

CURRICULUM VITAE

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Teaching Career	<p>Universidade Federal do Paraná</p> <ul style="list-style-type: none"> - Metazoa I (undergraduate level) - Historical biology (undergraduate level) - Comparative zoology of invertebrates: evolution (graduate level) - Parasitology of Aquatic Organisms (graduate level) - Symbiosis (undergraduate level) - Evolution of symbiosis (graduate level) - Molecular Systematics (graduate level) - Molecular Ecology (graduate level) <p>University of Milano-Bicocca</p> <ul style="list-style-type: none"> - Marine Molecular Biology
Teaching Activities	<p>Molecular Ecology Molecular marine Biology Zoology Evolution</p>
Other Activities	Coordinator of the Taxonomic Catalogue of the Brazilian Fauna
Research Activities	<p>Evolution of associations Phylogeography of aquatic organisms Theory of evolution Systematics of parasitic Platyhelminthes</p>
List of 10 main Publications of the last 5 years	<p>Sereneski-Lima, Carolina; Baggio, Rafael Antunes; Pil, Maria Wilhelmina; Torres Boeger, Maria Regina; Boeger, Walter Antonio. Historical and contemporary factors affect the genetic diversity and structure of <i>Laguncularia racemosa</i> (L.) Gaertn, along the western Atlantic coast. <i>Estuarine, Coastal and Shelf Science</i> 249 (2021): 107055. http://dx.doi.org/10.1016/j.ecss.2020.107055</p> <p>Daniel R. Brooks; Eric P. Hoberg; Walter A. Boeger; Valeria Trivellone. 2021. Emerging infectious disease: an underappreciated area of strategic concern for food security.</p>

Transboundary and Emerging Diseases: <https://doi.org/10.1111/tbed.14009>
10.1111/tbed.14009

Sofia Feronato; Araujo, Sabrina; Boeger, Walter A.. 2021. Accidents waiting to happen – insights from a simple model on the emergence of infectious agents in new hosts. *Authorea* (2021): 1. <https://www.authorea.com/users/391382/articles/505513--accidents-waiting-to-happen-insights-from-a-simple-model-on-the-emergence-of-infectious-agents-in-new-hosts>.

Boeger, Walter A.; Kritsky, Delane C.; Patella, Luciana; Bueno-Silva, Marlus. 2020. Phylogenetic status and historical origins of the oviparous and viviparous gyrodactylids (Monogenoidea, Gyrodactylidea). *Zoologica Scripta* 50 1 (2020): 112-124. <http://dx.doi.org/10.1111/zsc.12455>.10.1111/zsc.12455

Bueno, Marlus ; Boeger, W. A. Rapid divergence, molecular evolution, and morphological diversification of coastal host-parasite systems: *Gyrodactylus* (Gyrodactylidae) and fish *Scleromystax* (Callichthyidae) from southern Brazilian coast. *Parasitology*, v. 1, p. 1-76, 2019.

Baggio, R. A. ; Araújo, Sabrina B. L. ; Avyllon, D. ; Boeger, W. A. Dams cause genetic homogenization in populations of fish that present homing behavior: Evidence from a demogenetic individual-based model. *Ecological Modelling*, v. 384, p. 209-220, 2018.

Braga, Mariana P ; Araujo, Sabrina BI ; Agosta, Salvatore ; Brooks, Daniel ; Hoberg, Eric ; Nylin, Sören ; Janz, Niklas ; Boeger, Walter A . Host use dynamics in a heterogeneous fitness landscape generates oscillations in host range and diversification. *Evolution*, v. 2018, p. 1-30, 2018.

Pil, Maria W. ; Baggio, Rafael A. ; Tschá, Marcel K. ; Marteleto, Flávio M.; Orélis-Ribeiro, Raphael; Patella, Luciana; Chammas, Marcelo; Ostrensky, Antonio ; Boeger, Walter A. The influence of paleoclimate on the distribution of genetic variability and demography of fishes in a large and highly fragmented neotropical river. *Hydrobiologia*, 805(1), p.97-112.

Tschá, Marcel K. ; Bachmann, Lutz ; Abilhoa, Vinícius ; Boeger, Walter A. Past connection and isolation of catchments: The sea-level changes affect the distribution and genetic variability of coastal freshwater fishes. *Estuarine Coastal And Shelf Science*, v. 190, p. 31-39, 2017.

Patella, L ; Brooks, D. R. ; Boeger, W. A. Phylogeny and ecology illuminate the evolution of associations under the Stockholm Paradigm: *Aglaiogyrodactylus* spp. (Gyrodactylidae, Monogenoidea) and species of Loricariidae (Actinopterygii, Siluriformes). *Vie Et Milieu- Life And Environment*, v. 67, p. 91-102, 2017.

Nylin, S ; Agosta, S. J. ; Bensch, S ; Boeger, W. A. ; Braga, Mariana P. ; Brooks, D. R. ; Forister, M ; Hämbäck, P ; Hoberg, Eric P. ; Nyman, T ; Schäpers, A ; Stygall, A ; Wheat, C ; Österling, M ; Janz, N. Embracing Colonizations: A New Paradigm for Species Association Dynamics. *Trends In Ecology & Evolution*, v. 2320, p. 1-11, 2017.

Bachmann, Lutz; Fromm, Bastian; Patella De Azambuja, Luciana; Boeger, Walter A. 2016.The mitochondrial genome of the egg-laying flatworm *Aglaiogyrodactylus forficulatus* (Platyhelminthes: Monogenoidea). *Parasites & Vectors*, v.9, 285.

Scientific Expertise	e.g. Historical ecology, biogeography, phylogeography, systematics, coevolution
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