Stanford



Barbara Block

Charles and Elizabeth Prothro Professor of Marine Sciences, Professor of Oceans and Senior Fellow at the Woods Institute for the Environment

Biology

Bio

ACADEMIC APPOINTMENTS

- Professor, Biology
- Professor, Oceans
- Senior Fellow, Stanford Woods Institute for the Environment
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Wu Tsai Human Performance Alliance

HONORS AND AWARDS

- Member, US National Academy of Science (2023)
- IGFA Fishing Hall of Fame, International Game Fish Association (2021)
- Excellence in Science, Peter Benchley Ocean Award (2016)
- Rolex Award for Enterprise, Rolex (2012)
- Walter B. Cannon Award, American Physiological Society (2008)
- Pew Marine Conservation Fellow, Pew Foundation (1997)
- MacArthur Fellow, MacArthur Foundation (1996)
- Presidents Medal, Society for Experimental Biology, London (1994)
- Presidential Young Investigator Award, National Science Foundation (1989)

PROFESSIONAL EDUCATION

- B.A., University of Vermont , Zoology (1980)
- Ph.D, Duke University , Zoology (1986)

LINKS

- https://www.stanfordblocklab.org/: https://www.stanfordblocklab.org/
- My Lab Site: URL Label Link Type Action https://www.stanfordblocklab.org/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Thermal physiology, open ocean predators, ecological physiology and tuna biology

Teaching

COURSES

2026-27

- Biology PhD Lab Rotation: BIO 299 (Aut, Win, Spr)
- Marine Animal Physiology: BIO 162H, BIO 262H, OCEANS 162H, OCEANS 262H (Spr)
- Shark Biology, Ecology & Conservation: BIO 110H, BIO 210H, OCEANS 110H, OCEANS 210H (Spr)

2025-26

- Marine Animal Physiology: BIO 162H, BIO 262H, OCEANS 162H, OCEANS 262H (Spr)
- Shark Biology, Ecology & Conservation: BIO 110H, BIO 210H, OCEANS 110H, OCEANS 210H (Spr)

2023-24

- Get to Know Your Oceans: OCEANS 300A (Aut)
- Marine Conservation Biology - Seminar and Discussion Only: OCEANS 173HA, OCEANS 273HA (Spr)
- Stanford at Sea: BIO 182H, BIO 323H, EARTHSYS 323, ESS 323, OCEANS 182H, OCEANS 323H (Spr)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Chloe Mikles, Laia Munoz Abril

Doctoral Dissertation Advisor (AC)

Sabrina Daley, Peter Mastnak

Doctoral (Program)

Raksha Doddabele

Postdoctoral Research Mentor

Laia Munoz Abril

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (PhD Program)

Publications

PUBLICATIONS

- **The repeatability of white shark migrations in the north-east Pacific** *ICES JOURNAL OF MARINE SCIENCE*
  Andrzejaczek, S., DiGiacomo, A. E., Chapple, T. K., Byrnes, E. E., Jacoby, D. M. P., Jorgensen, S. J., Kanive, P. E., Reimer, T. E. J., Block, B. A.
  2026; 83 (9)
- **Ontogenetic shifts in morphology and ecology of eastern Pacific white sharks revealed by computer vision.** *PloS one*
  DiGiacomo, A. E., Andrzejaczek, S., Block, B. A.
  2026; 21 (5): e0348174
- **Adaptive genomic divergence parallels migratory behavior in Atlantic bluefin tuna.** *Current biology : CB*
  Mikles, C. S., Pagniello, C. M., Bigal, E., Moran, B. M., Rooker, J. R., Ortega, A., de la Gándara, F., Maxwell, H., Schallert, R., Castleton, M. R., Schumer, M., Stokesbury, M. J., Block, et al
  2026
- **Fish and ships: using overlap between Atlantic fishing fleets and highly migratory pelagic species to reveal hotspots of potential management interest** *CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES*

Aalto, E. A., Dale, J. J., White, T. D., Braun, C. D., Thorrold, S. R., Skomal, G. B., Afonso, P., Jones, C. M., Orbesen, E. S., Snodgrass, D. J., Walter III, J. F., Block, B. A.
2026; 83

- **Modelling the accumulation of 137Cs by Atlantic bluefin tuna (Thunnus thynnus) after a hypothetical nuclear accident in the Northwest Atlantic Ocean** *JOURNAL OF MARINE SYSTEMS*
  Cortes, C., Perianez, R., Block, B. A., Castleton, M. R., Cermeno, P., Dedman, S.
  2026; 253

- **Reef manta ray habitat use and residency at a remote marine protected area** *MARINE ECOLOGY PROGRESS SERIES*
  Daley, S., Andrzejaczek, S., Schallert, R. J., Carlson, P. M., Caselle, J. E., Papastamatiou, Y. P., Block, B.
  2025; 774: 219-232

- **Deep diving behaviour in oceanic manta rays and its potential function** *FRONTIERS IN MARINE SCIENCE*
  Beale, C. S., Runtuboy, F., Sianipar, A. B., Beer, A. J. E., Kadarusman, Erdmann, M. V., Setyawan, E., Green, L., Duffy, C. A. J., Andrzejaczek, S., Block, B. A., Forsberg, K., Meekan, M., et al
  2025; 12

- **Spawning migration and habitat use of adult Pacific bluefin tuna (Thunnus orientalis) in the Northwestern Pacific Ocean** *ANIMAL BIOTELEMETRY*
  Chiang, W., Lin, S., Yang, K., Chang, C., Boustany, A. M., Reimer, T. E. J., Jan, S., Ho, Y., Musyl, M. K., Block, B. A.
  2025; 13 (1)

- **Density-dependent network structuring within and across wild animal systems.** *Nature ecology & evolution*
  Albery, G. F., Becker, D. J., Firth, J. A., De Moor, D., Ravindran, S., Silk, M., Sweeny, A. R., Vander Wal, E., Webber, Q., Allen, B., Babayan, S. A., Barve, S., Begon, et al
  2025

- **The role of oceanographic scales in shaping highly mobile marine predator distributions.** *Scientific reports*
  Pinti, J., Carlisle, A. B., Huntley, H. S., Shatley, M., Block, B. A., Oliver, M. J.
  2025; 15 (1): 23235

- **Use of accelerometry to measure the dynamics of activity patterns of Atlantic bluefin tuna after tagging and release.** *Movement ecology*
  Rudd, J. L., Aarestrup, K., Abel, G., Alemany, F., Baktoft, H., Binney, F. C., Birch, S., Birnie-Gauvin, K., Block, B. A., Collins, M. A., Exeter, O. M., Garzon, F., Horton, et al
  2025; 13 (1): 37

- **Global tracking of marine megafauna space use reveals how to achieve conservation targets.** *Science (New York, N.Y.)*
  Sequeira, A. M., Rodríguez, J. P., Marley, S. A., Calich, H. J., van der Mheen, M., VanCompernolle, M., Arrowsmith, L. M., Peel, L. R., Queiroz, N., Vedor, M., da Costa, I., Mucientes, G., Couto, et al
  2025; 388 (6751): 1086-1097

- **Climate change impacts to foraging seascapes for a highly migratory top predator.** *Movement ecology*
  Muhling, B., Snyder, S., Hazen, E. L., Whitlock, R., Park, J., Stock, C. A., Block, B. A.
  2025; 13 (1): 33

- **Multi-Species Telemetry Quantifies Current and Future Efficacy of a Remote Marine Protected Area.** *Global change biology*
  Gilmour, M. E., Pollock, K., Adams, J., Block, B. A., Caselle, J. E., Filous, A., Friedlander, A. M., Game, E. T., Hazen, E. L., Hill, M., Holmes, N. D., Lafferty, K. D., Maxwell, et al
  2025; 31 (4): e70138

- **Considerations for using sharks as ocean observing platforms** *ICES JOURNAL OF MARINE SCIENCE*
  Wiernicki, C. J., Curtis, T. H., Block, B. A., Shivji, M. S., Vaudo, J. J., Wetherbee, B. M., Holland, K. N., Pinti, J., Oliver, M. J., Carlisle, A. B.
  2025; 82 (2)

- **Annual migrations, vertical habitat use and fidelity of Atlantic bluefin tuna tracked from waters off the United Kingdom.** *Scientific reports*
  Horton, T. W., Binney, F. C., Birch, S., Block, B. A., Exeter, O. M., Garzon, F., Plaster, A., Righton, D., van der Kooij, J., Witt, M. J., Hawkes, L. A.
  2025; 15 (1): 293

- **Non-invasive extraction of white shark swimming kinematics from unoccupied aircraft system (UAS) imagery** *WILDLIFE RESEARCH*
  DiGiacomo, A. E., Abraham, A., Block, B. A.

2025; 52 (7)

- **Seasonal patterns of adult and subadult white shark presence at coastal aggregation sites in central California** *WILDLIFE RESEARCH*
  Andrzejaczek, S., Chapple, T. K., Digiacomo, A. E., Jorgensen, S. J., Anderson, S. D., Castleton, M., Kanive, P. E., Reimer, T. E. J., White, T. D., Block, B. A.
  2025; 52 (5)
- **Lunar cycle effects on pelagic predators and fisheries: insights into tuna, billfish, sharks, and rays** *REVIEWS IN FISH BIOLOGY AND FISHERIES*
  Andrzejaczek, S., Digiacomo, A. E., Mikles, C. S., Pagniello, C. S., Reimer, T. E. J., Block, B. A.
  2024
- **First satellite track of a juvenile shortfin mako shark (Isurus oxyrinchus) in the Mediterranean Sea** *FRONTIERS IN MARINE SCIENCE*
  Shea, B. D., Chapple, T. K., Echwikhi, K., Gambardella, C., Jenrette, J. F., Moro, S., Schallert, R. J., Block, B. A., Ferretti, F.
  2024; 11
- **Author Correction: Docosahexaenoic acid (DHA) is a driving force regulating gene expression in bluefin tuna (Thunnus thynnus) larvae development.** *Scientific reports*
  Koven, W., Yanowski, E., Gardner, L., Nixon, O., Block, B.
  2024; 14 (1): 29970
- **High-resolution biologging of an Atlantic bluefin tuna captured and eaten by a supposed orca.** *Scientific reports*
  Rudd, J. L., Abel, G., Baringo, F., Birch, S., Block, B. A., Collins, M. A., de Stephanis, R., Exeter, O. M., Garzon, F., Guinet, C., Horton, T. W., Righton, D., van der Kooij, et al
  2024; 14 (1): 29352
- **On the tracks of white sharks in the Mediterranean Sea** *FRONTIERS IN MARINE SCIENCE*
  Ferretti, F., Shea, B. D., Gambardella, C., Jenrette, J. F., Moro, S., Echwikhi, K., Schallert, R. J., Gallagher, A. J., Block, B. A., Chapple, T. K.
  2024; 11
- **Docosahexaenoic acid (DHA) is a driving force regulating gene expression in bluefin tuna (Thunnus thynnus) larvae development.** *Scientific reports*
  Koven, W., Yanowski, E., Gardner, L., Nixon, O., Block, B.
  2024; 14 (1): 23191
- **A framework for optimising opportunistic collaborative syntheses to propel ecological conservation** *BIOLOGICAL CONSERVATION*
  Sequeira, A. M. M., Bates, A. E., Hays, G., Sims, D. W., Andrzejaczek, S., Audzijonyte, A., Baum, J. K., Beal, M., Block, B., Cinner, J., Cowley, K., Gilman, E., Gleason, et al
  2024; 298
- **Atlantic bluefin tuna tagged off Norway show extensive annual migrations, high site-fidelity and dynamic behaviour in the Atlantic Ocean and Mediterranean Sea.** *Proceedings. Biological sciences*
  Ferter, K., Pagniello, C. M., Block, B. A., Bjelland, O., Castleton, M. R., Tracey, S. R., Reimer, T. E., Sundelöf, A., Onandia, I., Wiech, M., Alemany, F., Nøttestad, L.
  2024; 291 (2032): 20241501
- **Numerical modelling of radionuclide uptake by bluefin tuna along its migration routes in the Mediterranean Sea after a nuclear accident.** *Marine environmental research*
  Cortés, C., Periáñez, R., Block, B. A., Castleton, M. R., Cermeño, P., Dedman, S.
  2024; 202: 106757
- **Environmental stress reduces shark residency to coral reefs.** *Communications biology*
  Williamson, M. J., Tebbs, E. J., Curnick, D. J., Ferretti, F., Carlisle, A. B., Chapple, T. K., Schallert, R. J., Tickler, D. M., Block, B. A., Jacoby, D. M.
  2024; 7 (1): 1018
- **Improving Ocean Management Using Insights from Space.** *Annual review of marine science*
  McCauley, D. J., Andrzejaczek, S., Block, B. A., Cavanaugh, K. C., Cubaynes, H. C., Hazen, E. L., Hu, C., Kroodsma, D., Li, J., Young, H. S.
  2024
- **Novel CTD tag establishes shark fins as ocean observing platforms.** *Scientific reports*
  Pagniello, C. M., Castleton, M. R., Carlisle, A. B., Chapple, T. K., Schallert, R. J., Fedak, M., Block, B. A.

2024; 14 (1): 13837

- **Seasonal variability of high-latitude foraging grounds for Atlantic bluefin tuna (Thunnus thynnus)** *DIVERSITY AND DISTRIBUTIONS*
  McNicholas, G. E., Jackson, A. L., Brodie, S., O'Neill, R., O'Maoileidigh, N., Drumm, A., Cooney, J., Maxwell, H., Block, B., Castleton, M., Schallert, R., Payne, N. L.
  2024
- **Global habitat predictions to inform spatiotemporal fisheries management: Initial steps within the framework** *MARINE POLICY*
  Bowlby, H. D., Druon, J., Lopez, J., Juan-Jorda, M., Carreon-Zapiain, M., Vandeperre, F., Leone, A., Finucci, B., Sabarros, P. S., Block, B. A., Arrizabalaga, H., Afonso, P., Musyl, et al
  2024; 164
- **Satellite tagging insights into the seasonal movements and behavior of Mediterranean spearfish (Tetrapturus belone, Istiophoridae)** *FRONTIERS IN MARINE SCIENCE*
  Malara, D., Battaglia, P., Arostegui, M. C., Dale, J. J., Block, B. A., Braun, C. D., Brogna, M., Greco, S., Romeo, T.
  2024; 11
- **Salmon shark seasonal site fidelity demonstrates the influence of scale on identifying potential high-use areas and vulnerabilities** *MARINE ECOLOGY PROGRESS SERIES*
  Arnoldi, N. S., Carlisle, A. B., Andrzejaczek, S., Castleton, M. R., Micheli, F., Schallert, R. J., White, T. D., Block, B. A.
  2024; 735: 125-140
- **Beyond boundaries: governance considerations for climate-driven habitat shifts of highly migratory marine species across jurisdictions** *NPJ OCEAN SUSTAINABILITY*
  Santos, B. S., Hazen, E. L., Welch, H., Lezama-Ochoa, N., Block, B. A., Costa, D. P., Shaffer, S. A., Crowder, L. B.
  2024; 3 (1)
- **Diverse habitats shape the movement ecology of a top marine predator, the white shark Carcharodon carcharias** *ECOSPHERE*
  Jewell, O. J. D., Chapple, T. K., Jorgensen, S. J., Kanive, P., Moxley, J. H., Tweedley, J. R., Anderson, S., Block, B. A., Gleiss, A. C.
  2024; 15 (4)
- **Maximising the value of transmitted data from PSATs tracking marine fish: a case study on Atlantic bluefin tuna (vol 12, 2, 2024)** *ANIMAL BIOTELEMETRY*
  Horton, T. W., Birch, S., Block, B. A., Hawkes, L. A., van der Kooij, J., Witt, M. J., Righton, D.
  2024; 12 (1)
- **Maximising the value of transmitted data from PSATs tracking marine fish: a case study on Atlantic bluefin tuna** *ANIMAL BIOTELEMETRY*
  Horton, T. W., Birch, S., Block, B. A., Hawkes, L. A., van der Kooij, J., Witt, M. J., Righton, D.
  2024; 12 (1)
- **Tagging of Atlantic bluefin tuna off Ireland reveals use of distinct oceanographic hotspots** *PROGRESS IN OCEANOGRAPHY*
  Pagniello, C. S., Maoileidigh, N., Maxwell, H., Castleton, M. R., Aalto, E. A., Dale, J. J., Schallert, R. J., Stokesbury, M. J. W., Cosgrove, R., Dedman, S., Drumm, A., 'Neill, R., Block, et al
  2023; 219
- **Linking vertical movements of large pelagic predators with distribution patterns of biomass in the open ocean.** *Proceedings of the National Academy of Sciences of the United States of America*
  Braun, C. D., Della Penna, A., Arostegui, M. C., Afonso, P., Berumen, M. L., Block, B. A., Brown, C. A., Fontes, J., Furtado, M., Gallagher, A. J., Gaube, P., Golet, W. J., Kneebone, et al
  2023; 120 (47): e2306357120
- **Environmental DNA helps reveal reef shark distribution across a remote archipelago** *ECOLOGICAL INDICATORS*
  Dunn, N., Curnick, D. J., Carbone, C., Carlisle, A. B., Chapple, T. K., Dowell, R., Ferretti, F., Jacoby, D. M. P., Schallert, R. J., Steyaert, M., Tickler, D. M., Williamson, M. J., Block, et al
  2023; 154
- **Impacts of marine heatwaves on top predator distributions are variable but predictable.** *Nature communications*
  Welch, H., Savoca, M. S., Brodie, S., Jacox, M. G., Muhling, B. A., Clay, T. A., Cimino, M. A., Benson, S. R., Block, B. A., Conners, M. G., Costa, D. P., Jordan, F. D., Leising, et al
  2023; 14 (1): 5188

- **Pop-up archival tags reveal environmental influences on the vertical movements of silvertip sharks Carcharhinus albimarginatus** *MARINE ECOLOGY PROGRESS SERIES*
  Tickler, D. M., Carlisle, A. B., Meeuwig, J. J., Chapple, T. K., Curnick, D. J., Dale, J. J., Castleton, M. J., Schallert, R. J., Block, B. A.
  2023; 717: 85-105

- **Connectivity between white shark populations off Central California, USA and Guadalupe Island, Mexico** *FRONTIERS IN MARINE SCIENCE*
  Kanive, P. E., Rotella, J. J., Chapple, T. K., Anderson, S. D., Hoyos-Padilla, M., Klimley, A., Galvan-Magana, F., Andrzejaczek, S., Block, B. A., Jorgensen, S. J.
  2023; 10

- **Seasonal and diel habitat use of blue marlin Makaira nigricans in the North Atlantic Ocean** *ICES JOURNAL OF MARINE SCIENCE*
  Andrzejaczek, S., Mikles, C. S., Dale, J. J., Castleton, M., Block, B. A.
  2023

- **Evidence of bluefin tuna (Thunnus thynnus) spawning in the Slope Sea region of the Northwest Atlantic from electronic tags** *ICES JOURNAL OF MARINE SCIENCE*
  Aalto, E. A., Dedman, S., Stokesbury, M. J. W., Schallert, R. J., Castleton, M., Block, B. A.
  2023

- **Using pseudo-absence models to test for environmental selection in marine movement ecology: the importance of sample size and selection strength.** *Movement ecology*
  Pinti, J., Shatley, M., Carlisle, A., Block, B. A., Oliver, M. J.
  2022; 10 (1): 60

- **Informing Management of Atlantic Bluefin Tuna Using Telemetry Data** *FRONTIERS IN MARINE SCIENCE*
  Whitlock, R., Schallert, R. J., Stokesbury, M. J. W., Castleton, M., Block, B. A.
  2022; 9

- **Biological Earth observation with animal sensors (vol 37, pg 293, 2022)** *TRENDS IN ECOLOGY & EVOLUTION*
  Jetz, W., Tertitski, G., Kays, R., Mueller, U., Wikelski, M., Akesson, S., Anisimov, Y., Antonov, A., Arnold, W., Bairlein, F., Balta, O., Baum, D., Beck, et al
  2022; 37 (8): 719-724

- **Global-Scale Environmental Niche and Habitat of Blue Shark (Prionace glauca) by Size and Sex: A Pivotal Step to Improving Stock Management** *FRONTIERS IN MARINE SCIENCE*
  Druon, J., Campana, S., Vandeperre, F., Hazin, F. H. V., Bowlby, H., Coelho, R., Queiroz, N., Serena, F., Abascal, F., Damalas, D., Musyl, M., Lopez, J., Block, et al
  2022; 9

- **Movescapes and eco-evolutionary movement strategies in marine fish: Assessing a connectivity hotspot** *FISH AND FISHERIES*
  Lowerre-Barbieri, S. K., Friess, C., Griffin, L. P., Morley, D., Skomal, G. B., Bickford, J. W., Hammerschlag, N., Rider, M. J., Smukall, M. J., van Zinnicq Bergmann, M. P. M., Guttridge, T. L., Kroetz, A. M., Grubbs, et al
  2021

- **Natal origin and age-specific egress of Pacific bluefin tuna from coastal nurseries revealed with geochemical markers.** *Scientific reports*
  Rooker, J. R., Wells, R. J., Block, B. A., Liu, H., Baumann, H., Chiang, W., Sluis, M. Z., Miller, N. R., Mohan, J. A., Ohshimo, S., Tanaka, Y., Dance, M. A., Dewar, et al
  2021; 11 (1): 14216

- **Estimates of regional annual abundance and population growth rates of white sharks off central California** *BIOLOGICAL CONSERVATION*
  Kanive, P. E., Rotella, J. J., Chapple, T. K., Anderson, S. D., White, T. D., Block, B. A., Jorgensen, S. J.
  2021; 257

- **Behavior and Ecology of Silky Sharks Around the Chagos Archipelago and Evidence of Indian Ocean Wide Movement** *FRONTIERS IN MARINE SCIENCE*
  Curnick, D. J., Andrzejaczek, S., Jacoby, D. M. P., Coffey, D. M., Carlisle, A. B., Chapple, T. K., Ferretti, F., Schallert, R. J., White, T., Block, B. A., Koldewey, H. J., Collen, B.
  2020; 7

- **The Twilight Zone as a Major Foraging Habitat and Mercury Source for the Great White Shark.** *Environmental science & technology*

Le Croizier, G., Lorrain, A., Sonke, J. E., Hoyos-Padilla, E. M., Galvan-Magana, F., Santana-Morales, O., Aquino-Baleyto, M., Becerril-Garcia, E. E., Muntaner-Lopez, G., Ketchum, J., Block, B., Carlisle, A., Jorgensen, et al
2020

- **Tracking Atlantic bluefin tuna from foraging grounds off the west coast of Ireland** *ICES JOURNAL OF MARINE SCIENCE*
  Horton, T. W., Block, B. A., Drumm, A., Hawkes, L. A., O'Cuaig, M., Maoileidigh, N. O., O'Neill, R., Schallert, R. J., Stokesbury, M. J. W., Witt, M. J.
  2020; 77 (6): 2066–77

- **A review of a decade of lessons from one of the world's largest MPAs: conservation gains and key challenges** *MARINE BIOLOGY*
  Hays, G. C., Koldewey, H. J., Andrzejaczek, S., Attrill, M. J., Barley, S., Bayley, D. T. I., Benkwitt, C. E., Block, B., Schallert, R. J., Carlisle, A. B., Carr, P., Chapple, T. K., Collins, et al
  2020; 167 (11)

- **Mitochondrial genome of the silky sharkCarcharhinus falciformisfrom the British Indian Ocean Territory Marine Protected Area** *MITOCHONDRIAL DNA PART B-RESOURCES*
  Johri, S., Chapple, T. K., Dinsdale, E. A., Robert, S., Block, B. A.
  2020; 5 (3): 2416–17

- **Mitochondrial genome of the Silvertip shark, Carcharhinus albimarginatus, from the British Indian Ocean Territory** *MITOCHONDRIAL DNA PART B-RESOURCES*
  Johri, S., Dunn, N., Chapple, T. K., Curnick, D., Savolainen, V., Dinsdale, E. A., Block, B. A.
  2020; 5 (3): 2085–86

- **Mitochondrial genome of the silky shark Carcharhinus falciformis from the British Indian Ocean Territory Marine Protected Area.** *Mitochondrial DNA. Part B, Resources*
  Johri, S., Chapple, T. K., Dinsdale, E. A., Schallert, R., Block, B. A.
  2020; 5 (3): 2416-2417

- **Complete mitochondrial genome of the whitetip reef shark Triaenodon obesus from the British Indian Ocean Territory Marine Protected Area.** *Mitochondrial DNA. Part B, Resources*
  Johri, S., Chapple, T. K., Schallert, R., Dinsdale, E. A., Block, B. A.
  2020; 5 (3): 2347-2349

- **Complete mitochondrial genome of the gray reef shark, Carcharhinus amblyrhynchos (Carcharhiniformes: Carcharhinidae).** *Mitochondrial DNA. Part B, Resources*
  Dunn, N., Johri, S., Curnick, D., Carbone, C., Dinsdale, E. A., Chapple, T. K., Block, B. A., Savolainen, V.
  2020; 5 (3): 2080-2082

- **Shark fin trade bans and sustainable shark fisheries** *CONSERVATION LETTERS*
  Ferretti, F., Jacoby, D. M. P., Pfleger, M. O., White, T. D., Dent, F., Micheli, F., Rosenberg, A. A., Crowder, L. B., Block, B. A.
  2020

- **Abundance and distribution of the white shark in the Mediterranean Sea** *FISH AND FISHERIES*
  Moro, S., Jona-Lasinio, G., Block, B., Micheli, F., De Leo, G., Serena, F., Bottaro, M., Scacco, U., Ferretti, F.
  2019

- **Size-specific apparent survival rate estimates of white sharks using mark-recapture models** *CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES*
  Kanive, P. E., Rotella, J. J., Jorgensen, S. J., Chapple, T. K., Hines, J. E., Anderson, S. D., Block, B. A.
  2019; 76 (11): 2027–34

- **Cardiac remodeling in response to embryonic crude oil exposure involves unconventional NKX family members and innate immunity genes.** *The Journal of experimental biology*
  Gardner, L. D., Peck, K. A., Goetz, G. W., Linbo, T. L., Cameron, J., Scholz, N. L., Block, B. A., Incardona, J. P.
  2019

- **The importance of migratory connectivity for global ocean policy.** *Proceedings. Biological sciences*
  Dunn, D. C., Harrison, A., Curtice, C., DeLand, S., Donnelly, B., Fujioka, E., Heywood, E., Kot, C. Y., Poulin, S., Whitten, M., Akesson, S., Alberini, A., Appeltans, et al
  2019; 286 (1911): 20191472

- **A rapid environmental DNA method for detecting white sharks in the open ocean** *METHODS IN ECOLOGY AND EVOLUTION*
  Truelove, N. K., Andruszkiewicz, E. A., Block, B. A.
  2019; 10 (8): 1128–35

- **Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit** *FRONTIERS IN MARINE SCIENCE*
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