y.)*
Goldbogen, J. A., Cade, D. E., Wisniewska, D. M., Potvin, J., Segre, P. S., Savoca, M. S., Hazen, E. L., Czapanskiy, M. F., Kahane-Rapport, S. R., DeRuiter, S. L., Gero, S., Tonnesen, P., Gough, et al
2019; 366 (6471): 1367-72
- **Extreme bradycardia and tachycardia in the world's largest animal** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Goldbogen, J. A., Cade, D. E., Calambokidis, J., Czapanskiy, M. F., Fahlbusch, J., Friedlaender, A. S., Gough, W. T., Kahane-Rapport, S. R., Savoca, M. S., Ponganis, K. V., Ponganis, P. J.
2019; 116 (50): 25329-32
- **Memory and resource tracking drive blue whale migrations** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Abrahms, B., Hazen, E. L., Aikens, E. O., Savoca, M. S., Goldbogen, J. A., Bograd, S. J., Jacox, M. G., Irvine, L. M., Palacios, D. M., Mate, B. R.
2019; 116 (12): 5582-87
- **Predator-informed looming stimulus experiments reveal how large filter feeding whales capture highly maneuverable forage fish.** *Proceedings of the National Academy of Sciences of the United States of America*
Cade, D. E., Carey, N. n., Domenici, P. n., Potvin, J. n., Goldbogen, J. A.
2019
- **Physiological constraints on marine mammal body size** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Goldbogen, J. A.
2018; 115 (16): 3995-97
- **Context-dependent lateralized feeding strategies in blue whales** *CURRENT BIOLOGY*
Friedlaender, A. S., Herbert-Read, J. E., Hazen, E. L., Cade, D. E., Calambokidis, J., Southall, B. L., Stimpert, A. K., Goldbogen, J. A.
2017; 27 (22): R1206-R1208
- **A hydrodynamically active flipper-stroke in humpback whales** *CURRENT BIOLOGY*
Segre, P. S., Seakamela, S., Meyer, M. A., Findlay, K. P., Goldbogen, J. A.
2017; 27 (13): R636-R637
- **Independent evolution of baleen whale gigantism linked to Plio-Pleistocene ocean dynamics.** *Proceedings. Biological sciences*
Slater, G. J., Goldbogen, J. A., Pyenson, N. D.
2017; 284 (1855)
- **How Baleen Whales Feed: The Biomechanics of Engulfment and Filtration.** *Annual review of marine science*
Goldbogen, J. A., Cade, D. E., Calambokidis, J., Friedlaender, A. S., Potvin, J., Segre, P. S., Werth, A. J.

2017; 9: 367-386

- **Kinematic Diversity in Rorqual Whale Feeding Mechanisms** *CURRENT BIOLOGY*
Cade, D. E., Friedlaender, A. S., Calambokidis, J., Goldbogen, J. A.
2016; 26 (19): 2617-2624
- **Blue whales (*Balaenoptera musculus*) optimize foraging efficiency by balancing oxygen use and energy gain as a function of prey density.** *Science advances*
Hazen, E. L., Friedlaender, A. S., Goldbogen, J. A.
2015; 1 (9)
- **Stretchy nerves are an essential component of the extreme feeding mechanism of rorqual whales** *CURRENT BIOLOGY*
Vogl, A. W., Lillie, M. A., Piscitelli, M. A., Goldbogen, J. A., Pyenson, N. D., Shadwick, R. E.
2015; 25 (9): R360-R361
- **An accelerometer-derived ballistocardiogram method for detecting heart rates in free-ranging marine mammals.** *The Journal of experimental biology*
Czapanskiy, M. F., Ponganis, P. J., Fahlbusch, J. A., Schmitt, T. L., Goldbogen, J. A.
2022
- **High-speed chases along the seafloor put Bryde's whales at risk of entanglement** *CONSERVATION SCIENCE AND PRACTICE*
Segre, P. S., di Clemente, J., Kahane-Rapport, S. R., Gough, W. T., Meyer, M. A., Lombard, A. T., Goldbogen, J. A., Penry, G. S.
2022
- **The limits of convergence in the collective behavior of competing marine taxa.** *Ecology and evolution*
Burford, B. P., Williams, R. R., Demetras, N. J., Carey, N., Goldbogen, J., Gilly, W. F., Harding, J., Denny, M. W.
2022; 12 (3): e8747
- **Scaling of maneuvering performance in baleen whales: larger whales outperform expectations.** *The Journal of experimental biology*
Segre, P. S., Gough, W. T., Roualdes, E. A., Cade, D. E., Czapanskiy, M. F., Fahlbusch, J., Kahane-Rapport, S. R., Oestreich, W. K., Bejder, L., Bierlich, K. C., Burrows, J. A., Calambokidis, J., Chenoweth, et al
2022; 225 (5)
- **Acoustic signature reveals blue whales tune life-history transitions to oceanographic conditions** *FUNCTIONAL ECOLOGY*
Oestreich, W. K., Abrahms, B., McKenna, M. F., Goldbogen, J. A., Crowder, L. B., Ryan, J. P.
2022
- **Evidence for Size-Selective Predation by Antarctic Humpback Whales** *FRONTIERS IN MARINE SCIENCE*
Cade, D. E., Kahane-Rapport, S. R., Wallis, B., Goldbogen, J. A., Friedlaender, A. S.
2022; 9
- **Advancing the Interpretation of Shallow Water Marine Soundscapes** *FRONTIERS IN MARINE SCIENCE*
McKenna, M. F., Baumann-Pickering, S., Kok, A. M., Oestreich, W. K., Adams, J. D., Barkowski, J., Frstrup, K. M., Goldbogen, J. A., Joseph, J., Kim, E. B., Kugler, A., Lammers, M. O., Margolina, et al
2021; 08
- **Tools for integrating inertial sensor data with video bio-loggers, including estimation of animal orientation, motion, and position** *ANIMAL BIOTELEMETRY*
Cade, D. E., Gough, W. T., Czapanskiy, M. F., Fahlbusch, J. A., Kahane-Rapport, S. R., Linsky, J. J., Nichols, R. C., Oestreich, W. K., Wisniewska, D. M., Friedlaender, A. S., Goldbogen, J. A.
2021; 9 (1)
- **Sympatry and resource partitioning between the largest krill consumers around the Antarctic Peninsula** *MARINE ECOLOGY PROGRESS SERIES*
Friedlaender, A. S., Joyce, T., Johnston, D. W., Read, A. J., Nowacek, D. P., Goldbogen, J. A., Gales, N., Durban, J. W.
2021; 669: 1-16
- **Too big to study? The biologging approach to understanding the behavioural energetics of ocean giants.** *The Journal of experimental biology*
Watanabe, Y. Y., Goldbogen, J. A.
2021; 224 (13)
- **Scaling of oscillatory kinematics and Froude efficiency in baleen whales.** *The Journal of experimental biology*
Gough, W. T., Smith, H. J., Savoca, M. S., Czapanskiy, M. F., Fish, F. E., Potvin, J., Bierlich, K. C., Cade, D. E., Clemente, J. D., Kennedy, J., Segre, P., Stanworth, A., Weir, et al

2021

- **Modelling short-term energetic costs of sonar disturbance to cetaceans using high-resolution foraging data** *JOURNAL OF APPLIED ECOLOGY*
Czapanskiy, M. F., Savoca, M. S., Gough, W. T., Segre, P. S., Wisniewska, D. M., Cade, D. E., Goldbogen, J. A.
2021
- **Biomechanically distinct filter-feeding behaviors distinguish sei whales as a functional intermediate and ecologically flexible species** *JOURNAL OF EXPERIMENTAL BIOLOGY*
Segre, P. S., Weir, C. R., Stanworth, A., Cartwright, S., Friedlaender, A. S., Goldbogen, J. A.
2021; 224 (9)
- **MARINE MAMMALS: ADAPTATIONS FOR AN AQUATIC LIFE. (Book Review)** *QUARTERLY REVIEW OF BIOLOGY*
Book Review Authored by: Goldbogen, J.
2021; 96 (1): 43–44
- **Predator#scale spatial analysis of intra#patch prey distribution reveals the energetic drivers of rorqual whale super#group formation** *Functional Ecology*
Cade, D. E., Seakamela, M., Findlay, K. P., Fukunaga, J., Kahane#Rapport, S. R., Warren, J. D., Calambokidis, J., Fahlbusch, J. A., Friedlaender, A. S., Hazen, E. L., Kotze, D., McCue, S., Meyer, et al
2021
- **Context-dependent variability in the predicted daily energetic costs of disturbance for blue whales.** *Conservation physiology*
Pirotta, E. n., Booth, C. G., Cade, D. E., Calambokidis, J. n., Costa, D. P., Fahlbusch, J. A., Friedlaender, A. S., Goldbogen, J. A., Harwood, J. n., Hazen, E. L., New, L. n., Southall, B. L.
2021; 9 (1): coaa137
- **Microplastics and microfibers in surface waters of Monterey Bay National Marine Sanctuary, California.** *Marine pollution bulletin*
Kashiwabara, L. M., Kahane-Rapport, S. R., King, C. n., DeVogelaere, M. n., Goldbogen, J. A., Savoca, M. S.
2021; 165: 112148
- **Quick guide Blue whales** *CURRENT BIOLOGY*
Goldbogen, J.
2020; 30 (23): R1399–R1400
- **Remoras pick where they stick on blue whales.** *The Journal of experimental biology*
Flammang, B. E., Marras, S., Anderson, E. J., Lehmkuhl, O., Mukherjee, A., Cade, D. E., Beckert, M., Nadler, J. H., Houzeaux, G., Vazquez, M., Amplo, H. E., Calambokidis, J., Friedlaender, et al
2020; 223 (Pt 20)
- **The scale of the whale: using video-tag data to evaluate sea-surface ice concentration from the perspective of individual Antarctic minke whales** *ANIMAL BIOTELEMETRY*
Linsky, J. J., Wilson, N., Cade, D. E., Goldbogen, J. A., Johnston, D. W., Friedlaender, A. S.
2020; 8 (1)
- **A perfectly inelastic collision: Bulk prey engulfment by baleen whales and dynamical implications for the world's largest cetaceans** *AMERICAN JOURNAL OF PHYSICS*
Potvin, J., Cade, D. E., Werth, A. J., Shadwick, R. E., Goldbogen, J. A.
2020; 88 (10): 851–63
- **From a calf's perspective: humpback whale nursing behavior on two US feeding grounds** *PEERJ*
Tackaberry, J. E., Cade, D. E., Goldbogen, J. A., Wiley, D. N., Friedlaender, A. S., Stimpert, A. K.
2020; 8: e8538
- **Blue whales.** *Current biology : CB*
Goldbogen, J. n.
2020; 30 (23): R1399–R1400
- **The advantages of diving deep: Fin whales quadruple their energy intake when targeting deep krill patches** *FUNCTIONAL ECOLOGY*
Friedlaender, A. S., Bowers, M. T., Cade, D., Hazen, E. L., Stimpert, A. K., Allen, A. N., Calambokidis, J., Fahlbusch, J., Segre, P., Visser, F., Southall, B. L., Goldbogen, J. A.
2019

- **Lunge Feeding in Rorqual Whales.** *Physiology (Bethesda, Md.)*
Shadwick, R. E., Potvin, J., Goldbogen, J. A.
2019; 34 (6): 409–18
- **Differential Vulnerability to Ship Strikes Between Day and Night for Blue, Fin, and Humpback Whales Based on Dive and Movement Data From Medium Duration Archival Tags** *FRONTIERS IN MARINE SCIENCE*
Calambokidis, J., Fahlbusch, J. A., Szescioroka, A. R., Southall, B. L., Cade, D. E., Friedlaender, A. S., Goldbogen, J. A.
2019; 6
- **Anthropogenic disturbance in a changing environment: modelling lifetime reproductive success to predict the consequences of multiple stressors on a migratory population** *OIKOS*
Pirota, E., Mangel, M., Costa, D. P., Goldbogen, J., Harwood, J., Hin, V., Irvine, L. M., Mate, B. R., McHuron, E. A., Palacios, D. M., Schwarz, L. K., New, L.
2019; 128 (9): 1340–57
- **Foraging energetics and prey density requirements of western North Atlantic blue whales in the Estuary and Gulf of St. Lawrence, Canada** *MARINE ECOLOGY PROGRESS SERIES*
Guilpin, M., Lesage, V., McQuinn, I., Goldbogen, J. A., Potvin, J., Jeanniard-du-Dot, T., Doniol-Valcroze, T., Michaud, R., Moisan, M., Winkler, G.
2019; 625: 205–23
- **Diving Behavior and Fine-Scale Kinematics of Free-Ranging Risso's Dolphins Foraging in Shallow and Deep-Water Habitats** *FRONTIERS IN ECOLOGY AND EVOLUTION*
Arranz, P., Benoit-Bird, K. J., Friedlaender, A. S., Hazen, E. L., Goldbogen, J. A., Stimpert, A. K., DeRuiter, S. L., Calambokidis, J., Southall, B. L., Fahlman, A., Tyack, P. L.
2019; 7
- **Behavioral responses of individual blue whales (*Balaenoptera musculus*) to mid-frequency military sonar.** *The Journal of experimental biology*
Southall, B. L., DeRuiter, S. L., Friedlaender, A., Stimpert, A. K., Goldbogen, J. A., Hazen, E., Casey, C., Fregosi, S., Cade, D. E., Allen, A. N., Harris, C. M., Schorr, G., Moretti, et al
2019; 222 (Pt 5)
- **Behavioral responses of individual blue whales (*Balaenoptera musculus*) to mid-frequency military sonar** *JOURNAL OF EXPERIMENTAL BIOLOGY*
Southall, B. L., DeRuiter, S. L., Friedlaender, A., Stimpert, A. K., Goldbogen, J. A., Hazen, E., Casey, C., Fregosi, S., Cade, D. E., Allen, A. N., Harris, C. M., Schorr, G., Moretti, et al
2019; 222 (5)
- **Memory and resource tracking drive blue whale migrations.** *Proceedings of the National Academy of Sciences of the United States of America*
Abrahms, B., Hazen, E. L., Aikens, E. O., Savoca, M. S., Goldbogen, J. A., Bograd, S. J., Jacox, M. G., Irvine, L. M., Palacios, D. M., Mate, B. R.
2019
- **Grouping reduces the metabolic demand of a social squid** *Marine Ecology Progress Series*
Burford, B. P., Carey, N., Gilly, W. F., Goldbogen, J. A.
2019; 612: 141-150
- **Scaling of swimming performance in baleen whales.** *The Journal of experimental biology*
Gough, W. T., Segre, P. S., Bierlich, K. C., Cade, D. E., Potvin, J. n., Fish, F. E., Dale, J. n., di Clemente, J. n., Friedlaender, A. S., Johnston, D. W., Kahane-Rapport, S. R., Kennedy, J. n., Long, et al
2019
- **Filtration area scaling and evolution in mysticetes: trophic niche partitioning and the curious cases of sei and pygmy right whales** *BIOLOGICAL JOURNAL OF THE LINNEAN SOCIETY*
Werth, A. J., Potvin, J., Shadwick, R. E., Jensen, M. M., Cade, D. E., Goldbogen, J. A.
2018; 125 (2): 264–79
- **Allometric scaling of morphology and engulfment capacity in rorqual whales.** *Journal of morphology*
Kahane-Rapport, S. R., Goldbogen, J. A.
2018
- **Allometric scaling of morphology and engulfment capacity in rorqual whales** *JOURNAL OF MORPHOLOGY*
Kahane-Rapport, S. R., Goldbogen, J. A.
2018; 279 (9): 1256-1268

- **A Dynamic State Model of Migratory Behavior and Physiology to Assess the Consequences of Environmental Variation and Anthropogenic Disturbance on Marine Vertebrates** *AMERICAN NATURALIST*
Pirota, E., Mangel, M., Costa, D. P., Mate, B., Goldbogen, J. A., Palacios, D. M., Huckstadt, L. A., McHuron, E. A., Schwarz, L., New, L.
2018; 191 (2): E40–E56
- **Determining forward speed from accelerometer jiggle in aquatic environments.** *The Journal of experimental biology*
Cade, D. E., Barr, K. R., Calambokidis, J. n., Friedlaender, A. S., Goldbogen, J. A.
2018; 221 (Pt 2)
- **Determining forward speed from accelerometer jiggle in aquatic environments** *JOURNAL OF EXPERIMENTAL BIOLOGY*
Cade, D. E., Barr, K. R., Calambokidis, J., Friedlaender, A. S., Goldbogen, J. A.
2018; 221 (2)
- **FILTER FEEDING** *ENCYCLOPEDIA OF MARINE MAMMALS, 3RD EDITION*
Croll, D. A., Tershy, B. R., Newton, K. M., de Vos, A., Hazen, E., Goldbogen, J. A., Wursig, B., Thewissen, J. G., Kovacs, K. M.
2018: 363-368
- **The evolution of foraging capacity and gigantism in cetaceans** *Journal of Experimental Biology*
Goldbogen, J. A., Madsen, P. T.
2018; 221
- **Resource partitioning facilitates coexistence in sympatric cetaceans in the California Current** *ECOLOGY AND EVOLUTION*
Fossette, S., Abrahms, B., Hazen, E. L., Bograd, S. J., Zilliacus, K. M., Calambokidis, J., Burrows, J. A., Goldbogen, J. A., Harvey, J. T., Marinovic, B., Tershy, B., Croll, D. A.
2017; 7 (21): 9085–97
- **Comparative Three-Dimensional Morphology of Baleen: Cross-Sectional Profiles and Volume Measurements Using CT Images** *ANATOMICAL RECORD-ADVANCES IN INTEGRATIVE ANATOMY AND EVOLUTIONARY BIOLOGY*
Jensen, M. M., Saladrigas, A. H., Goldbogen, J. A.
2017; 300 (11): 1942–52
- **Structure and Function in the Lunge Feeding Apparatus: Mechanical Properties of the Fin Whale Mandible** *ANATOMICAL RECORD-ADVANCES IN INTEGRATIVE ANATOMY AND EVOLUTIONARY BIOLOGY*
Shadwick, R. E., Goldbogen, J. A., Pyenson, N. D., Whale, J. A.
2017; 300 (11): 1953–62
- **Early career researchers: an interview with Jeremy Goldbogen** *JOURNAL OF EXPERIMENTAL BIOLOGY*
Goldbogen, J.
2017; 220 (14): 2489-2491
- **Avoidance responses of minke whales to 1-4kHz naval sonar.** *Marine pollution bulletin*
Kvadsheim, P. H., Deruiter, S., Sivle, L. D., Goldbogen, J., Roland-Hansen, R., Miller, P. J., Lam, F. A., Calambokidis, J., Friedlaender, A., Visser, F., Tyack, P. L., Kleivane, L., Southall, et al
2017
- **A MULTIVARIATE MIXED HIDDEN MARKOV MODEL FOR BLUE WHALE BEHAVIOUR AND RESPONSES TO SOUND EXPOSURE** *ANNALS OF APPLIED STATISTICS*
DeRuiter, S. L., Langrock, R., Skirbutas, T., Goldbogen, J. A., Calambokidis, J., Friedlaender, A. S., Southall, B. L.
2017; 11 (1): 362-392
- **Physical trade-offs shape the evolution of buoyancy control in sharks.** *Proceedings. Biological sciences*
Gleiss, A. C., Potvin, J. n., Goldbogen, J. A.
2017; 284 (1866)
- **Kinematics of ram filter feeding and beat–glide swimming in the northern anchovy *Engraulis mordax*** *Journal of Experimental Biology*
Carey, N., Goldbogen, J. A.
2017; 220: 2717-2725
- **Hydrodynamic properties of fin whale flippers predict maximum rolling performance.** *journal of experimental biology*
Segre, P. S., Cade, D. E., Fish, F. E., Potvin, J., Allen, A. N., Calambokidis, J., Friedlaender, A. S., Goldbogen, J. A.

2016; 219: 3315-3320

- **How to tag a jellyfish? A methodological review and guidelines to successful jellyfish tagging** *JOURNAL OF PLANKTON RESEARCH*
Fossette, S., Katija, K., Goldbogen, J. A., Bograd, S., Patry, W., Howard, M. J., Knowles, T., Haddock, S. H., Bedell, L., Hazen, E. L., Robison, B. H., Mooney, T. A., Shorter, et al
2016; 38 (6): 1347-1363
- **Studying cetacean behaviour: new technological approaches and conservation applications** *ANIMAL BEHAVIOUR*
Nowacek, D. P., Christiansen, F., Bejder, L., Goldbogen, J. A., Friedlaender, A. S.
2016; 120: 235-244
- **Development of an automated method of detecting stereotyped feeding events in multisensor data from tagged rorqual whales.** *Ecology and evolution*
Allen, A. N., Goldbogen, J. A., Friedlaender, A. S., Calambokidis, J.
2016; 6 (20): 7522-7535
- **Development of an automated method of detecting stereotyped feeding events in multisensor data from tagged rorqual whales** *ECOLOGY AND EVOLUTION*
Allen, A. N., Goldbogen, J. A., Friedlaender, A. S., Calambokidis, J.
2016; 6 (20): 7522-7535
- **Discrimination of fast click-series produced by tagged Risso's dolphins (*Grampus griseus*) for echolocation or communication** *JOURNAL OF EXPERIMENTAL BIOLOGY*
Arranz, P., DeRuiter, S. L., Stimpert, A. K., Neves, S., Friedlaender, A. S., Goldbogen, J. A., Visser, F., Calambokidis, J., Southall, B. L., Tyack, P. L.
2016; 219 (18): 2898-2907
- **Prey-mediated behavioral responses of feeding blue whales in controlled sound exposure experiments** *ECOLOGICAL APPLICATIONS*
Friedlaender, A. S., Hazen, E. L., Goldbogen, J. A., Stimpert, A. K., Calambokidis, J., Southall, B. L.
2016; 26 (4): 1075-1085
- **Multiple-stage decisions in a marine central-place forager** *ROYAL SOCIETY OPEN SCIENCE*
Friedlaender, A. S., Johnston, D. W., Tyson, R. B., Kaltenberg, A., Goldbogen, J. A., Stimpert, A. K., Curtice, C., Hazen, E. L., Halpin, P. N., Read, A. J., Nowacek, D. P.
2016; 3 (5)
- **Insights into the Underwater Behavior, Species Interactions, and Biomechanics of Baleen Whales using Suction-Cup Attached Video and Inertial Sensors**
Goldbogen, J., Cade, D., Calambokidis, J., Stimpert, A., Friedlaender, A.
FEDERATION AMER SOC EXP BIOL.2016
- **Feeding mechanisms** *MARINE MAMMAL PHYSIOLOGY: REQUISITES FOR OCEAN LIVING*
Marshall, C. D., Goldbogen, J. A., Castellini, M. A., Mellish, J. A.
2016: 95–117
- **Hydrodynamics** *MARINE MAMMAL PHYSIOLOGY: REQUISITES FOR OCEAN LIVING*
Goldbogen, J. A., Fish, F. E., Potvin, J., Castellini, M. A., Mellish, J. A.
2016: 3-28
- **Using morphology to infer physiology: case studies on rorqual whales (*Balaenopteridae*)** *CANADIAN JOURNAL OF ZOOLOGY*
Goldbogen, J. A., Shadwick, R. E., Lillie, M. A., Piscitelli, M. A., Potvin, J., Pyenson, N. D., Vogl, A. W.
2015; 93 (9): 687-700
- **Prey density and distribution drive the three-dimensional foraging strategies of the largest filter feeder** *FUNCTIONAL ECOLOGY*
Goldbogen, J. A., Hazen, E. L., Friedlaender, A. S., Calambokidis, J., DeRuiter, S. L., Stimpert, A. K., Southall, B. L.
2015; 29 (7): 951-961
- **Mechanical challenges to freshwater residency in sharks and rays.** *journal of experimental biology*
Gleiss, A. C., Potvin, J., Keleher, J. J., Whitty, J. M., Morgan, D. L., Goldbogen, J. A.
2015; 218: 1099-1110
- **Feeding performance by sympatric blue and fin whales exploiting a common prey resource** *MARINE MAMMAL SCIENCE*
Friedlaender, A. S., Goldbogen, J. A., Hazen, E. L., Calambokidis, J., Southall, B. L.
2015; 31 (1): 345-354

- **Formal Comment on Schorr GS, Falcone EA, Moretti DJ, Andrews RD (2014) First Long-Term Behavioral Records from Cuvier's Beaked Whales (*Ziphius cavirostris*) Reveal Record-Breaking Dives. PLoS ONE 9(3): e92633. doi:10.1371/journal.pone.0092633. *PloS one***
Tyack, P. L., Calambokidis, J. n., Friedlaender, A. n., Goldbogen, J. n., Southall, B. n.
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