Maeva PEREZ, PhD
Postdoctoral Fellow,
Department of Biology,
Hong Kong Baptist University,
Kowloon Tong, Kowloon.
maeperez[at]hkbu.edu.hk

About

I investigate the key processes of evolution, connectivity, and resilience in deep-sea animals using genetic and genomic approaches. My main project aims to understand how deep-sea worms have colonised various deep-sea ecosystems, and how they have adapted to the extreme environmental conditions that characterise these habitats.

Education

2023 – PhD. – Department of Biological Sciences – Université de Montréal, Canada
2016 – Teaching certificate – Department of Psychology – University of Victoria, Canada
2016 – MSc. – Department of Earth and Ocean Sciences – University of Victoria, Canada

Selected Awards

2025 – RGC Junior Research Fellow Scheme – Hong Kong SAR, China
2024 – 2024 Best Thesis Award in Engineering, Medical Sciences, and Natural Sciences – Canadian Association for Graduate Studies, Canada
2024 – Post-doctoral Fellowship Award – National Sciences and Engineering Council of Canada (NSERC)

Selected Publications

Perez, M., Aroh, O., Sun, Y., Lan, Y., Juniper, S.K., Young, C.R., Angers, B., and Qian, P.-Y. 2023. Third-generation sequencing reveals the adaptive role of the epigenome in three deep-sea polychaetes. Molecular Biology and Evolution. doi:10.1093/molbev/msad172 (Behind the scene blogpost)

Perez, M., Breusing, C., Angers, B., Beinart, R.A., Won, Y.-J., and Young, C.R. 2022. Divergent paths in the evolutionary history of maternally transmitted clam symbionts. Proceedings of the Royal Society B: Biological Sciences 289(1970): 20212137. doi:10.1098/rspb.2021.2137.

Perez, M., Sun, J., Xu, Q., and Qian, P.-Y. 2021. Structure and connectivity of hydrothermal vent communities along the mid-ocean ridges in the west Indian Ocean: A review. Frontiers in Marine Science 8: 1434. doi:10.3389/fmars.2021.744874.

Perez, M., Angers, B., Young, C.R., and Juniper, S.K. 2021. Shining light on a deep-sea bacterial symbiont population structure with CRISPR. Microbial Genomics **7**(8): 000625. doi:10.1099/mgen.0.000625. **(**Vulgarization in French**)**

Full list here