

SELECTED PUBLICATIONS

Silliman, K., Spencer, L.H. (co-1st author), White, S.J., W., & Roberts, S.B. (2023) Epigenetic and Genetic Population Structure is Coupled in a Marine Invertebrate. *Genome Biology and Evolution*. 15(2):evad013 [Open Access Link](#). [Github Repo](#).

Silliman, K., Zhao, H., Justice, M., Thongda, W., Bowen, B., & Peatman, E. (2021) Complex introgression among three diverged largemouth bass lineages. *Evolutionary Applications*. 14:2815-2830. [Open Access Link](#). [Github Repo](#).

Lewis, M.R., **Silliman, K.**, Sammons, S.M., & Peatman, E.J. (2021) Failure of phenotypic markers to accurately identify black bass species and associated hybrids in Mobile River Basin, Alabama. *North American Journal of Fisheries Management*. 41:1591–1601. Contact for PDF.

Silliman, K., Indorf, J.L., Knowlton, N., Browne, W.E., & Hurt, C. (2021) Base-substitution mutation rate across the nuclear genome of *Alpheus* snapping shrimp and the timing of isolation by the Isthmus of Panama. *BMC Ecology and Evolution*. 21(104). [Open Access Link](#).

Bitter, M.C., Kapsenberg, L., **Silliman, K.**, Gattuso, J.-P., & Pfister, C.A. (2021) Magnitude and predictability of pH fluctuations shape plastic responses to ocean acidification. *American Naturalist* 197(4):486-501. [Link](#). [Manuscript Repo](#).

Zhao, H., **Silliman, K.**, Lewis, M., Johnson, S., Kratina, G., Rider, S.J., Stepien, C.A., Hallerman, E.M., Beck, B., Fuller, A., Peatman, E. (2020) SNP analyses highlight a unique, imperiled southern walleye (*Sander vitreus*) in the Mobile River Basin. *Canadian J. of Fisheries and Aquatic Sciences* 77(8): 1366-1378. [Link](#).

Silliman, K., (2019) Population structure, genetic connectivity, and adaptation in the Olympia oyster (*Ostrea lurida*) along the west coast of North America. *Evolutionary Applications* 12: 923-939. [Open Access Link](#). [Manuscript Repo](#).

Silliman, K., Bowyer, T., & Roberts, S. (2018) Consistent differences in fitness traits across multiple generations of Olympia oysters. *Scientific Reports* 8:6080. [Article Link](#). [Manuscript Repo](#).

White, S., Vadopalas, B., **Silliman, K.**, & Roberts, S. (2017) Genotype-by-sequencing of three geographically distinct populations of Olympia oysters, *Ostrea lurida*. *Scientific Data* 4: 170130. [Link](#).

Hurt, C., **Silliman, K.**, Anker, A., & Knowlton, N. (2013) Ecological speciation in anemone-associated snapping shrimps (*Alpheus armatus* species complex). *Molecular Ecology* 22(17): 4532-48.

