

Publication list

OSCAR PUEBLA

August 2024

Sum of the times cited 1225, h-index 19 (Google Scholar)

Peer-reviewed research (36 contributions, 12 first-authored, 11 last-authored, 13 middle-authored)

36. Hannak A, **Puebla O**, Perera N (2024) Fish assemblages on shipwrecks versus natural reefs in Colombo, Sri Lanka. *Bulletin of Marine Science*. <https://doi.org/10.5343/bms.2023.0109>
35. Islam MJ, **Puebla O**, Kunzmann A (2024) Nutritional mitigation of heatwave stress in European seabass, *Dicentrarchus labrax*: metabolic, cellular, and molecular responses. *Aquaculture Reports* 36, 102-168. <https://doi.org/10.1016/j.aqrep.2024.102168>
34. Aubier TG, Kopp M, Linn IJ, **Puebla O**, Rafajlović M, Servedio MR (2024) Negative coupling: the coincidence of premating isolating barriers can reduce reproductive isolation. *Cold Spring Harbour Perspectives in Biology*, a041435. <https://doi.org/10.1101/cshperspect.a041435>
33. Islam MJ, **Puebla O**, Kunzmann A (2024) Mitigation of extreme winter stress in European seabass, *Dicentrarchus labrax* through dietary supplementation. *Aquaculture* 587, 740814. <https://doi.org/10.1016/j.aquaculture.2024.740814>
32. Coulmance F, Akkaynak D, Le Poul Y, Höppner MP, McMillan WO, **Puebla O** (2024) Phenotypic and genomic dissection of color pattern variation in a reef fish radiation. *Molecular Ecology* 33, e17047. <https://doi.org/10.1111/mec.17047>
31. Merten V, **Puebla O**, Bayer T, Reusch TBH, Fuss J, Stefanschitz J, Metfies K, Stauffer J, Hoving H-J (2023) Arctic nekton uncovered by eDNA metabarcoding: diversity, potential range expansions and benthopelagic coupling. *Environmental DNA* 5, 503–518. <https://doi.org/10.1002/edn3.403>
30. Benestan L, Loiseau N, Guerin P-E, Rühls S, Schmidt C, Rath W, Biastoch A, Ford A, Pérez-Ruzafa A, Baixauli P, Forcada A, Arcas E, Lenfant P, Mallol S, Goñi R, Velez L, Mouillot D, **Puebla O**, Manel S (2022) Contrasting influence of seascape, space and marine reserves on genomic variation in multiple species. *Ecography* e06127. <https://doi.org/10.1111/ecog.06127>
29. Hench K, Helmkampf M, McMillan WO, **Puebla O** (2022) Rapid radiation in a highly diverse marine environment. *Proceedings of the National Academy of Sciences of the United States of America* 119, e202045711922. <https://doi.org/10.1073/pnas.2020457119>
28. **Puebla O**, Coulmance F, Estapé CJ, Estapé AM, Robertson DRR (2022) A review of 263 years of taxonomic research on *Hypoplectrus* (Perciformes: Serranidae), with a redescription of *Hypoplectrus affinis* (Poey, 1861). *Zootaxa* 5093, 101–141. <https://doi.org/10.11646/zootaxa.5093.2.1>
27. Merten V, Bayer T, Reusch TBH, **Puebla O**, Fuss J, Stefanschitz J, Lischka A, Hauss H, Neitzel P, Piatkowski U, Czudaj S, Christiansen B, Denda A, Hoving H-JT (2021) An integrative assessment combining deep-sea net sampling, in situ observations and eDNA analysis identifies Cabo Verde as a cephalopod biodiversity hotspot in the Atlantic Ocean. *Frontiers in Marine Science* 8, 760108. <https://doi.org/10.3389/fmars.2021.760108>
26. Marcos C, Díaz D, Fietz K, Forcada A, Ford A, García-Charton J-A, Goñi R, Lenfant P, Mallol S, Mouillot D, Pérez-Marcos M, **Puebla O**, Manel S, Pérez-Ruzafa A (2021) Reviewing the ecosystem services, societal goods and benefits of marine protected areas. *Frontiers in Marine Science* 8, 613819. <https://doi.org/10.3389/fmars.2021.613819>
25. Benestan L*, Fietz K*, Loiseau N, Guerin P-E, Trofimenko E, Rühls S, Schmidt C, Rath W, Biastoch A, Pérez-Ruzafa A, Baixauli P, Forcada A, Arcas E, Lenfant P, Mallol S, Goñi R, Velez L, Höppner M, Kininmonth S, Mouillot D, **Puebla O***, Manel S (2021) Restricted dispersal in a sea of gene flow. *Proceedings of the Royal Society B* 288, 20210458.

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- <https://doi.org/10.1098/rspb.2021.0458>
24. Visser F, Merten VJ, Bayer T, Oudejans MG, de Jonge DSW, **Puebla O**, Reusch TBH, Fuss J, Hoving HJT (2021). Deep-sea predator niche segregation revealed by combined cetacean biologging and eDNA analysis of cephalopod prey. *Science Advances* 2021, eabf5908.
<https://doi.org/10.1126/sciadv.abf5908>
 23. de Jonge DSW, Merten V, Bayer T, **Puebla O**, Reusch TBH, Hoving HJT (2021) A novel metabarcoding primer pair for environmental DNA analysis of Cephalopoda (Mollusca) targeting the nuclear 18S rRNA region. *Royal Society Open Science* 8, 201388.
<https://doi.org/10.1098/rsos.201388>
 22. Fietz K, Trofimenko E, Guerin PE, Arnalb V, Torres-Oliva M, Lobréaux S, Pérez-Ruzafa A, Manel S, **Puebla O** (2020) New genomic resources for three exploited Mediterranean fishes. *Genomics* 112, 4297–4303.
<https://doi.org/10.1016/j.ygeno.2020.06.041>
 21. Peña J, Nöldeke G, **Puebla O** (2020) The evolution of egg trading in simultaneous hermaphrodites. *The American Naturalist* 195, 524–533.
<https://doi.org/10.1086/707016>
 20. Moody EK, Alda F, Capps KA, **Puebla O**, Turner BL (2019) Trophic trait evolution explains variation in nutrient excretion stoichiometry among Panamanian armored catfishes (Loricariidae). *Diversity* 11, 88.
<https://doi.org/10.3390/d11060088>
 19. Hench K, Vargas M, Höppner MP, McMillan WO, **Puebla O** (2019) Inter-chromosomal coupling between vision and pigmentation genes during genomic divergence. *Nature Ecology & Evolution* 3, 657–667.
<https://doi.org/10.1038/s41559-019-0814-5>
 18. Moran BM, Hench K, Waples RS, Höppner MP, Baldwin CC, McMillan WO, **Puebla O** (2019) The evolution of microendemism in a reef fish (*Hypoplectrus maya*). *Molecular Ecology* 28, 2872–2885.
<https://doi.org/10.1111/mec.15110>
 17. Picq S, Scotti M, **Puebla O** (2019) Behavioural syndromes as a link between ecology and mate choice: a field study in a reef fish population. *Animal Behaviour* 150, 219–237.
<https://doi.org/10.1016/j.anbehav.2019.02.016>
 16. Manel S, Loiseau N, Andrello M, Fietz K, Goñi R, Forcada A, Lenfant P, Kininmonth S, Marcos C, Marques V, Mallol S, Pérez-Ruzafa A, Breusing C, **Puebla O**, Mouillot D (2019). Long-Distance Benefits of Marine Reserves: Myth or Reality? *Trends in Ecology & Evolution* 34, 342–354.
<https://doi.org/10.1016/j.tree.2019.01.002>
 15. **Puebla O**, Picq S, Lesser JS, Moran B (2018) Social-trap or mimicry? An empirical evaluation of the *H. unicolor* – *C. capistratus* association in Bocas del Toro, Panama. *Coral Reefs* 37, 1127–1137.
<https://doi.org/10.1007/s00338-018-01741-0>
 14. Petereit C, Bekkevold D, Nickel S, Dierking J, Hantke H, Hahn A, Reusch T, **Puebla O** (2018) Population genetic structure after 125 years of stocking in Northern Germany sea trout. *Conservation Genetics* 19, 1123–1136.
<https://doi.org/10.1007/s10592-018-1083-6>
 13. Hench K, McMillan WO, Betancur-R R, **Puebla O** (2017) Temporal changes in hamlet communities (*Hypoplectrus* spp, Serranidae) over 17 years. *Journal of Fish Biology* 91, 1475–1490.
<https://doi.org/10.1111/jfb.13481>
 12. Merten V, Christiansen B, Javidpour J, Piatkowski U, **Puebla O**, Gasca R, Hoving HJT (2017) Diet and stable isotope analyses reveal the feeding ecology of the orangeback squid *Sthenoteuthis pteropus* (Steenstrup 1855) (Mollusca, Ommastrephidae) in the eastern tropical Atlantic. *PLoS one* 12, e0189691.
<https://doi.org/10.1371/journal.pone.0189691>
 11. Theodosiou L, McMillan WO, **Puebla O** (2016) Recombination in the eggs and sperm in a simultaneously hermaphroditic vertebrate. *Proceedings of the Royal Society B* 283, 20161821.
<https://doi.org/10.1098/rspb.2016.1821>
 10. Picq S, McMillan WO, **Puebla O** (2016) Population genomics of local adaptation versus speciation in coral reef fishes (*Hypoplectrus* spp, Serranidae). *Ecology and Evolution* 6, 2109–2124.
<https://doi.org/10.1002/ece3.2028>
 9. **Puebla O**, Bermingham E, McMillan WO (2014) Genomic atolls of divergence in coral reef fishes (*Hypoplectrus* spp, Serranidae). *Molecular Ecology* 23, 5291–5303.

- <https://doi.org/10.1111/mec.12926>
8. **Puebla O**, Bermingham E, McMillan WO (2012) On the spatial scale of dispersal in coral reef fishes. *Molecular Ecology* 21, 5675–5688.
<https://doi.org/10.1111/j.1365-294X.2012.05734.x>
 7. **Puebla O**, Bermingham E, Guichard F (2012) Pairing dynamics and the origin of species. *Proceedings of the Royal Society B* 279, 1085–1092.
<https://doi.org/10.1098/rspb.2011.1549>
 6. **Puebla O**, Bermingham E, Guichard F (2009) Estimating dispersal from genetic isolation by distance in a coral reef fish (*Hypoplectrus puella*). *Ecology* 90, 3087–3098.
<https://doi.org/10.1890/08-0859.1>
 5. **Puebla O** (2009) Ecological speciation in marine v. freshwater fishes. *Journal of Fish Biology* 75, 960–996.
<https://doi.org/10.1111/j.1095-8649.2009.02358.x>
 4. **Puebla O**, Bermingham E, Guichard F (2008) Population genetic analyses of *Hypoplectrus* coral reef fishes provide evidence that local processes are operating during the early stages of marine adaptive radiations. *Molecular Ecology* 17, 1405–1415.
<https://doi.org/10.1111/j.1365-294X.2007.03654.x>
 3. **Puebla O**, Sévigny JM, Sainte-Marie B, Brêthes JC, Burmeister A, Dawe EG, Moriyasu M (2008) Population genetic structure of the snow crab (*Chionoecetes opilio*) at the Northwest Atlantic scale. *Canadian Journal of Fisheries and Aquatic Sciences* 65, 425–436.
<https://doi.org/10.1139/f07-163>
 2. **Puebla O**, Bermingham E, Guichard F, Whiteman E (2007) Colour pattern as a single trait driving speciation in *Hypoplectrus* coral reef fishes? *Proceedings of the Royal Society B* 274, 1265–1271.
<https://doi.org/10.1098/rspb.2006.0435>
 1. **Puebla O**, Parent E, Sévigny JM (2003) New microsatellite markers for the snow crab *Chionoecetes opilio* (Brachyura: Majidae). *Molecular Ecology Notes* 3, 644–646.
<https://doi.org/10.1046/j.1471-8286.2003.00542.x>

Editorial (3 contributions)

3. Manel S, Loiseau N, **Puebla O** (2019) Long-Distance Marine Connectivity: Poorly Understood but Potentially Important. *Trends in Ecology & Evolution* 34, 688–689.
<https://doi.org/10.1016/j.tree.2019.05.011>
2. **Puebla O** (2018) Another useful property of mtDNA: editorial comment on the highlighted article by Lou *et al.* (2018). *Marine Biology* 165, 125.
<https://doi.org/10.1007/s00227-018-3372-5>
1. **Puebla O**, Bermingham E, Guichard F (2011) Perspective: matching, mate choice, and speciation. *Integrative and Comparative Biology* 51, 485–491.
<https://doi.org/10.1093/icb/icr025>

Other (1 contribution)

1. Meyer A, Volanandiana A, Mtonga CJ, Benjamin D, Karan D, Tovela E, Mahudi H, Baxter, Kipyegon JK, Oduor N, Otwoma L, Farah LI, Kambikambi M, Ghilardi M, Nyawo M, Mrombo N, **Puebla O**, Mgelek S, Amponsah SKK, Oladipo SO, Bejarano S, Wacira T, Fanoro T, Silali V (2023) Lab protocols for Fish Barcoding. *Protocols Series, No. 1. Leibniz Centre for Tropical Marine Research*, Bremen, 30 pp.
<https://doi.org/10.21244/zmt.2023.002>