

Ocean Science Center

Publications in 2024

Vertebrate Zoology

Bannikov, Alexandre F. and **Tyler, James C.** 2024. "A new species of the fossil pufferfish genus †*Archaeotetraodon* (Tetraodontidae) from the Middle Miocene of the North Caucasus, Russia." *Zootaxa*, 5468, (1) 145–153. <https://doi.org/10.11646/zootaxa.5468.1.5>.

Becker, Madeleine A., Murphy, Katherine R., Archer, Frederick I., Jefferson, Thomas A., Keith-Diagne, Lucy W., Potter, Charles W., Urrutia-Osorio, M. Fernanda, Ndong, Ibrahima, and **McGowen, Michael R.** 2024. "Common dolphin (*Delphinus delphis*) mitochondrial genomes from Senegal reveal geographic structure across the North Atlantic but provide no support for global long-beaked clade." *Marine Mammal Science*, <https://doi.org/10.1111/mms.13144>.

Bernal-Hernández, Moises Emanuel, Beltrán-López, Rosa Gabriela, Robertson, D. R., **Baldwin, Carole C.**, Espinoza, Eduardo, Martínez-Gómez, Juan Esteban, Barraza, Enrique, Angulo, Arturo, Valdiviezo-Rivera, Jonathan, Acosta, Adrian F. González, and Domínguez-Domínguez, Omar. 2024. "Cryptic Diversity in *Scorpaenodes xyris* (Jordan & Gilbert 1882) (Scorpaeniformes: Scorpaenidae) Throughout the Tropical Eastern Pacific." *Journal of Molecular Evolution*, <https://doi.org/10.1007/s00239-024-10212-w>.

Collette, Bruce B. and **Bemis, Katherine E.** 2024. "History of the Monographic Series Fishes of the Western North Atlantic." *Ichthyology & Herpetology*, 112, (3). <https://doi.org/10.1643/t2023102>.

Duarte-Ribeiro, Emanuell, Rosas-Puchuri, Ulises, Friedman, Matt, Woodruff, Gavin C., Hughes, Lily C., Carpenter, Kent E., White, William T., Pogonoski, John J., Westneat, Mark, de Astarloa, Juan Martin Diaz, **Williams, Jeffrey T.**, Santos, Mudjekeewis D., Domínguez-Domínguez, Omar, Ortí, Guillermo, Arcila, Dahiana, and Betancur-R, Ricardo. 2024. "Phylogenomic and comparative genomic analyses support a single evolutionary origin of flatfish asymmetry." *Nature genetics*, <https://doi.org/10.1038/s41588-024-01784-w>.

Ekdale, Eric G., El Adli, Joseph J., **McGowen, Michael R.**, Deméré, Thomas A., Lanzetti, Agnese, Berta, Annalisa, Springer, Mark S., Boessenecker, Robert W., and Gatesy, 6 John. 2024. "Lateral palatal foramina are not widespread in Artiodactyla and imply baleen in extinct mysticetes." *Scientific Reports*, 14, (1). <https://doi.org/10.1038/s41598-024-60673-8>.

Fahimi, Neda, **Bemis, Katherine E.**, and Baeza, J. A. 2024. "The mitochondrial genome of the Yellowtail Snapper *Ocyurus chrysurus* (Bloch, 1791) (Perciformes: Lutjanidae)." *Journal of Natural History*, 58, (33-36) 1321–1335. <https://doi.org/10.1080/00222933.2024.2388290>.

Girard, Matthew G. 2024. "Convergent Evolution and the Red Sea Rover: *Emmelichthys marisrubri* (Teleostei: Emmelichthyidae) Is a Species of Fusilier (Lutjanidae: Dipterygonotus)." *Ichthyology & Herpetology*, 112, (1). <https://doi.org/10.1643/i2023048>.

Girard, Matthew G., Santos, Mudjekeewis D., and Bemis, Katherine E. 2024. "New species of redbait from the Philippines (Teleostei, Emmelichthyidae, *Emmelichthys*)." ZooKeys, 1196 95–109. <https://doi.org/10.3897/zookeys.1196.111161>.

Girard, Matthew G., **Nonaka, Ai**, **Baldwin, Carole C.**, and **Johnson, G. David**. 2024. Discovery and Description of Elaborate Larval Cusk-Eels and the Relationships among *Acanthonus*, *Tauredophidium*, and *Xyelacyba* (Teleostei: Ophidiidae). NOAA Fisheries. In NMFS Professional Paper, 24. <https://doi.org/10.7755/PP.24.3>.

Jacquemont, Juliette, Brandl, Simon J., McFarland, Emily P., Claudet, Joachim, **Baldwin, Carole C.**, Barrett, Jenna, and Tornabene, Luke. 2024. "Vertical structure of Caribbean deep-reef fishes from the altiphotic to deep-sea boundary." Scientific Reports, 14, (1). <https://doi.org/10.1038/s41598-024-69774-w>.

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Presti, Paulo, Pastana, Murilo N. L., **Johnson, G. D.**, and Datovo, Aléssio. 2024. "The gustatory stalk of the Remo flounder exemplifies how complex evolutionary novelties may arise." Scientific Reports, 14, (1). <https://doi.org/10.1038/s41598-024-55958-x>.

Schmitter-Soto, Juan, **Bemis, Katherine E.**, Dowling, Thomas E., Espinosa-Pérez, Héctor S., Findley, Lloyd T., Gilbert, Carter R., Hartel, Karsten E., Lea, Robert N., Mandrak, Nicholas E., Neighbors, Margaret A., Walker, H. J., J., and Page, Lawrence M. 2024. "How Many Fish Species Are in North America?" *Ichthyology & Herpetology*, 112, (4). <https://doi.org/10.1643/i2023047>.

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forelimb morphology of cetaceans and other mammals." *Proceedings of the Royal Society B: Biological Sciences*, 291, (2032). <https://doi.org/10.1098/rspb.2024.1106>.

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