

Ian Alexander Bouyoucos (he/him), PhD

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Citizenship: American • Residence: Canada (Permanent Resident) • Languages: English, French

Research interests

I am a fish biologist with a keen interest in the physiological and behavioural ecology of threatened fishes (e.g., sharks, sturgeon, and salmonids) in the context of environmental stressors and conservation issues.

Professional experience

- Apr 2026 – present **Postdoctoral fellow**, University of British Columbia, Canada
Supervisors: Dr. Benjamin J. Matthews, Dr. Andrea Y. Frommel, Dr. Patricia M. Schulte, and Dr. Colin J. Brauner
Project: Smell steers the salmon: bringing Pacific salmon home in BC using cutting-edge olfactory analysis
- Nov 2023 – Mar 2026 **Postdoctoral fellow**, University of British Columbia, Canada
Supervisors: Dr. Colin J. Brauner, Dr. Benjamin J. Matthews, and Dr. Duncan B. Leitch
Project: Investigation of water acidification and habitat on imprinting and homing in Pacific salmon
- Nov 2020 – Oct 2023 **Postdoctoral fellow**, University of Manitoba, Canada
Supervisor: Dr. W. Gary Anderson
Project: Functional evolution of stress in ancient fishes
- Jul 2013 – Aug 2014 **Research assistant**, Cape Eleuthera Institute, The Bahamas

Education

- Oct 2016 – Oct 2020 **PhD** (*Co-tutelle*: Natural & Physical Sciences/Biologie des populations, génétique et éco-éthologie), James Cook University, Australia and École Pratique des Hautes Études, France
Supervisors: Dr. Jodie L. Rummer, Dr. Colin A. Simpfendorfer, and Dr. Serge Planes
Dissertation: Ecological energetics of climate change for tropical sharks
- Aug 2014 – Aug 2016 **MSc** (Natural Resources & Environmental Sciences), University of Illinois at Urbana-Champaign, USA
Supervisors: Dr. Cory D. Suski, Dr. John W. Mandelman, and Dr. Edward J. Brooks
Thesis: Aerobic and anaerobic activity metabolism of an elasmobranch
- Sep 2009 – Dec 2012 **BSc** (Ecology & Evolutionary Biology), University of Michigan, USA

Invited book chapters

3. Schoen, A. N., Anderson, W. G., & **Bouyoucos, I. A.** (2024) Endocrine stress axis and regulation of energy metabolism in Chondrichthyes. In Alderman, S. L. & Gillis, T. E. (Eds.), *Encyclopedia of Fish Physiology* (pp. 344-356), Second Edition. Elsevier.
2. Rummer, J. L., **Bouyoucos, I. A.**, Wheeler, C., Santos, C. P., & Rosa, R. (2022) Climate Change and Sharks. Chapter 25 in Carrier, J.C., Simpfendorfer, C.A., Heithaus, M.R., & Yopak, K.E. (Eds.), *Biology of Sharks and their Relatives* (pp. 767-793), Third Edition. CRC Press.
1. **Bouyoucos, I. A.** & Rummer, J. L. (2021). Improving “shark park” protections under threat from climate change using the conservation physiology toolbox. In Madliger, C. L., Franklin, C. E., Love O. P., & Cooke, S. J. (Eds.), *Conservation Physiology: Applications for wildlife conservation and management* (pp. 185-204), Oxford University Press.

Peer-reviewed publications

50. Shaughnessy, C. A., Kuhn, E. E., **Bouyoucos, I. A.**, Anderson, W. G., & Dores, R. M. (2026). Promiscuous melanocortin receptors in hagfish indicate that receptor function preceded peptide specialization. *General and Comparative Endocrinology*, 379, 114910.
49. Trujillo, J. E., **Bouyoucos, I. A.**, Weideli, O., Milanesi, E. M. C., Debaere, S., Rayment, W. J., Planes, S., Domenici, P., Rummer, J. L., & Allan, B. J. M. (2025). Safety in the shallows: nearshore coastal habitats can provide physical and thermal features that optimize escape performance in newborn blacktip reef sharks (*Carcharhinus melanopterus*). *Conservation Physiology*, 13, coaf045.
48. Debaere, S. F., Weideli, O. C., Daly, R., Milanesi, E. M. C., Trujillo, J. E., **Bouyoucos, I. A.**, Mourier, J., Chin A., Planes, S., De Boeck, G., & Rummer, J. L. (2025). The costs and healing rates of minor injuries in neonatal reef sharks. *Journal of Fish Biology*, 106, 1777-1788.
47. McInturf, A. G., Cantor, M., **Bouyoucos, I. A.**, Chapple, T. K., Debaere, S. F., Eustache, K., Mourier, J., Planes, S., Sulikowski, J. A., Zillig, K. W., Fangue, N. A., & Rummer, J. (2025). Catch data can unravel elasmobranch aggregation dynamics and group behaviours. *Ecology and Evolution*, 15, e71107.
46. Weinrauch, A., Kwan G. T., Giacomini, M., **Bouyoucos, I. A.**, Tresguerres, M., & Goss, G. G. (2025). Evolutionary insights into gut acidification: invertebrate-like mechanisms in the basal vertebrate hagfish. *Journal of Experimental Biology*, 228, jeb.249641
45. **Bouyoucos, I. A.**, Weinrauch, A. M., Eastham, T. M., Eori, L., Macpherson, J., Porter, D., Schoen, A. N., Wahl, R. C., & Anderson, W. G. (2025). Physiological assessment of the effects of experimental capture and transport in Pacific spiny dogfish. *Canadian Journal of Fisheries and Aquatic Sciences*, 80, 1-11.
44. Edwards, E., **Bouyoucos, I. A.**, Hasler, C. T., Fry, M., & Anderson, W. G. (2024). Effect of L-alanine exposure during early life stage on olfactory development, growth and survival in age-0 lake sturgeon *Acipenser fulvescens*. *Conservation Physiology*, 12, coae084.
43. **Bouyoucos, I. A.**, Simpfendorfer, C. A., Schwieterman, G. D., Eustache, K. B., Thiault, L., Planes, S., & Rummer, J. L. (2024). No effects of abiotic and anthropogenic factors on reef shark neonate abundance within a shark nursery area system. *Marine and Freshwater Research*, 75, MF24080.
42. Higgins, E., **Bouyoucos, I. A.**, Downie, A. T., Illing, B., Martins, A. P. B., Simpfendorfer, C. A., & Rummer, J. L. (2024). How hot is too hot? Thermal tolerance, performance, and preference in juvenile mangrove whiprays, *Urogymnus granulatus*. *Journal of Thermal Biology*, 124, 103943.
41. Debaere, S. F., Weideli, O. C., **Bouyoucos, I. A.**, Planes, S., De Boeck, G., & Rummer, J. L. (2024). The lunar cycle does not influence catch rates or foraging success of neonatal reef sharks in an amphidromic nursery system. *Coral Reefs*, 43, 1249-1258.
40. Schoen, A. S., Weinrauch, A. M., **Bouyoucos, I. A.**, Treberg, J. R., & Anderson, W. G. (2024). Hormonal effects on glucose and ketone metabolism in a perfused liver of an elasmobranch, the North Pacific spiny dogfish, *Squalus suckleyi*. *General and Comparative Endocrinology*, 352, 114514.
39. Weinrauch, A. M., **Bouyoucos, I. A.**, Conlon, J. M., & Anderson, W. G. (2024). Glucagon-like peptide regulates hepatic ketone metabolism in the Pacific spiny dogfish *Squalus suckleyi*. *General and Comparative Endocrinology*, 350, 114470.
38. Edwards, T., **Bouyoucos, I. A.**, Hasler, C. T., Fry, M., & Anderson, W. G. (2024) Understanding olfactory and behavioural responses to dietary cues in age-1 lake sturgeon *Acipenser fulvescens*. *Comparative Biochemistry and Physiology Part A*, 288, 111560.

37. Schoen, A., Weinrauch, A., **Bouyoucos, I.**, & Anderson, W. (2023). An adapted liver perfusion in a shark species, *Squalus suckleyi*: investigation of energy mobilization. *American Journal of Physiology – Regulatory, Integrative, and Comparative Physiology*, 325, R534-R545.
36. **Bouyoucos, I. A.**, Weinrauch, A. M., Jeffries, K. M., & Anderson, W. G. (2023). Physiological responses to acute warming at the agitation temperature in a temperate shark. *Journal of Experimental Biology*, 226, jeb246304.¹
35. Eustache, K. B., Boissin, E., **Bouyoucos, I. A.**, Rummer, J. L., Tardy, C., & Planes, S. (2023). Genetic evidence for plastic reproductive philopatry and matrotrophy in blacktip reef sharks (*Carcharhinus melanopterus*) of the Moorea Island (French Polynesia). *Scientific Reports*, 13, 14913.
34. Yoon, G. R., Thorstensen, M. T., Bugg, W. S., **Bouyoucos, I. A.**, Deslauriers, D., & Anderson, W. G. (2023). Comparison of metabolic rate between two genetically distinct populations of lake sturgeon. *Ecology and Evolution*, 13, e10470.
33. **Bouyoucos, I. A.**, Shaughnessy, C. A., Anderson, W. G., & Does, R. M. (2023). Molecular and pharmacological analysis of the melanocortin-2 receptor and its accessory proteins Mrap1 and Mrap2 in a Squalomorph shark, the Pacific spiny dogfish. *General and Comparative Endocrinology*, 342, 114342.
32. Debaere, S. F., Weideli, O. C., **Bouyoucos, I. A.**, Eustache, K. B., Trujillo, J. E., De Boeck, G., Planes, S. & Rummer, J. L. (2023). Quantifying changes in umbilicus size to estimate the relative age of neonatal blacktip reef sharks (*Carcharhinus melanopterus*). *Conservation Physiology*, 11, coad028.
31. Weinrauch, A. M., **Bouyoucos, I. A.**, & Anderson, W. G. (2023). Exogenous triiodothyronine application increases survivorship in larval lake sturgeon (*Acipenser fulvescens*): molecular and endocrine regulation of appetite, growth, and stress axes. *Aquaculture*, 571, 739454.
30. Lowes, H. M., Weinrauch, A. M., **Bouyoucos, I. A.**, Griffin, R. A., Kononovs, D., Alessi, D. S., & Blewett, T. A. (2023). Copper exposure does not alter the ability of intertidal sea cucumber *Cucumaria miniata* to tolerate emersion during low tide. *Science of the Total Environment*, 872, 162085.
29. Trujillo, J. E., **Bouyoucos, I. A.**, Rayment, W. J., Domenici, P., Planes, S., Rummer, J. L. & Allan, B. J. M. (2022). Escape response kinematics in two species of tropical sharks: short escape latencies and high turning performance. *Journal of Experimental Biology*, 225, jeb243973.
28. Talwar, B. S., Bradley, D., Berry C., Bond, M. E., **Bouyoucos, I. A.**, ..., & Brooks, E. J. (2022). Estimated life history traits and movements of the Caribbean reef shark (*Carcharhinus perezii*) in The Bahamas based on tag-recapture data. *Marine Biology*, 169, 55.
27. **Bouyoucos, I. A.**, Simpfendorfer, C. A., Planes, S., Schwieterman, G. D., Weideli, O. C., & Rummer, J. L. (2022). Thermally insensitive physiological performance allows neonatal sharks to use coastal habitats as nursery areas. *Marine Ecology Progress Series*, 682, 137-152.
26. Yoon, G. R., Laluk, A., **Bouyoucos, I. A.**, & Anderson, W. G. (2022). Effects of dietary shifts on ontogenetic development of metabolic rates in age-0 lake sturgeon *Acipenser fulvescens*. *Physiological and Biochemical Zoology*, 95, 135-151.
25. Santos, C. P., Sampaio, E., Pereira, B., Pegado, M. R., Borges, F. O., Wheeler, C., **Bouyoucos, I.**, Rummer J., Santos, C. F., & Rosa, R. (2021). Elasmobranch responses to experimental warming, acidification, and oxygen loss – a meta-analysis. *Frontiers in Marine Science*, 8, 735377.

¹ *Journal of Experimental Biology* Editor's Choice for November 2023.

24. Schoen, A. N., **Bouyoucos, I. A.**, Anderson, W. G., Wheaton, C. J., Planes, S., Mylniczenko, N. D., & Rummer, J. L. (2021). Simulated heatwave and fishing stressors alter corticosteroid and energy balance in neonate blacktip reef sharks, *Carcharhinus melanopterus*. *Conservation Physiology*, 9, coab067.
23. **Bouyoucos, I. A.**, Schoen, A. N., Wahl, R. C., & Anderson, W. G. (2021). Ancient fishes and the functional evolution of the corticosteroid stress response in vertebrates. *Comparative Biochemistry and Physiology Part A*, 260, 11024.
22. Schwieterman, G. D., Rummer, J. L., **Bouyoucos, I. A.**, Bushnell, P. G., & Brill, R. W. (2021). A lack of red blood cell swelling in five elasmobranch fishes following air exposure and exhaustive exercise. *Comparative Biochemistry and Physiology Part A*, 258, 110978.
21. **Bouyoucos, I. A.**, Trujillo, J. E., Weideli, O. C., Nakamura, N., Mourier, J., Planes, S., Simpfendorfer, C. A., & Rummer, J. L. (2021). Investigating links between thermal tolerance and oxygen supply capacity in shark neonates from a hyperoxic tropical habitat. *Science of the Total Environment*, 782, 146854.
20. Talwar, B. S., **Bouyoucos, I. A.**, Brooks, E. J., Brownscombe, J. W., Suski, C. D., Cooke, S. J., Grubbs, R. D., & Mandelman, J. W. (2020). Variation in behavioural responses of sub-tropical marine fishes to experimental longline capture. *ICES Journal of Marine Science*, 77, 2763-2775.
19. **Bouyoucos, I. A.**, Watson, S.-A., Planes, S., Simpfendorfer, C. A., Schwieterman, G. D., Whitney, N. M., & Rumer, J. L. (2020). The power struggle: Assessing interacting global change stressors via experimental studies on sharks. *Scientific Reports*, 10, 19887.
18. Rummer, J. L., **Bouyoucos, I. A.**, Mourier, J., Nakamura, N., & Planes, S. (2020). Response of a coral reef shark acutely exposed to ocean acidification conditions. *Coral Reefs*, 39, 1215-1220.
17. **Bouyoucos, I. A.**, Romain, M., Azoulai, L., Eustache, K., Mourier, J., Rummer, J. L., & Planes S. (2020). Home range of newborn blacktip reef sharks (*Carcharhinus melanopterus*), as estimated using mark-recapture and acoustic telemetry. *Coral Reefs*, 39, 1209-1214.
16. **Bouyoucos, I. A.**, Morrison, P. R., Weideli, O. C., Jacquesson, E., Planes, S., Simpfendorfer, C. A., Brauner, C. J., & Rummer, J. L. (2020). Thermal tolerance and hypoxia tolerance are associated in blacktip reef shark (*Carcharhinus melanopterus*) neonates. *Journal of Experimental Biology*, 223, jeb221937.
15. **Bouyoucos, I. A.**, Shipley, O. N., Jones, E., Brooks, E. J., & Mandelman, J. W. (2020). Wound healing in an elasmobranch fish is not impaired by high-CO₂ exposure. *Journal of Fish Biology*, 96, 1508-1511.
14. Schwieterman, G. D., **Bouyoucos, I. A.**, Potgieter, K., Simpfendorfer, C. A., Brill, R. W., & Rummer, J. L. (2019). Analyzing tropical elasmobranch blood samples in the field: Blood stability during storage and validation of the HemoCue® haemoglobin analyzer. *Conservation Physiology*, 7, cozo81.
13. Weideli, O. C., **Bouyoucos, I. A.**, Papastamatiou, Y. P., Mescam, G., Rummer, J. L., Planes, S. (2019). Same species, different prerequisites: investigating body condition and foraging success in young reef sharks between an atoll and an island system. *Scientific Reports*, 9, 13447.
12. **Bouyoucos, I. A.**, Simpfendorfer, C. A., & Rummer, J. L. (2019). Estimating oxygen uptake rates to understand stress in sharks and rays. *Reviews in Fish Biology and Fisheries*, 29, 297-311.
11. Ward, C. R. E., **Bouyoucos, I. A.**, Brooks, E. J., & O'Shea, O. R. (2019). Novel attachment methods for assessing activity patterns using triaxial accelerometers on stingrays in The Bahamas. *Marine Biology*, 166, 53.
10. Sloman, K. A., **Bouyoucos, I. A.**, Brooks, E. J., & Sneddon, L. U. (2019). Ethical Considerations in Fish Research. *Journal of Fish Biology*, 94, 556-577.

9. **Bouyoucos, I. A.**, Talwar, B. S., Brooks, E. J., Brownscombe, J. W., Cooke, S. J., Suski, C. D., & Mandelman, J. W. (2018). Exercise intensity while hooked is associated with physiological status of longline-captured sharks. *Conservation Physiology*, 6, coy074.
8. **Bouyoucos, I. A.**, Weideli, O. C., Planes, S., Simpfendorfer, C. A., & Rummer, J. L. (2018). Dead tired: evaluating the physiological status and survival of neonatal reef sharks under stress. *Conservation Physiology*, 6, coy053.
7. **Bouyoucos, I. A.**, Suski, C. D., Mandelman, J. W., & Brooks, E. J. (2018). *In situ* swimming behaviors and oxygen consumption rates of juvenile lemon sharks (*Negaprion brevirostris*). *Environmental Biology of Fishes*, 101, 761-773.
6. Hasler, C. T., **Bouyoucos, I. A.**, & Suski, C. D. (2017). Tolerance to hypercarbia is repeatable and related to a component of the metabolic phenotype in a freshwater fish. *Physiological and Biochemical Zoology*, 90, 583-587.
5. **Bouyoucos, I. A.**, Suski, C. D., Mandelman, J. W., & Brooks, E. J. (2017). Effect of weight and frontal area of external telemetry packages on the kinematics, activity levels, and swimming performance of small-bodied sharks. *Journal of Fish Biology*, 90, 2097-2110.
4. Talwar, B., **Bouyoucos, I. A.**, Shipley, O., Rummer, J. L., Mandelman, J. W., Brooks, E. J., & Grubbs, R. D. (2017). Validation of a portable, waterproof blood pH analyzer for elasmobranchs. *Conservation Physiology*, 5, cox012.
3. **Bouyoucos, I. A.**, Suski, C. D., Mandelman, J. W., & Brooks, E. J. (2017). The energetic, physiological, and behavioral response of lemon sharks (*Negaprion brevirostris*) to simulated longline capture. *Comparative Biochemistry and Physiology Part A*, 207, 65-72.
2. **Bouyoucos, I. A.**, Montgomery, D. W., Brownscombe, J. W., Cooke, S. J., Suski, C. D., Mandelman, J. W., & Brooks, E. J. (2017). Swimming speeds and metabolic rates of semi-captive juvenile lemon sharks (*Negaprion brevirostris*, Poey) estimated with acceleration biologgers. *Journal of Experimental Marine Biology and Ecology*, 486, 245–254.
1. **Bouyoucos, I.**, Bushnell, P., & Brill, R. (2014). Potential for electropositive metal to reduce the interactions of Atlantic sturgeon with fishing gear. *Conservation Biology*, 28, 278–282.

Manuscripts submitted for peer review

2. Shaughnessey, C. A., Yamaguchi, Y., Kuhn, E. E., **Bouyoucos, I. A.**, Goss, G. G., & Does, R. M. (*In review*). A non-opioid melanocortin precursor in jawless vertebrates. *Current Biology*.
1. Weinrauch, A. W., **Bouyoucos, I. A.**, & Anderson, W. G. (*In review*). Evidence for cortisol production in a shark. *Proceedings of the Royal Society B*. RSPB-2025-1498

Non-peer-reviewed publications

2. **Bouyoucos, I. A.** (2024). Blubber biopsy biomarkers for baleen whales. *Conservation Physiology*, 12, coae080.
1. **Bouyoucos, I. A.** (2021). Walking sharks cannot beat the heat. *Conservation Physiology*, 9, coab035.

Teaching

- 2026: Guest lecturer, Comparative Animal Physiology (BIOL 454), University of British Columbia
- 2025: Guest lecturer, Comparative Cardiovascular, Respiratory and Osmoregulatory Physiology (BIOL 364), University of British Columbia
- 2024: Guest lecturer, Comparative Animal Physiology (BIOL 454), University of British Columbia
- 2023: Guest lecturer, Introduction to Toxicology (BIOL 2380), University of Manitoba
- 2023: Guest lecturer, Ecological Animal Physiology (BIOL 4601), University of Winnipeg
- 2022: Guest lecturer, Introduction to Toxicology (BIOL 2380), University of Manitoba
- 2022: Co-instructor, Special Topics in Biology (BIOL 4890), University of Manitoba
- 2021: Guest lecturer, Comparative Vertebrate Anatomy (BIO 420), McKendree University

2021: Guest lecturer, Introduction to Toxicology (BIOL 2380), University of Manitoba
 2021: Guest lecturer, Special Topics in Marine Science (MSMS 6350), Nova Southeastern University
 2020: Guest lecturer, Fish Biology and Conservation (BIO 335), McKendree University
 2018: Guest lecturer, Ichthyology (BIOL 4112), University of Winnipeg
 2013-2015: Student teacher, Applied Scientific Research, Cape Eleuthera Island School

Student mentoring

2025-present: Seungyeon Lee (PhD student), University of British Columbia, Canada
 2025-present: Parker Sutherland (summer undergraduate student), University of British Columbia, Canada
 2024-present: Ralitzia Sevova (MSc student), University of British Columbia, Canada
 2024-present: Eric Reich (MSc student), University of British Columbia, Canada
 2024-2025: Finn Carlson (summer undergraduate student), University of British Columbia, Canada
 2022: Liam Eori (summer undergraduate student), University of Manitoba, Canada
 2021-2022: Ryan Wahl (BSc honour's student), University of Manitoba, Canada
 2020-2022: Tyler Edwards (MSc student), University of Manitoba, Canada
 2020: Madeline DeSisto (BSc student), School of International Training, USA
 2018-2019: Kim Eustache (MSc student), École Pratique des Hautes Études, France
 2017-2018: Emily Higgins (BSc honour's student), James Cook University, Australia
 2016-2017: Kristy Potgieter (BSc honour's student), James Cook University, Australia
 2016-2017: Eva Jacquesson (MSc student), École Pratique des Hautes Études, France
 2014: Amelia Cody (BSc honour's student), University of Newcastle upon Tyne, UK
 2013: Daniel Montgomery (BSc honour's student), University of Newcastle upon Tyne, UK

Grants and awards

2026: Canadian Society of Zoologists PDF Travel Award	500 CAD
2026: Canadian Society of Zoologists Travel Grant	300 CAD
2024: Canadian Society of Zoologists Travel Grant	200 CAD
2022: Company of Biologists Travelling Fellowship	2,100 GBP
2019: Company of Biologists Travel Award, SEB Seville	500 GBP
2018: Society for Experimental Biology Travel Award, SEB Florence	400 GBP
2018: ARC CoE David Yellowlees Excellence in Research Award	1,900 AUD
2017: Europcar Prix 2017 pour la Recherche Bio-Marine	1,000 USD
2017: British Ecological Society Travel Award, IPFC Tahiti	100 GBP
2017: Passions of Paradise/Oceania Chondrichthyan Society Research Award	3,000 AUD
2017: Company of Biologists Travelling Fellowship	2,100 GBP
2017: ARC CoE Higher Degree Research Enhancement Scheme	2,500 AUD
2017: James Cook University Postgraduate Research Scholarship	85,400 AUD
2016: ARC CoE PhD Scholarship	6,600 AUD
2014: University of Illinois Departmental Research Assistantship	45,300 USD
2014: Cape Eleuthera Institute Award for Excellence in Research	2,500 USD
Total:	160,700 CAD

Academic service

Journal referee (171 reviews for 51 journals): *Afr J Mar Sci* · *Animals* · *Anim Biotelemetry* · *Biol Lett* · *Can J Fish Aquat Sci* · *Can J Zool* · *Commun Biol* · *Comp Biochem Physiol A* · *Comp Biochem Physiol B* · *Conserv Physiol* · *Curr Zool* · *Ecol Evol* · *Ecol Freshw Fish* · *Endanger Species Res* · *Environ Biol Fishes* · *FACETS* · *Fishes* · *Fish Physiol Biochem* · *Fish Res* · *Front Mar Sci* · *Gen Comp Endocrinol* · *Glob Ecol Conserv* · *ICES J Mar Sci* · *J Anim Ecol* · *J Appl Ichthyol* · *J Comp Physiol B* · *J Exp Biol* · *J Exp Mar Biol Ecol* · *J Exp Zool A* · *J Fish Biol* · *J Hered* · *J Mar Sci Eng* · *J Therm Biol* · *Mar Biol* · *Mar Ecol Prog Ser* · *Mar Freshw Behav Physiol* · *Mar Freshw Res* · *Mar Pollut Bull* · *Nat Clim Chang* · *Neotrop Ichthyol* · *Oecologia* · *Physiol Biochem Zool* · *PLoS One* · *Pac Conserv Biol* · *Proc R Soc B* · *Reg Stud Mar Sci* · *Rev Fish Biol Fish* · *Sci Rep* · *Sci Total Environ* · *Trans Am Fish Soc*

Conferences

- 2026: 16th International Congress on the Biology of Fishes (Ann Arbor, USA), session organizer of *Ancient Fishes in Comparative Physiology: Agnathan and Chondrichthyan Fishes* (co-organizers: A. M. Weinrauch & W. G. Anderson)
- 2024: 15th International Congress on the Biology of Fishes (Ann Arbor, USA), session organizer of *Ancient Fishes in Comparative Physiology: Agnathan and Chondrichthyan Fishes* (co-organizers: S. L. Edwards, A. M. Weinrauch, & W. G. Anderson)
- 2024: Canadian Society of Zoologists 63rd Annual Meeting (Moncton, Canada), session chair
- 2022: Canadian Society of Zoologists 61st Annual Meeting (virtual), session chair

Department service

Floor warden (2025-present), Department of Zoology, University of British Columbia

Invited talks and seminars

- 2026: Salmonid Enhancement Program, Fish Health & Hatchery Biology Seminar Series (virtual)
- 2023: Shark Conservation Fund Advisory Board Meeting (virtual)
- 2023: Department of Zoology, University of British Columbia
- 2023: Department of Biological Sciences, University of Alberta
- 2021: Department of Biology, University of Winnipeg (virtual)

Conference attendance as presenting author

- 2024: 15th International Congress on the Biology of Fishes (Ann Arbor, USA), oral presentation
- 2024: Canadian Society of Zoologists 63rd Annual Meeting (Moncton, Canada), oral and poster presentation
- 2023: Canadian Society of Zoologists 62nd Annual Meeting (Saskatoon, Canada), oral presentation
- 2022: 14th International Congress on the Biology of Fishes (Montpellier, France), oral presentation
- 2022: Canadian Society of Zoologists 61st Annual Meeting (virtual), oral presentation
- 2021: North American Sturgeon and Paddlefish Society (virtual), oral presentation
- 2021: Society for Experimental Biology Annual Meeting (virtual), oral presentation
- 2021: Canadian Society of Zoologists 60th Annual Meeting (virtual), oral presentation
- 2019: Society for Experimental Biology Annual Meeting (Seville, Spain), oral presentation
- 2018: Society for Experimental Biology Annual Meeting (Florence, Italy), oral presentation
- 2017: Indo-Pacific Fish Conference (Tahiti, French Polynesia), oral presentation
- 2017: Australian Coral Reef Society (Townsville, Australia), oral presentation

Society memberships

- 2020-present: Canadian Society of Zoologists
- 2018-2024: Society for Experimental Biology
- 2020-2022: North American Sturgeon and Paddlefish Society
- 2017-2020: Oceania Chondrichthyan Society
- 2017-2020: Fisheries Society of the British Isles
- 2015-2021: American Elasmobranch Society

Media

19. **James Cook University** (29 August 2024) “‘Sauna’ sanctuaries at risk for stingrays” (text) by Michael Serenc, [‘Sauna’ sanctuaries at risk for stingrays - JCU Australia](#)
18. **Forbes** (3 May 2022) “Baby shark isn’t fussy about the temperature of its nursery” (text) by Melissa Cristina Márquez, <https://www.forbes.com/sites/melissacristinamarquez/2022/05/02/baby-shark-isnt-fussy-about-the-temperature-of-its-nursery/?sh=239270f1c705>
17. **James Cook University** (21 January 2022) “The future for sharks: adapt, move or die” (text) by Melissa Lyne, <https://www.jcu.edu.au/news/releases/2022/january/the-future-for-sharks-adapt-move-or-die>
16. **The Conversation** (6 December 2020) “It might be the world’s biggest ocean, but the mighty Pacific is in peril” (text) by Jodie Rummer, Bridie Allan, Charitha Pattiarachi, **Ian Bouyoucos**, Irfan Yulianto, and Mirjam van

- der Mheen, <https://theconversation.com/it-might-be-the-worlds-biggest-ocean-but-the-mighty-pacific-is-in-peril-150745>
15. **Advanced Science News** (2 September 2020) “The effects of ocean warming” (text) by Martin Grolms, <https://www.advancedsciencenews.com/the-effects-of-ocean-warming/>
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