

Matías Gómez-Corrales

Ph.D. Candidate in Biological and Environmental Sciences
Evolution and Marine Biology Specialization
University of Rhode Island
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Education

2019. Ph.D. (Expected December 2023). Department of Biological and Environmental Sciences. University of Rhode Island. Conservation genomics of Caribbean hard corals. Advisor: Dr. Carlos Prada.
2018. M.S. Department of Biological Sciences. Universidad of Los Andes, Bogotá D.C. Thesis project: Temporal reproductive isolation uncovers cryptic speciation in a common Caribbean coral. Advisor: Dr. Juan A. Sánchez.
2015. B.S. Marine Biology. Universidad of Bogotá Jorge Tadeo Lozano, Bogotá-Santa Marta. Advisors: Dr. Juan A. Sánchez & Dr. Elvira Alvarado.

Professional Experience

- 2021 - present **Research Assistant**. University of Rhode Island.
- 2020 **Teaching Assistant in Zoology of Invertebrates**. University of Rhode Island.
- 2019 - 20 **Research Assistant**. University of Rhode Island.
- 2015 -18 **Teaching Assistant in Zoology & Ecology**. Universidad of Los Andes, Colombia.
- 2012 - 13 **Junior Researcher in Coral Reef Ecology**. Ecoral S.A.S., Colombia.
- 2011 - 12 **Junior Researcher in Marine Invasions**. Dr. Michael J. Ahrens, Consultancy.

Fellowships, Honors, and Awards

2022. **Rosemary Grant Advanced Award**, Society for the Study of Evolution (**\$3,500**).
2022. **Lerner-Gray Grants for Marine Research**, American Museum of Natural History (**\$2,000**).
- 2022-2023. **Dean's Fellowship Award**, University of Rhode Island (**\$34,563**).
2022. **Dean's Travel Award**, University of Rhode Island (**\$450**).
2022. **Annual Grant Fund**, University of Rhode Island Graduate Assistants United (**\$500**).
2022. **Early Career Training Award**, Coral Bleaching Research Coordination Network (**\$2,500**).
2021. **Global Marine Initiative Student Research Award Program**, The Nature Conservancy & University of Rhode Island (**\$10,000**).
2020. **Graduate Student Research Award**, Society of Systematic Biologists (**\$3,000**).
2020. **Enhancement of Graduate Research Awards 2020-2021**, University of Rhode Island (**\$1,000**).
2020. **Graduate Fellow**, International Coral Reef Society (**\$2,500**).
2020. **Species Delimitation Workshop Travel Grant**, University of Michigan (**\$600**).
- 2019-2022. **Research & Teaching Assistantships** (x11), University of Rhode Island.
2017. **Master's Research Grant**, Universidad of Los Andes (**\$1,000**).
- 2015-2018. **Master's Scholarship**, Universidad of Los Andes (**\$7,000**).
- 2013-2014. **Excellence Student Award**, Universidad of Bogotá Jorge Tadeo Lozano (**\$2,500**).
2011. **Conference Registration Grant**, III Latin-American Conference of Arachnology (**\$250**).

Publications

Rodríguez, L., Acosta, A., González-Zapata, F.L., **Gómez-Corrales, M.**, . . ., Sánchez, J.A. *Biodiversity and Conservation (in press)*. Conservation at the edge: connectivity and opportunities from non-protected coral reefs close to a national park in the Colombian Caribbean.

<https://doi.org/10.21203/rs.3.rs-1654684/v1>

Gómez-Corrales M. (2022). Cryptic diversity matters for coral conservation. In: Ormond, R. and Rogers, C (eds), *Reef Encounter 51*, Vol 37, No. 1, 82. http://coralreefs.org/publications/reef_encounter_51/

- Gómez-Corrales M.**, Prada C. (2020). Cryptic lineages respond differently to coral bleaching. *Molecular Ecology*, 00:1–9. <https://doi.org/10.1111/mec.15631>
- Sánchez, J. A., **Gómez-Corrales, M***, Gutierrez-Cala, L., ... Sarmiento, A. (2019). Steady Decline of Corals and Other Benthic Organisms in the SeaFlower Biosphere Reserve (Southwestern Caribbean). *Frontiers in Marine Science*, 6. <https://doi.org/10.3389/fmars.2019.00073> *First Co-author.
- Alonso, D., Vides, M., Cedeño, C., Marrugo, M., Henao, A., Sánchez, J. A., ... & **Gómez, M.** (2015). Parque Nacional Natural Corales de Profundidad: descripción de comunidades coralinas y fauna asociada. *Serie de Publicaciones Generales del Invemar*, (88), 20.

Presentations

2022. **Gómez-Corrales, M.**, Medina, M., Prada, C. Speciation in Caribbean Corals. 2nd Early Career Researcher Symposium, International Fossil Coral and Reef Society.
2022. **Gómez-Corrales, M.**, Tomás, L., Huntley, N., Iglesias-Prieto, R., Prada, C. Depth matters for coral restoration. Reef Futures, Key Largo, US.
2022. **Gómez-Corrales, M.**, Medina, M., Prada, C. Coral cryptic lineages segregate across a depth cline in the Caribbean. 15th International Coral Reef Symposium, Bremen, Germany.
2022. **Gómez-Corrales, M.**, Medina, M., Prada, C. Coral cryptic lineages across a depth cline. 50th Benthic Ecology Meeting, Portsmouth, US.
2021. **Gómez-Corrales, M.** & Prada, C. Cryptic lineages matter for coral conservation under climate change. Society for Integrative and Comparative Biology (SICB) meeting, US.
2021. **Gómez-Corrales, M.** & Prada, C. Cryptic lineages matter for coral conservation under climate change. Virtual Stand Alone Conference of The American Society of Naturalists, US.
2019. **Gómez-Corrales, M.**, Chamberland V, Snowden S, Vermeij M.J., Sánchez J.A. Temporal reproductive isolation uncovers cryptic speciation in a common Caribbean brain coral. Evolution. Providence, US.
2017. **Gómez-Corrales, M.**, Chamberland V, Snowden S, Vermeij M.J., Sánchez J.A. Genomic insights into a sympatric Caribbean brain coral population with two non-overlapping reproductive cohorts, *Diploria labyrinthiformis* (Scleractinia: Mussidae). European Coral Reef Symposium, Oxford, UK.
2011. **Gómez-Corrales, M.**, Flórez, E., Fajardo Medina, G. E. Estimación del número de estadios del desarrollo post-embrionarios del escorpión Tytus (Archaeotityus) colombianus (Thorell, 1846), (Scorpiones, Buthidae)". III Latin American Arachnology Conference. Armenia, Colombia.

Mentoring

B.S. students: Karen Naranjo (Universidad El Bosque, Colombia), Andrés Chilma and Diana Vergara (Universidad of Los Andes, Colombia), Myles Wagner, Willow Dunster, and Zack Bergeron (University of Rhode Island).

Collaborators

Juan A. Sánchez, *Universidad of Los Andes*; Valérie Chamberland, *SECORE International*, *CARMABI Foundation*. Tomás López, *Pennsylvania State University*. Viridiana Alvarado, *CINVESTAV-Mérida*.

Synergistic activities

2020. Current Biology Journal reviewer (1)
2020. Coral Reefs Journal reviewer (1)

Professional Societies

2022. Society for the Study of Evolution
2020. The American Genetic Association
2020. The Society for Integrative and Comparative Biology
2020. The American Naturalist
2020. The Society of Systematic Biologists
2019. International Coral Reef Society