

## CURRICULUM VITAE

### 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

2024 (Expected May). **Ph.D. Biological and Environmental Sciences**  
University of Rhode Island. Conservation genomics of Caribbean hard corals.  
Advisor: Dr. Carlos Prada.

2018. **M.S. Biological Sciences**  
Universidad of Los Andes, Bogotá D.C. Dissertation title: 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. Honor's thesis: Foraminifera as water quality bioindicators on coral reefs.  
Advisors: Dr. Juan A. Sánchez & Dr. Elvira Alvarado.

### PUBLICATIONS

**Gómez-Corrales, M.**, González, A., Kamel, B., Medina, M., Levitan, D.R., Knowlton, N., Prada, C. Speciation across depth gradients in reef corals (*in review at Science*).

Grupstra, C., **Gómez-Corrales, M.**, ..., Davies, S.W. Incorporating cryptic diversity into coral evolution, symbiosis, and conservation (*in review at Nature Ecology & Evolution*).

Rodríguez, L., Acosta, A., González-Zapata, F.L, **Gómez-Corrales, M.**, . . ., Sánchez, J.A. *Biodiversity and Conservation* (2023). Conservation at the edge: connectivity and opportunities from non-protected coral reefs close to a national park in the Colombian Caribbean.  
<https://link.springer.com/article/10.1007/s10531-022-02539-x>

**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.

**Gómez C., M.**, Flórez, E., Hernández, L., & Fajardo Medina, G. E. (2017). Post-embryonic development stages of *Tityus columbianus* (Thorell, 1846), (Scorpiones, Buthidae): morphometric estimation approach. *Revista Mutis*, 7(2), 75-80. <https://doi.org/10.21789/22561498.1257>

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.

### **PROFESSIONAL EXPERIENCE**

2021 - present **Research Assistant**. University of Rhode Island.

2020 **Teaching Assistant in Zoology of Invertebrates**. University of Rhode Island.

2019 - 2020 **Research Assistant**. University of Rhode Island.

2015 -2018 **Teaching Assistant in Zoology & Ecology**. Universidad of Los Andes, Colombia.

2012 - 2013 **Junior Researcher in Coral Reef Ecology**. Ecoral S.A.S., Colombia.

2011 -2012 **Junior Researcher in Marine Invasions**. Dr. Michael J. Ahrens, Consultancy.

### **FELLOWSHIPS, HONORS, AND AWARDS**

2023. **Sea Grant Travel Award**, University of Rhode Island Graduate School of Oceanography (**\$800**).

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** (x12), 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).

### **RESEARCH FEATURES**

**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/](http://coralreefs.org/publications/reef_encounter_51/)

Baird A and Harrison H: H1 Connect Recommendation of [**Gómez-Corrales M**, Prada C, Mol Ecol 2020 (:)]. In H1 Connect, 05 Nov 2020; 10.3410/f.738876544.793579612

### **PRESENTATIONS**

2023. **Gómez-Corrales, M.**, González, A., Kamel, B., Medina, M., Levitan, D.R., Knowlton, N., Prada, C. Coral cryptic lineages segregate across a depth cline in the Caribbean. Ecological and Evolutionary Genomics Gordon Research Conference. Rhode Island, US. *Poster*.

2023. **Gómez-Corrales, M.**, González, A., Kamel, B., Medina, M., Levitan, D.R., Knowlton, N., Prada, C. Adaptation to light drives speciation in depth-segregated corals via temporal reproductive isolation. Evolution. New Mexico, US. *Oral*.

2022. **Gómez-Corrales, M.**, Medina, M., Prada, C. Speciation in Caribbean Corals. 2<sup>nd</sup> Early Career Researcher Symposium, International Fossil Coral and Reef Society. *Oral*.

2022. **Gómez-Corrales, M.**, Tomás, L., Huntley, N., Iglesias-Prieto, R., Prada, C. Depth matters for coral restoration. Reef Futures, Key Largo, US. *Oral*.

2022. **Gómez-Corrales, M.**, Medina, M., Prada, C. Coral cryptic lineages segregate across a depth cline in the Caribbean. 15<sup>th</sup> International Coral Reef Symposium, Bremen, Germany. *Oral*.

2022. **Gómez-Corrales, M.**, Medina, M., Prada, C. Coral cryptic lineages across a depth cline. 50<sup>th</sup> Benthic Ecology Meeting, Portsmouth, US. *Oral*.

2021. **Gómez-Corrales, M.** & Prada, C. Cryptic lineages matter for coral conservation under climate change. Society for Integrative and Comparative Biology (SICB) meeting, US. *Oral*.

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. *Oral*.

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. *Poster*.

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. *Oral*.

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. *Poster*.

### **MENTORING**

Myles Wagner, Willow Dunster, and Zack Bergeron (University of Rhode Island).

Andrés Chilma and Diana Vergara (Universidad of Los Andes, Colombia)

Karen Naranjo (Universidad El Bosque, Colombia)

### **SERVICE AND OUTREACH**

2021. Student Chapter – International Coral Reef Society – English/Spanish Translator

2020. Current Biology Journal reviewer (1)

2020. Coral Reefs Journal reviewer (1)

2017. Coral Collection - Universidad of Los Andes, Bogotá D.C.

2011. Arachnology Collection – Universidad of Bogotá Jorge Tadeo Lozano.

### **PROFESSIONAL SOCIETIES**

2022. Society for the Study of Evolution

2020. The Society of Systematic Biologists

2019. International Coral Reef Society

### **LANGUAGES**

Spanish – Native

English – Advanced (C1)

Portuguese – Basic (A1)

### **REFERENCES**

Dr. Carlos Prada  
prada@uri.edu

Dr. Roberto Iglesias-Prieto  
rzi3@psu.edu

Dr. Juan A. Sánchez  
juansanc@uniandes.edu.co