

Punta Culebra Nature Center Bibliography

Updated December 15, 2020

This is a list of publications that are attributed to research done at the Punta Culebra Nature Center at the Smithsonian Tropical Research Institute (or earlier research). The publications are grouped by year and sorted alphabetically by first author, with known Smithsonian Tropical Research Institute researchers marked in bold. The data are generated from [Smithsonian Research Online](#), provided by the Smithsonian Libraries and Archives. Reports are generated on a quarterly basis and may not include the most recent publications.

2018

Pagenkopp Lohan, Katrina M., Hill-Spanik, Kristina, **Torchin, Mark E.**, Fleischer, Robert C., Carnegie, Ryan B., Reece, Kimberly S., and Ruiz, Gregory M. 2018. "Phylogeography and connectivity of molluscan parasites: *Perkinsus* spp. in Panama and beyond." *International journal for parasitology* 48 (2):135–144. <https://doi.org/10.1016/j.ijpara.2017.08.014>

2016

Collin, Rachel and **Ochoa, Isis**. 2016. "Influence of seasonal environmental variation on the reproduction of four tropical marine gastropods." *Marine Ecology Progress Series* 555:125–139. <https://doi.org/10.3354/meps11815>

Collin, Rachel, Roof, Karah Erin, and Spangler, Abby. 2016. "[Hatching plasticity in the tropical gastropod *Nerita scabricosta*](#)." *Invertebrate Biology* 135 (2):87–96. <https://doi.org/10.1111/ivb.12119>

2016

Lim, Shirley S. L., Yong, Adeline Y. P., and **Christy, John H.** 2016. "[Ontogenetic changes in diet and related morphological adaptations in *Ocypode gaudichaudii*](#)." *Invertebrate Biology* 135 (2):117–126. <https://doi.org/10.1111/ivb.12122>

2015

Kim, Tae Won and **Christy, John H.** 2015. "[A mechanism for visual orientation may facilitate courtship in a fiddler crab](#)." *Animal Behaviour* 101:61–66. <https://doi.org/10.1016/j.anbehav.2014.12.007>

MacFadden, Bruce J., Symister, Chanika, Cannarozzi, Nicole, **Pimiento, Catalina**, and **De Gracia, Carlos**. 2015. "[Comparative Diagenesis and Rare Earth Element Variation in Miocene Invertebrate and Vertebrate Fossils from Panama](#)." *The Journal of geology* 123 (6):491–507. <https://doi.org/10.1086/684006>

2015

Shih, Hsi-Te, Ng, Peter K. L., and **Christy, John H.** 2015. "[Uca \(Petruca\), a new subgenus for the rock fiddler crab *Uca panamensis* \(Stimpson, 1859\) from Central America, with comments on some species of the American broad-fronted subgenera.](https://doi.org/10.11646/zootaxa.4034.3.3)" *Zootaxa* 4034 (3):471–494. <https://doi.org/10.11646/zootaxa.4034.3.3>

2013

Dennenmoser, Stefan and **Christy, John H.** 2013. "[The Design of a Beautiful Weapon: Compensation for Opposing Sexual Selection on a Trait with Two Functions.](https://doi.org/10.1111/evo.12018)" *Evolution* 67 (4):1181–1188. <https://doi.org/10.1111/evo.12018>

2010

Kim, Tae Won, **Christy, John H.**, **Rissanen, Jade Rebecca**, Ribeiro, Pablo D., and Choe, Jae Chun. 2010. "[Effect of food addition on the reproductive intensity and timing of both sexes of an intertidal crab.](https://doi.org/10.3354/meps08416)" *Marine Ecology Progress Series* 401:183–194. <https://doi.org/10.3354/meps08416>

2009

Anker, Arthur, Baeza, J. Antonio, and De Grave, Sammy. 2009. "[A New Species of *Lysmata* \(Crustacea, Decapoda, Hippolytidae\) from the Pacific Coast of Panama, with Observations of Its Reproductive Biology.](https://doi.org/10.1111/j.1365-3113.2009.04416.x)" *Zoological Studies* 48 (5):682–692.

Li, Carter and **Collin, Rachel**. 2009. "[Imposex in one of the world's busiest shipping zones.](https://doi.org/10.1111/j.1365-3113.2009.04416.x)" in *Proceedings of the Smithsonian Marine Science Symposium*, edited by Lang, Michael A., Macintyre, Ian G., and Ruetzler, Klaus., First ed. 189–196. Smithsonian Contributions to the Marine Sciences. Washington DC: Smithsonian Institution Scholarly Press.

2009

Robertson, D. Ross, **Christy, John H.**, **Collin, Rachel**, **Cooke, Richard G.**, **D'Croze, Luis**, Kaufmann, Karl W., **Moreno, Stanley Heckadon**, **Maté, Juan L.**, **O'Dea, Aaron**, and **Torchin, Mark E.** 2009. "[The Smithsonian Tropical Research Institute: Marine Research, Education, and Conservation in Panama.](https://doi.org/10.5479/si.01960768.38.73)" *Smithsonian Contributions to the Marine Sciences* (38): 73–93. <https://doi.org/10.5479/si.01960768.38.73>

Sponer, Renate and **Lessios, Harilaos A.** 2009. "[Mitochondrial phylogeography of the intertidal isopod *Excirolana braziliensis* on the two sides of the Isthmus of Panama.](https://doi.org/10.1111/j.1365-3113.2009.04416.x)" in *Proceedings of the Smithsonian Marine Science Symposium*, edited by Lang, Michael A., Macintyre, Ian G., and Ruetzler, Klaus., First ed. 219–228. Smithsonian Contributions to the Marine Sciences. Washington DC: Smithsonian Institution Scholarly Press.

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Miglietta, Maria Pia, Rossi, Marco, and **Collin, Rachel**. 2008. "[Hydromedusa blooms and upwelling event in the Bay of Panama, tropical east Pacific.](https://doi.org/10.1093/plankt/fbn038)" *Journal of Plankton Research* 30 (7):783–793. <https://doi.org/10.1093/plankt/fbn038>

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2007

Anker, A., Hurt, C., and Knowlton, N. 2007. "[Three Transisthmian Snapping Shrimps \(Crustacea : Decapoda : Alpheidae : Alpheus\) Associated With Innkeeper Worms \(Echiura : Thalassematidae\) in Panama.](#)" *Zootaxa* (1626): 1.

Anker, Arthur, Hurt, Carla, and Knowlton, Nancy. 2007. "Three transisthmian snapping shrimps (Crustacea: Decapoda: Alpheidae: Alpheus) associated with innkeeper worms (Echiura: Thalassematidae) in Panamá." *Zootaxa* 1626:1–23.

2006

Ribeiro, Pablo D., **Christy, John H.**, **Rissanen, Rebecca**, and Tae Won, Kim. 2006. "[Males Are Attracted by Their Own Courtship Signals.](#)" *Behavioral Ecology and Sociobiology* 61 (1):81–89. <https://doi.org/10.1007/s00265-006-0238-5>

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Wysor, Brian. 2004. "[An Annotated List of Marine Chlorophyta From the Pacific Coast of the Republic of Panamá With a Comparison to Caribbean Panamá Species.](#)" *Nova Hedwigia* (1-2): 209—241.

2003

Christy, John H., **Backwell, Patricia R. Y.**, and Schober, Ursula M. 2003. "[Interspecific Attractiveness of Structures Built by Courting Male Fiddler Crabs: Experimental Evidence of a Sensory Trap.](#)" *Behavioral Ecology and Sociobiology* (2): 84–91.

McCartney, Michael A., Acevedo, Jenny, Heredia, Christine, Rico, Ciro, Quenouille, Brice, **Birmingham, Eldredge**, and **McMillan, William Owen**. 2003. "[Genetic Mosaic in a Marine Species Flock.](#)" *Molecular Ecology* (11): 2963-2973.

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McCartney, Michael A., Acevedo, Jenny, Heredia, Christine, Rico, Ciro, Quenouille, Brice, **Birmingham, Eldredge**, and **McMillan, William Owen**. 2003. "Genetic mosaic in a marine species flock." *Molecular Ecology* 12:2963–2973.

Takeda, Satoshi and Murai, Minoru. 2003. "Morphological and Behavioural Adaptations to the Rocky Substrate by the Fiddler Crab *Uca Panamensis* (Stimpson, 1859): Preference for Feeding Substratum and Feeding Mechanism." *Journal of Experimental Marine Biology and Ecology* (2): 179–191.

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Brodie, Renae and Harvey, Alan W. 2001. "[Larval Development of the Land Hermit Crab *Coenobita Compressus* H. Milne Edwards Reared in the Laboratory.](#)" *Journal of Crustacean Biology* (3): 715–732.

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D'Croz, Luis and Coates, Anthony G. 1994. "Geología y Biología Marina del Istmo de Panamá." *Naturaleza Tropical (La Prensa)* Suppl. 5:1–11.

Ibáñez, Roberto, Jaramillo, Cesar A., and Arosemena, Fernando A. 1994. "A new species of *Eleutherodactylus* (Anura: Leptodactylidae) from Panama." *Amphibia-Reptilia* 15 (4):337–341.

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Lessios, Harilaos A., Weinberg, James R., and Starczak, Victoria R. 1994. "[Temporal variation in populations of the marine isopod *Excirrolana*: How stable are gene frequencies and morphology?](#)" *Evolution* 48 (3):549–563. <https://doi.org/10.1111/j.1558-5646.1994.tb01343.x>

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Schober, Ursula M. and **Christy, John H.** 1993. "[Sand disposal of the painted ghost crab *Ocypode gaudichaudii* \(Decapoda: Ocypodidae\): a possible role in courtship.](#)" *Marine Biology* 116 (1):53–60.

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Lessios, Harilaos A. 1987. "[Temporal and Spatial Variation in Egg Size of 13 Panamanian Echinoids.](#)" *Journal of experimental marine biology and ecology* 114 (2):217–239.

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Jaramillo, de Ventocilla. 1985. "Ciclo de vida de *Brassolis isthmia* (Nymphalidae-Brassolidae Lepidoptera)."

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Garrity, Stephen D. 1984. "Some adaptations of gastropods to physical stress on a tropical rocky shore." *Ecology* 65 (2):559–574.

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Mielke, Wolfgang. 1981. "Interstitielle ectinosomatidae (Copepoda) von Panama." *Mikrofauna des Meeresbodens* 85:1–45.

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