**Megan O’Quin**

Columbus, OH   
  oquin.9@osu.edu

Areas of Interest: Marine Invertebrates, Paleoecology, Conservation Paleobiology, Science Communication

**Education**

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|  | Master of Science: Earth Sciences (Expected Summer 2024)  The Ohio State University – Columbus, OH   * Paleoecology * Population Ecology * Natural History of the Bahamas * Advanced Oceanography * Translating Evolution   Bachelor of Science: Earth Sciences – with Research Distinction (2021)  The Ohio State University – Columbus, OH  **Natural History Museum Curation Certificate**   * Paleontology * Sedimentology and Stratigraphy * Mineralogy and Petrology * Climatology |

**Teaching Experience**

* *The Ohio State University*: Graduate Teaching Associate, EarthSci 1200, Columbus, OH (2023-Present)
* *The Ohio State University*: Instructional Aids Assistant, Biology 1101, Columbus, OH (2022-2022)
* *The Ohio State University*: Peer Leader, Biology 1114, Columbus, OH (2021-2022)

**Research Experience**

Undergraduate Student Research: Leonard-Pingel Lab, Columbus, OH (2020-2021)

* Analysis of bivalve sub-fossil assemblages from Belizean lagoonal reefs to further understand drivers and timing of wide-spread Caribbean reef ecosystem collapse
* **O’Quin, M.** (2021, December 1). Changes in Belize coral reef bivalve assemblages over time contradicts what is seen in Panama. Handle Proxy. http://hdl.handle.net/1811/93111. ***(Undergraduate Thesis)***

Research: Leonard-Pingel Lab, Columbus, OH (2021-2022)

* Analysis of gastropod and urchin sub-fossil assemblages from Belizean lagoonal reefs to further understand drivers and timing of wide-spread Caribbean reef ecosystem collapse

Graduate Student Research: Leonard-Pingel Lab, Columbus OH (2022-Present)

* Analysis of sub-fossil assemblages in a new sediment core from a Belizean lagoonal reef to understand drivers and timing of wide-spread Caribbean reef ecosystem collapse and compare results with previous results in the area

**Conference Presentations**

* **O’Quin, M**., Cramer, K., O’Dea, A., Norris, R., & Leonard-Pingel, J. S. (2021). Changes in bivalve assemblages through time indicate long-term ecosystem change in coral reefs of Belize. Geological Society of America Abstracts with Programs, 53(6), doi: 10.1130/abs/2021AM-370132
* **O’Quin, M**., Justice, I., Cramer, K., O’Dea, A., Norris, R., & Leonard-Pingel, J. S. (2022). Coral Reef sub-fossil assemblages suggest early reef loss in Belize. Geological Society of America Abstracts with Programs, 54(5). doi: 10.1130/abs/2022AM-382885
* **O’Quin, M.,** Justice, I., Cramer, K., O’Dea, A., Norris, R. D., & Leonard-Pingel, J. S. (2023, May). Utilizing coral reef sub-fossil assemblages to assess stability and change in Belizean reef communities over the past 800 years part A. Geological Society of America Abstracts with Programs, 55(3), doi: 10.1130/abs/2023NC-387034
* Justice, I., **O'Quin, M**., Cramer, K., O’Dea, A., Norris, R. D., & Leonard-Pingel, J. S. (2023). Utilizing coral reef sub-fossil assemblages to assess stability and change in Belizean reef communities over the past 800 years part B. Geological society of America Abstracts with Programs, 55(3), doi: 10.1130/abs/2023NC-386776
* **O’Quin, M**., Manross, M., Justice, I., Cramer, K., O’Dea, A., Norris, R. D., & Leonard-Pingel, J. S. (2023). Uncovering the Past: Utilizing invertebrate sub-fossil assemblages from Belizean lagoonal reefs to determine drivers and timing for Caribbean reef ecosystem decline. Geological Society of America Abstracts with Programs, 55(6), doi: 10.1130/abs/2023AM-392784
* **O’Quin, M**., Milagros-Thompson, C., McLellan, O., Workman, R., Justice, I., & Leonard-Pingel, J. S. (2023). Burrowing into terrestrial paleoecology with modern analogues: observations of dermestid beetle damage on skeletal material. Geological Society of America Abstracts with Programs, 55(6). doi: 10.1130/abs/2023AM-395866

**Honors and Awards**

* Paleontological Society Student Research Grant (2024)
* The Office of International Affairs International Research and Scholarship Grant (2024)
* Paleontological Society Journal Editorial Internship (2023)
* University Fellowship (2022-2023)
* Friends of Orton Hall Grant (2021, 2022, 2023)

**Professional Affiliations and Memberships**

* Geological Society of America (GSA)
* Paleontological Society (PS)
* American Institute of Professional Geologists (AIPG)
* American Geophysical Union (AGU)

**Certifications and Licenses**

* PADI – Open Water Diver Certification

**Outreach**

* Letters to a Pre-Scientist (2023-2024)
* Organizing Committee for the conference ‘Creating LGBTQ-mmunities in Paleosciences’ (2023, 2024)
* GHRO Outreach Event (2022)
* SELF Scholarship Program Outreach Event (2024)