

# Victor J. Perez, Ph.D.

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## Education

- Ph.D., University of Florida, Gainesville, Florida August 2014–August 2020  
**Major:** Geological Sciences GPA: 3.97  
**Minors:** Biology, Science Education  
**Dissertation:** *Florida's Chondrichthyan Fossil Record (Eocene–Pleistocene)*
- B.S. with Honors, The Ohio State University, Columbus, Ohio September 2009–May 2013  
**Major:** Earth Sciences GPA: 3.56 (*magna cum laude*)  
**Minor:** Mathematics  
**Thesis:** *Isolation and Characterization of Organic Molecules from Mississippian-age Crinoids*

## Employment

| <u>Title</u>                      | <u>Employer</u>  | <u>Date</u>  |
|-----------------------------------|--|--------------|
| Visiting Assistant Professor      | St. Mary's College of Maryland,<br>Environmental Studies Department    | 2022–Present |
| Assistant Curator of Paleontology | Calvert Marine Museum  | 2020–2022    |
| Adjunct Faculty                   | St. Mary's College of Maryland,<br>Environmental Studies Department    | 2022         |
| Adjunct Faculty                   | College of Southern Maryland,<br>STEM Program                          | 2021         |
| Freelance Editor                  | Scholastic, Inc.   | 2021         |
| FLMNH Dickinson Fellow            | University of Florida/Florida Museum                                   | 2019–2020    |
| STEM Content Expert               | Thompson Earth Systems Institute,<br>Scientist in Every Florida School | 2018–2020    |
| NSF Graduate Research Fellow      | University of Florida/Florida Museum                                   | 2015–2020    |
| McKnight Doctoral Fellow          | University of Florida/Florida Museum                                   | 2014–2020    |
| Summer Camp Instructor            | Florida Museum   | 2018         |
| Teaching Assistant                | University of Florida, Geology Department                              | 2016         |
| Earth Science Content Expert      | University of Florida, College of Education                            | 2015         |
| Environmental Science Instructor  | Montgomery Housing Partnership   | 2014         |
| Paleontology Intern               | Calvert Marine Museum  | 2013–2014    |
| Archaeology Intern                | Historic London Town and Gardens,<br>Lost Towns Project                | 2013         |
| Undergraduate Student Researcher  | The Ohio State University,<br>Earth Sciences Department                | 2010–2013    |
| Undergraduate Student Researcher  | Shell Undergraduate Research Experience                                | 2012         |

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## **Grant Funded Projects**

- NSF Award #2147625 2022–Present  
**Role:** Co-Principal Investigator  
**Title:** Integrating AI Machine Learning into the Teaching of Paleontology Using Fossil Shark Teeth in Middle Schools
- UF Moonshot Initiative 2018–2020  
**Role:** STEM Content Expert  
**Title:** Scientist in Every Florida School (SEFS)
- NSF Award #1510410 2016–2020  
**Role:** Graduate Research Assistant  
**Title:** iDigFossils: Engaging K-12 Students in Integrated STEM via 3D Digitization, Printing and Exploration of Fossils
- NSF Award #1547229 2016–2020  
**Role:** Graduate Research Assistant  
**Title:** iDigBio: Integrated Digitized Biocollections Phase 2
- NSF Award #1322725 2014–2020  
**Role:** Graduate Research Assistant  
**Title:** FOSSIL – Fostering Opportunities for Synergistic STEM with Informal Learners
- NSF Award #1358919 2014–2019  
**Role:** Graduate Research Assistant  
**Title:** Research Experience for Teachers: The Great American Biotic Interchange (GABI) – The Panama Connection
- NSF Award #1240035 2017–2018  
**Role:** Undergraduate Student Mentor  
**Title:** STEM EduGators: UF Noyce Scholars Program
- NSFAward #1645530 2016–2018  
**Role:** Graduate Research Assistant  
**Title:** RAPID: Salvage Excavation of a Critically Important Late Miocene Fossil Deposit in North-Central Florida: A Rare Opportunity for Science and Education
- NSF Award #0966884 2014–2016  
**Role:** Graduate Research Assistant  
**Title:** Partnerships in International Research and Education – Ancient biodiversity and global change in the New World Tropics: A once-in-a-century opportunity along the Panama Canal
- NSF Award #1050166 2015  
**Role:** Earth Science Content Expert  
**Title:** U-FUTuRES – University of Florida Unites Teachers to Reform Education in Science
- NSF Award #1133094 2011–2012  
**Role:** Undergraduate Lab Assistant/Student Researcher  
**Title:** Role of Organic Matter Source on the Photochemical Fate of Pharmaceutical Compounds

## **Peer-Reviewed Publications**

- <sup>1</sup>Godfrey, S.J., Murdoch, P., Dewaele, L., **Perez, V.J.**, and Schumaker, C. In Press. First report in the fossil record of a shark tooth embedded in a pinniped bone. *Comptes Rendus Palevol*.
- <sup>2</sup>Clinton, J.M., Visaggi, C.C., **Perez, V.J.**, Tweet, J.S., and Santucci, V.L. 2023. Fossil chondrichthyans and other new paleontological resources at Gulf Islands National Seashore. *New Mexico Museum of Natural History and Science Bulletin*, 90.
- <sup>3</sup>Waisome, J.A.M., Parnell, D.R., Antonenko, P., Abramowitz, B., **Perez, V.J.** 2023. Shark AI: teaching middle school students AI fundamentals using fossil shark teeth. *2023 ASEE Annual Conference and Exposition*.
- <sup>4</sup>**Perez, V.J.** 2022. The chondrichthyan fossil record of the Florida platform (Eocene–Pleistocene). *Paleobiology*, <https://doi.org/10.1017/pab.2021.47>.
- <sup>5</sup>Shimada, K., Maisch, H.M., **Perez, V.J.**, Becker, M.A., and Griffiths, M.L. 2022. Revisiting body size trends and nursery areas of the Neogene megatooth shark, *Otodus megalodon* (Lamniformes: Otodontidae) reveals Bergmann’s rule possibly enhanced its gigantism in cooler waters. *Historical Biology*, <https://doi.org/10.1080/08912963.2022.2032024>.
- <sup>6</sup>**Perez, V.J.**, Godfrey, S.J., and Chapman, P. 2021. Rare evidence of shark-on-shark trophic interactions in the fossil record. *Acta Palaeontologica Polonica*, 66(4):847–856.
- <sup>7</sup>**Perez, V.J.**, Leder, R.M., and Badaut, T. 2021. Body length estimation of Neogene macrophagous lamniform sharks (*Carcharodon* and *Otodus*) derived from associated fossil dentitions. *Palaeontologia Electronica*, 24(1).
- <sup>8</sup>Ziegler, M.J., **Perez, V.J.**, Pirlo, J., Narducci, R.E., Moran, S.M., Selba, M.C., Hastings, A.K., Vargas Vergara, C., Antonenko, P.D., and MacFadden, B.J. 2020. Applications in 3D paleontological data at the Florida Museum of Natural History. *Frontiers in Earth Science*, 8.
- <sup>9</sup>Stoneburg, B., **Perez, V.J.**, Lundgren, L., Ziegler, M., and Santos, G. 2020. Cosplay for Science: leveraging pop culture to make science more accessible. *Exhibition*. Fall 2020:98–103.
- <sup>10</sup>**Perez, V.J.**, Moran, S.M., and Grant, C. 2020. A novel evaluation tool for characterizing audiences in informal education settings. *Journal of Museum Education*, 45(3):314–326.
- <sup>11</sup>**Perez, V.J.**, Leder, R.M., Lundgren, L., Ellis, S., Dunkel, B., and Crippen, K. 2020. The Belgrade PaleoBlitz: a pilot project to engage amateur paleontologists. *Palaeontologia Electronica*, 23(1).
- <sup>12</sup>**Perez, V.J.**, Godfrey, S.J., Kent, B.W., Weems, R.E., and Nance, J.R. 2019. The transition between *Carcharocles chubutensis* and *Carcharocles megalodon* (Otodontidae, Chondrichthyes): lateral cusplet loss through time. *Journal of Vertebrate Paleontology*, 38(6).
- <sup>13</sup>Pirlo, J., MacFadden, B.J., Gardner, E.E., **Perez, V.J.**, and Porcello, D. 2018. Connecting fossil clubs with K-12 teachers. *Connected Science Learning*, 6.
- <sup>14</sup>Lundgren, L., Crippen, K.J., Gardner, E.E., **Perez, V.J.**, and Leder, R.M. 2018. Mental models and social media personas: a case of amateur paleontologists. *International Journal of Social Media and Interactive Learning Environments*, 6(1):44-69.
- <sup>15</sup>**Perez, V.J.** and Marks, K.W. 2017. The first documented fossil records of *Isistius* and *Squatina* (Chondrichthyes) from Florida, with an overview of the associated vertebrate fauna. *Bulletin of the Florida Museum of Natural History*, 55(7):139–155.
- <sup>16</sup>**Perez, V.J.**, Pimiento, C., Hendy, A., Gonzalez-Barba, G., Hubbell, G., and MacFadden, B. 2017. Late Miocene chondrichthyans from Lago Bayano, Panama: Functional diversity, environment and biogeography. *Journal of Paleontology*, 91(3):512–547.
- <sup>17</sup>MacFadden, B.J., Jones, D.S, Jud, N.A., Moreno-Bernal, J.W., Morgan, G.S, Portell, R.W., **Perez, V.J.**, Moran, S.M., and Wood, A.R. 2017. Integrated chronology, flora and faunas, and paleoecology of the Alajuela Formation, late Miocene of Panama. *PLoS ONE*, 12(1).

<sup>18</sup>Grant, C.A., MacFadden, B.J., Antonenko, P., and **Perez, V.J.** 2017. 3D Fossils for K12 Education: a case example using the giant extinct shark *Carcharocles megalodon*. *The Paleontological Society Papers*, 22:197–209.

### **College Teaching Experience**

| <b>Course Title</b>   | <b>Position</b>          | <b>School</b> | <b>Year</b>         |
|---|--------------------------|---------------|---------------------|
| Natural History Collections:<br>Management and Applications | Visting Professor        | SMCM          | FA23                |
| AI and Natural History                                      | Visiting Professor       | SMCM          | SP23                |
| Environment and Society                                     | Visiting Professor       | SMCM          | SP23                |
| Environmental Studies Junior Seminar                        | Visiting Professor       | SMCM          | FA22                |
| Earth Systems (Lecture and Lab)                             | Adjunct & Visiting Prof. | SMCM          | SP22,<br>FA22, FA23 |
| Geology Field Camp  | Field Guide              | JMU           | SU22                |
| Invertebrate Paleontology & Taphonomy                       | Field Guide              | RU            | SP22                |
| Physical Geology  | Adjunct Faculty          | CSM           | FA21                |
| Marine Geology  | Field Guide              | KU            | FA21                |
| Curatorial Methods – Intro to Natural History               | Guest Lecturer           | UF            | FA20                |
| Perspectives in Ecological Research                         | Guest Lecturer           | UF            | FA19                |
| Elementary Science Methods for the Inclusive<br>Classroom   | Guest Lecturer           | UF            | FA18,<br>SP19, FA19 |
| Florida Vertebrate Paleontology                             | Guest Lecturer           | UF            | FA18, SP19          |
| Paleontology  | Guest Lecturer           | UF            | SP17                |
| Broader Impacts of Science on Society                       | Guest Lecturer           | UF            | FA17                |
| Climate Change: Science and Solutions                       | Teaching Assistant       | UF            | FA16                |

**SMCM:** St. Mary’s College of Maryland; **JMU:** James Madison University; **RU:** Rowan University; **CSM:** College of Southern Maryland; **KU:** Kutztown University; **UF:** University of Florida

### **Mentorship**

| <b>Mentee</b>           | <b>Type of Mentorship</b>      | <b>Career Stage</b> | <b>Year</b>  |
|-------------------------|--------------------------------|---------------------|--------------|
| Luke Schwenk            | Research                       | Undergraduate       | 2022–Present |
| Marcus Jones            | Research, Curation, Outreach   | Undergraduate       | 2022–Present |
| Mason Hintermeister     | Research, Curation, & Outreach | Undergraduate       | 2022–Present |
| Stephanie Killingsworth | Research                       | Graduate            | 2021–Present |
| Stephen Groff           | Research, Curation, & Outreach | Undergraduate       | 2020–Present |
| Lee Cone                | Research                       | Retired             | 2016–Present |
| John Michael Clinton    | Research                       | Graduate            | 2021–2023    |
| Adam Lindholm           | Research & Curation            | Undergraduate       | 2021         |
| Jessica Allen           | Curation & Outreach            | Undergraduate       | 2021         |
| Taylor Swanson          | Curation & Outreach            | Early Career        | 2020–2021    |

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|-----------------|--------------------------------|---------------|-----------|
| Fauve Wilson    | Research, Curation, & Outreach | Undergraduate | 2018–2020 |
| Destiny Andrews | Curation                       | Undergraduate | 2018      |
| Alex Lounders   | Curation & Outreach            | Undergraduate | 2017–2018 |

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## **Invited Presentations**

| <b>Presentation Title</b>  | <b>Invited By</b>  | <b>Year</b> |
|--|--|-------------|
| The Impacts of Oxide Mineralization on Fossil Preservation, Coastal Erosion, and Shoreline Ecosystems along Calvert Cliffs | St. Mary's College of Maryland                           | 2022        |
| The Evolution, Ecology, and Anatomy of Megalodon   | New Jersey State Museum                                  | 2022        |
| The Evolution, Ecology, and Anatomy of Megalodon   | Delaware Valley Paleontological Society                  | 2022        |
| Evolution, Ecology, and Body Size of <i>Otodus megalodon</i>   | Scientist Cliffs Association                             | 2021        |
| Sharks and Rays of Florida: a 45-million-year history  | Tampa Bay Fossil Club                                    | 2021        |
| Maryland's Fossil Sharks: What tales do shark teeth tell?  | Delaware Valley Paleontological Society                  | 2021        |
| Evolution, Ecology, and Body Size of <i>Otodus megalodon</i>   | Maryland Geological Society & American Fossil Federation | 2021        |
| Maryland's Fossil Sharks: What tales do shark teeth tell?  | Audobon Naturalist Society                               | 2021        |
| Maryland's Fossil Sharks: What tales do shark teeth tell?  | Natural History Society of Maryland                      | 2021        |
| Sharks and Rays of Florida: a 45-million-year history  | Calvert Marine Museum                                    | 2021        |
| Opportunities and Resources at the Florida Museum  | UF Geology Department                                    | 2020        |
| Sharks and Rays of Florida: a 45-million-year history  | Randell Research Center                                  | 2019        |
| The Geologic Background Behind Florida's Fossil Record   | Gainesville Gem & Mineral Society                        | 2019        |
| Sharks and Rays of Florida: a 45-million-year history  | Florida Paleontological Society                          | 2019        |
| How Big was Megalodon?   | Fossil Club of Lee County                                | 2018        |
| The Cookiecutter Shark, <i>Isistius</i> : The real cookie monster  | Aurora Fossil Museum                                     | 2017        |
| Florida's Fossil Record of Sharks and Rays   | Gainesville Gem & Mineral Society                        | 2017        |
| Opportunities and Resources at the Florida Museum: The Montbrook Fossil Dig and myFOSSIL                                   | Fossil Club of Lee County                                | 2016        |
| Evolution and Body Size of <i>Carcharocles megalodon</i> based on Dental Anatomy   | North American Research Group                            | 2016        |
| Late Miocene Sharks, Rays, and Rodents from Lago Bayano, Panama  | Smithsonian Tropical Research Institute                  | 2016        |
| Sharks and Rays from the Late Miocene (10 mya) of Panama   | Southwest Florida Fossil Society                         | 2016        |
| Sharks and Rays from the Late Miocene (10 mya) of Panama   | Florida Fossil Hunters                                   | 2015        |
| The Transition from <i>Carcharocles chubutensis</i> to <i>Carcharocles megalodon</i> based on Tooth Morphology             | Aurora Fossil Museum                                     | 2015        |
| The Transition from <i>Carcharocles chubutensis</i> to <i>Carcharocles megalodon</i>                                       | Florida Fossil Hunters                                   | 2015        |

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| The Transition from <i>Carcharocles chubutensis</i> to <i>Carcharocles megalodon</i>                              | Fossil Club of Lee County | 2015 |
| The Transition from <i>Carcharocles chubutensis</i> to <i>Carcharocles megalodon</i> along the Calvert Cliffs, MD | Calvert Marine Museum     | 2014 |

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### **Conference Presentations**

- Perez, V.**, Groff, S., Hintermeister, M., and MacFadden, B. 2023. Exploration of Free Web-based Machine Learning Platforms for Paleontology Applications. Society of Vertebrate Paleontology. Cincinnati, OH. (Poster)
- MacFadden, B., Antonenko, P., **Perez, V.**, Waisome, J., Abramowitz, B., Killingsworth, S., and Parnell, D. 2023. Fossil Shark Teeth Activate Engagement and Learning About AI (Artificial Intelligence) in Florida Public Middle Schools. Society of Vertebrate Paleontology. Cincinnati, OH. (Poster)
- Abramowitz, B., Antonenko, P., MacFadden, B., **Perez, V.**, and Waisome, J. 2023. Teaching Middle School Students AI Fundamentals Using Fossil Shark Teeth. Association for Educational Communications and Technology. Orlando, FL. (Oral)
- Waisome, J.A.M., Parnell, D.R., Antonenko, P., Abramowitz, B., **Perez, V.** 2023. Shark AI: Teaching Middle School Students AI Fundamentals Using Fossil Shark Teeth. American Society for Engineering Education. Baltimore, MD. (Poster)
- Perez, V.**, Hazen, R., Bowers, G. Nance, J. 2022. The Impacts of Oxide Mineralization on Fossil Preservation, Coastal Erosion, and Shoreline Ecosystems along the Calvert Cliffs. St. Mary's Marine Science Symposium. St. Mary's, MD. (Oral)
- Schwenk, L., **Perez, V.**, Godfrey, S., Bowers, G. 2022. Changes in Composition of Shark Teeth through Time: 250 mya–Present. St. Mary's Marine Science Symposium. St. Mary's, MD.
- Perez, V.**, Hazen, R., Bowers, G. Nance, J. 2022. The Hydrologic and Taphonomic Implications of Oxide Mineralization along the Calvert Cliffs, Maryland, U.S.A. Geological Society of America Abstracts with Programs, 54(5). Denver, CO. (Poster)
- Groff, S. and **Perez, V.** 2022. A Closer Look at the Relationship Between a New Pinnotheroid Pea Crab from the Miocene St. Marys Formation, and its Preferred Host the Surf Clam *Mactrodesma subponderosa*. Geological Society of America Abstracts with Programs, 54(5). Denver, CO. (Poster)
- MacFadden, B., Antonenko, P., Magruder, J., **Perez, V.**, Abramowitz, B., Killingsworth, S. 2022. Integrating AI Machine Learning into the Teaching of Paleontology Using Fossil Shark Teeth in Middle Schools. AI in Education Mini-Symposium. Gainesville, FL. (Poster)
- Cone, L. and **Perez, V.** 2022. Morphology of shark teeth from two species of mid-Miocene sharks: *Carcharodon hastalis* and *Carcharodon planus*, and possible ecological implications. Geological Society of America NC/SE joint sectional meeting, 54(4). Cincinnati, OH. (Oral)
- Maisch, H., Becker, M., **Perez, V.**, Shimada, K. 2021. Elasmobranchs from the Peace River and Tamiami Formations (Miocene-Pliocene) on the Submerged Continental Shelf near Venice, Florida, USA. Society of Vertebrate Paleontology. Virtual (Poster).
- Groff, S., **Perez, V.\***, Nance, J.R., Cole, S., Wright, D.F. 2021. Exceptional Preservation and Active Taphonomic Alteration of the Late Miocene Brittle Star, *Ophiura marylandica*. Geological Society of America Abstracts with Programs, 53(6). Portland, OR. (Poster).
- Groff, S., **Perez, V.**, Nance, J.R., Schweitzer, C., Feldmann, R.M. 2021. A new pinnotheroid pea crab (Decapoda, Brachyura, Pinnotheroidea) from the Miocene St. Marys Formation exhibiting preferential symbiosis with the surf clam *Mactrodesma subponderosa*. Geological Society of America Abstracts with Programs, 53(6). Portland, OR. (Poster)

- Vitek, N.S., Hoeflich, J., Magallanes, I., Moran, S.M., Narducci, R.E., Ocon, S.B., **Perez, V.**, Pirlo, J., Riegler, M., Rogers, M., Selba, M.C., Vallejo-Pareja, M.C., Ziegler, M.J., Granatosky, M.C., Bloch, J.I. 2020. Phylogeny of Fossil and Extant New World Porcupines: Early Pleistocene Porcupines in Temperate North America Retained Characteristic Tropical, Arboreal Morphology. *Society of Vertebrate Paleontology*, 80:331. Virtual (Oral).
- Perez, V.** 2019. Sharks and Rays of Florida: a 45-million-year history. Diversity Graduate Research Symposium. Gainesville, FL. (Poster)
- Perez, V.** 2019. Chondrichthyan Diversity of Florida in Response to Cenozoic Climate Change. *Society of Vertebrate Paleontology*, 79:169. Brisbane, Australia. (Poster)
- Ziegler, M., Steadman, D., Jaeger, J., **Perez, V.**, MacFadden, B. 2019. Paleoenvironmental Analysis of an Unusual Fossil Locality from the Late Miocene in Northern Florida. *Society of Vertebrate Paleontology*, 79:224. Brisbane, Australia. (Poster)
- Perez, V.** and Crippen, K. 2019. Swimming into Science: Sharks and Minnows Summer Camp. *Geological Society of America Abstracts with Programs*, 51(5). Phoenix, AZ. (Oral)
- Perez, V.** 2019. Public-Professional Partnerships in Paleontology Research: Serendipity vs. Strategic. North American Paleontological Convention. Riverside, CA. (Oral)
- Perez, V.** 2019. Chondrichthyan Diversity across the Eocene-Oligocene Transition of Florida. *Geological Society of America SE sectional meeting*, 51(3). Charleston, SC. (Oral)
- Wilson, F., **Perez, V.**, Magallanes, I., MacFadden, B.J. 2019. Diversity and paleoecology of early Miocene chondrichthyans from the Belgrade Quarry (Maysville, North Carolina). *Geological Society of America SE sectional meeting*, 51(3). Charleston, SC. (Oral)
- Pirlo, J., MacFadden, B.J., Gardner, E.E., **Perez, V.**, Porcello, D. 2018. *Fossils4Teachers!* – Connecting Fossil Clubs with K-12 Teachers. *Geological Society of America Abstracts with Programs*, 50(6). Indianapolis, IN. (Poster)
- Perez, V.**, Leder, R., Badaut, T. 2018. Body Length Estimates of Fossil Lamniform Sharks derived from Summed Width of Associated Dentitions. *Society of Vertebrate Paleontology*, 78:196-197. Albuquerque, NM. (Poster)
- Grant, C., Hendrickson, M., MacFadden, B., **Perez, V.\***, Antonenko, P. 2018. How Big Was Megalodon? Hands-On Science Learning Using 3D-Printed Shark Teeth. National Science Teachers Association (NSTA) Annual Meeting. Atlanta, GA. (Oral)
- Antonenko, P. et al. 2018. Integrative STEM learning Using 3D Scanning and Printing Technologies: Evidence from a Mixed-Method Study. The National Association for Research in Science Teaching (NARST) Annual Meeting. Atlanta, GA. (Oral)
- Perez, V.** and Marks, K. 2017. The Plio-Pleistocene vertebrate fauna of Cookiecutter Creek (Sarasota County, FL), including two new chondrichthyan taxa for the Florida fossil record. *Geological Society of America Abstracts with Programs*, 49(6). Seattle, WA. (Oral)
- Lundgren, L., Crippen, K., Gardner, E., **Perez, V.**, Leder, R. 2017. Conceptualizing social paleontology: An exploration of mental models. National Association for Research in Science Teaching (NARST) Annual Meeting. San Antonio, TX. (Oral)
- Perez, V.**, Leder, R., Lundgren, L., Ellis, S., Dunckel, B., Crippen, K. 2017. The Belgrade PaleoBlitz: A pilot project to engage amateur paleontologists. *Geological Society of America NE/NC joint sectional meeting*, 49(2). Pittsburgh, PA. (Oral)
- Perez, V.**, Leder, R.M., Lundgren, L.M., Ellis, S., Dunckel, B.A. 2016. PaleoBlitz: Promoting best practices in paleontology. *Geological Society of America Abstracts with Programs*, 48(7). Denver, CO. (Poster)
- Leder, R., **Perez, V.**, Badaut, T. 2016. Simplifying the methods - Body length estimates for *Carcharocles megalodon* using associated tooth sets and jaw width related data from Great

- White sharks and Makos. Geological Society of America Abstracts with Programs, 48(7). Denver, CO. (Poster)
- Perez, V.**, Godfrey, S.J., Nance, J. 2016. The Calvert Marine Museum: a community collaboration. Geological Society of America SE sectional meeting, 48(3). Columbia, SC. (Oral)
- Perez, V.**, Pimiento, C., Hendy, A., MacFadden, B., Gonzalez-Barba, G., Hubbell, G. 2016. Late Miocene chondrichthyans from Lago Bayano, Panama: functional diversity, environment and biogeography. McKnight Doctoral Fellowship Mid-Year Meeting. Tampa, FL. (Oral)
- Perez, V.**, Pimiento, C., Hendy, A., MacFadden, B., Gonzalez-Barba, G., and Hubbell, G. 2015. Late Miocene chondrichthyans from Lago Bayano, Panama with implications for a marine connection between the Caribbean and Pacific. Geological Society of America Abstracts with Programs, 47(7). Baltimore, MD. (Oral)
- Perez, V.**, Grant, C., Hendrickson, M., Tovani, J. 2015. Measuring Megalodon: classroom driven research made possible with 3D technology. Geological Society of America Abstracts with Programs, 47(7). Baltimore, MD. (Poster)
- Morgan, G., Bloch, J., Derenzis, A., Alicea, J., **Perez, V.**, Denetclaw, U., Rincon, A., MacFadden, B., Wood, A. 2015. Miocene Rodents (Sciuridae, Jimomyidae, Heteromyidae, Cricetidae) from Panama. Society of Vertebrate Paleontology, 75:184. Dallas, TX. (Poster)
- Grant, C., Moran, S., **Perez, V.**, Boyer, D., Tovani, J., Hendrickson, M. 2015. PaleoTEACH: STEM Integration through Paleontology and 3D Technology for K-12 Education. Society of Vertebrate Paleontology, p. 134. Dallas, TX. (Poster)
- Perez, V.**, Pimiento, C., Hendy, A., Hubbell, G., and MacFadden, B. 2015. Sharks (Chondrichthyes) of the Chucunaque Formation of Lago Bayano and their Biogeographic Implications. Network for Neotropical Biogeography, 4. Panama City, Panama. (Oral)
- Perez, V.** and Godfrey, S. 2014. The Distribution of *Carcharocles chubutensis* and *Carcharocles megalodon* Teeth within the Chesapeake Group, Maryland, U.S.A. and its Possible Evolutionary Implications. Geological Society of America Abstracts with Programs, 221(11). Vancouver, Canada. (Poster)
- Perez, V.**, Ausich, W., Chin, Y. 2013. Isolation and Characterization of Organic Molecules in Mississippian-age Crinoids. Geological Society of America Abstracts with Programs, 127(11). Denver, CO. (Poster)
- Perez, V.**, Ausich, W., Chin, Y. 2013. Isolation and Characterization of Organic Molecules in Mississippian-age Crinoids. Denman Undergraduate Research Forum. Columbus, OH. (Poster)
- Perez, V.** and Chin, Y.-P. 2012. Dissolved organic matter contains previously unidentified fluorophores in Old Woman Creek. Geological Society of America Abstracts with Programs, 157(19). Charlotte, NC. (Poster)

### **Professional Development Workshops**

| <b>Program Title</b>                                     | <b>Role</b>       | <b>Year</b> |
|--|-------------------|-------------|
| SMCM Project Ocean K-12 Teacher Workshop                 | Field Trip Leader | 2023        |
| NSF ITEST Machine Learning Teacher Workshop              | Co-organizer      | 2023        |
| Master Naturalist Fossil Field Experience                | Field Trip Leader | 2023        |
| NSF ITEST Machine Learning Teacher Workshop              | Co-organizer      | 2022        |
| Master Naturalist Fossil Field Experience                | Field Trip Leader | 2022        |
| Mid-Atlantic Marine Educators Association Conference     | Field Trip Leader | 2021        |
| California STEM Institute for Innovation and Improvement | Session Leader    | 2021        |
| Artificial Intelligence in Natural History               | Session Leader    | 2021        |
| Nature of Science Research Experience for Teachers       | Session Leader    | 2020        |
| Raise the Bar Conference for K12 Teachers                | Session Leader    | 2020        |

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|--|-------------------|------|
| Imaging and Digitization for Amateurs  | Session Leader    | 2019 |
| Women in Science and Engineering Spring Break Camp                           | Field Trip Leader | 2019 |
| Society of Vertebrate Paleontology Elementary Educator Workshop              | Session Leader    | 2018 |
| K12 Professional Development   | Session Leader    | 2018 |
| Women in Science and Engineering Spring Break Camp                           | Field Trip Leader | 2018 |
| P.K. Yonge 3D Clinic   | Session Leader    | 2017 |
| GABI-Research Experience for Teachers Summative Meeting                      | Field Trip Leader | 2017 |
| Fossils4Teachers Professional Development                                    | Co-organizer      | 2017 |
| Women in Science and Engineering Spring Break Camp                           | Field Trip Leader | 2017 |
| Geological Society of America Short Course                                   | Lead Organizer    | 2016 |
| K12 Professional Development   | Session Leader    | 2016 |
| Center for Precollegiate Education and Training K12 Professional Development | Session Leader    | 2016 |
| Cincinnati Mini Conference   | Co-organizer      | 2016 |
| GABI-Research Experience for Teachers Orientation                            | Field Trip Leader | 2016 |
| Belgrade PaleoBlitz  | Lead Organizer    | 2016 |
| 3D Digitization for Educators & Citizen Scientists                           | Session Leader    | 2015 |
| Calvert Marine Museum Mini Conference  | Lead Organizer    | 2015 |

## **Exhibits and Special Programs**

| <b>Program Title (Host)</b>   | <b>Location</b>  | <b>Year</b> |
|---|------------------|-------------|
| Chondrichthyes: Evolution, Classification, and Compared Anatomy (Océanopolis) | Brest, France    | 2023        |
| SharkFest (CMM)   | Solomons, MD     | 2023        |
| SharkFest (CMM)   | Solomons, MD     | 2022        |
| Discovering Archaeology Day (Jefferson Patterson Park)                        | St. Leonard, MD  | 2022        |
| Universal Coprolite Day (CMM)   | Solomons, MD     | 2022        |
| Megalodon Skeletal Model Update (CMM)   | Solomons, MD     | 2022        |
| Patuxent River Appreciation Day (CMM)   | Solomons, MD     | 2021        |
| Sharks Lecture Series (CMM)   | Solomons, MD     | 2021        |
| SharkFest (CMM)   | Solomons, MD     | 2021        |
| Sharks! Sink your teeth in! (CMM)   | Solomons, MD     | 2021        |
| Decoding Megalodon documentary (Curiosity Stream)                             | Solomons, MD     | 2021        |
| National Fossil Day Museum Tour Livestream (CMM)                              | Solomons, MD     | 2020        |
| Megalodon Exhibit Virtual Member Reception (FLMNH)                            | Gainesville, FL  | 2020        |
| Nature of Science Webinar (TESI)  | Gainesville, FL  | 2019        |
| Scouts – Digging the Past (UF Geology & FLMNH)                                | Gainesville, FL  | 2019        |
| Depot Park Pop-up Museum (FLMNH)  | Gainesville, FL  | 2019        |
| Williston Peanut Festival Pop-up Museum (FLMNH)                               | Williston, FL    | 2019        |
| CROCS Exhibit (FLMNH)   | Gainesville, FL  | 2019        |
| Can You Dig It? (UF Geology & FLMNH)  | Gainesville, FL  | 2019        |
| Epoch Night Members Reception (FLMNH)   | Gainesville, FL  | 2019        |
| Little Ears (Shands Hospital, University of Florida)                          | Gainesville, FL  | 2019        |
| Williston Peanut Festival Pop-up Museum (FLMNH)                               | Williston, FL    | 2018        |
| FOSSIL Project Exhibit Booth (Geological Society of America)                  | Indianapolis, IN | 2018        |
| National Fossil Day (FLMNH)   | Gainesville, FL  | 2018        |

|  |                   |      |
|--|-------------------|------|
| Aurora Fossil Festival Exhibit Booth (Aurora Fossil Museum)  | Aurora, NC        | 2018 |
| Can You Dig It? (UF Geology & FLMNH)                         | Gainesville, FL   | 2018 |
| 100-year Anniversary Vert Paleo Highlight (FLMNH)            | Gainesville, FL   | 2017 |
| National Fossil Day (FLMNH)                                  | Gainesville, FL   | 2017 |
| FOSSIL Project Exhibit Booth (Geological Society of America) | Seattle, WA       | 2017 |
| 100-year Anniversary Gala (FLMNH)                            | Gainesville, FL   | 2017 |
| Aurora Fossil Festival Exhibit Booth (Aurora Fossil Museum)  | Aurora, NC        | 2017 |
| Depot Park Pop-up Museum (FLMNH)                             | Gainesville, FL   | 2017 |
| Depot Park Pop-up Museum (FLMNH)                             | Gainesville, FL   | 2016 |
| National Fossil Day (South Florida Museum)                   | Bradenton, FL     | 2016 |
| FOSSIL Project Exhibit Booth (Geological Society of America) | Denver, CO        | 2016 |
| Can You Dig It? (UF Geology & FLMNH)                         | Gainesville, FL   | 2016 |
| FOSSIL Project Exhibit Booth (Geological Society of America) | Baltimore, MD     | 2015 |
| National Fossil Day (South Florida Museum)                   | Bradenton, FL     | 2015 |
| Guinness World Record Event (South Florida Museum)           | Bradenton, FL     | 2015 |
| Aurora Fossil Festival Exhibit Booth (Aurora Fossil Museum)  | Aurora, NC        | 2015 |
| Earth Day Festival (FLMNH)                                   | Gainesville, FL   | 2015 |
| Can You Dig It? (UF Geology & FLMNH)                         | Gainesville, FL   | 2015 |
| T. rex Named Sue Exhibit (FLMNH)                             | Gainesville, FL   | 2015 |
| FOSSIL Project Exhibit Booth (Geological Society of America) | Vancouver, Canada | 2014 |
| Megalodon Exhibit (FLMNH)                                    | Gainesville, FL   | 2014 |
| National Fossil Day (South Florida Museum)                   | Bradenton, FL     | 2014 |
| Can You Dig It? (UF Geology & FLMNH)                         | Gainesville, FL   | 2014 |
| Patuxent River Appreciation Day (CMM)                        | Solomons, MD      | 2013 |
| National Fossil Day (Orton Hall Museum)                      | Columbus, OH      | 2012 |

### **K-12 Classroom Visits**

| <b>School</b>                             | <b>Topic</b>          | <b>Location</b>     | <b>Year</b> |
|---|-----------------------|---------------------|-------------|
| Delta Charter High School Virtual Visit   | Megalodon             | Aptos, CA           | 2022        |
| Branham High School Virtual Visit         | Museum Exhibits       | San Jose, CA        | 2022        |
| Dynard Elementary School Virtual Visit    | MD Paleontology       | Chaptico, MD        | 2021        |
| Cordova Park Elementary School (TESI)     | Fossil Identification | Pensacola, FL       | 2020        |
| Fort Clarke Middle School (TESI)          | STEM Careers          | Gainesville, FL     | 2020        |
| Santa Fe High School (TESI)               | STEM Careers          | Alachua, FL         | 2020        |
| Ransom Middle Virtual Visit (TESI)        | STEM Careers          | Cantonment, FL      | 2019        |
| Westwood Middle School (TESI)             | Ask-a-Scientist       | Gainesville, FL     | 2019        |
| Belvedere Elementary School (TESI)        | Nature of Science     | West Palm Beach, FL | 2019        |
| Villas Elementary School (TESI)           | Rocks & Minerals      | Fort Myers, FL      | 2019        |
| Tropic Isles Elementary School (TESI)     | Weathering/Erosion    | Fort Myers, FL      | 2019        |
| Gulf Middle School (TESI)                 | Shark Adaptations     | Cape Coral, FL      | 2019        |
| Lincoln Middle School (TESI)              | Nature of Science     | Gainesville, FL     | 2019        |
| C.T. English Middle School Virtual Visit  | Nature of Science     | Los Gatos, CA       | 2019        |
| Gainesville High School                   | STEM Careers          | Gainesville, FL     | 2018        |
| Chiles Elementary (GeoGators)             | STEM Careers          | Gainesville, FL     | 2018        |
| West Palm Middle School Virtual Visit     | FL Paleontology       | West Palm Beach, FL | 2018        |
| Howard Bishop Middle School               | Geologic Time         | Gainesville, FL     | 2018        |
| Pacific Grove Middle School Virtual Visit | Nature of Science     | Pacific Grove, CA   | 2017        |

|                                      |                       |                  |      |
|--------------------------------------|-----------------------|------------------|------|
| P.K. Yonge Middle School             | Shark Adaptations     | Gainesville, FL  | 2017 |
| Littlewood Elementary (GeoGators)    | Geology               | Gainesville, FL  | 2017 |
| Talmadge Middle School Virtual Visit | STEM Careers          | Independence, OR | 2017 |
| Howard Bishop Middle School          | Geologic Time         | Gainesville, FL  | 2017 |
| Oak Hall Elementary School           | Paleontology          | Gainesville, FL  | 2015 |
| Academy of the Holy Names, Middle    | Titanoboa             | Tampa, FL        | 2015 |
| Delta Charter High School            | Paleontology          | Aptos, CA        | 2015 |
| Academy of the Holy Names, Middle    | Megalodon             | Tampa, FL        | 2015 |
| Springs Elementary (GeoGators)       | Fossil Identification | Gainesville, FL  | 2014 |
| Windy Hill Elementary                | STEM Careers          | Owings, MD       | 2014 |

### **Awards & Honors**

|                              |              |                              |            |
|------------------------------|--------------|------------------------------|------------|
| NSF ITEST Award              | 2022-Present | LUECI Travel Award           | 2018, 2019 |
| FLMNH Dickinson Fellow       | 2019-2020    | UF Geology Nichol's Award    | 2016       |
| NSF Graduate Research Fellow | 2016-2020    | SWFFS Mitchell Hope Award    | 2016       |
| McKnight Doctoral Fellow     | 2014-2020    | AES Scholar                  | 2016       |
| UF Geology Horn Award        | 2020         | AIPG National Scholar        | 2013       |
| FLMNH Austin Award           | 2020         | Honors Research Distinction  | 2013       |
| FLMNH Travel Grant           | 2019         | Shell Incentive Fund Scholar | 2010-2013  |
| JSG Travel Grant (SVP)       | 2019         | OSU Prominence Scholar       | 2009-2013  |
| FPS Morgan Award             | 2019         | Orton Hall Fund Award        | 2012       |
| Society for the Study of     | 2019         | Sigma Xi GIAR honorable      | 2012       |
| Evolution Grant              |              | mention                      |            |
| NAPC Travel Grant            | 2019         | OSU Lieberman Scholar        | 2009-2012  |

### **Professional Service**

| <b><u>Organization</u></b>                                       | <b><u>Role</u></b>    | <b><u>Year</u></b> |
|--|-----------------------|--------------------|
| SMCM Leadership and Governance Committee                         | Committee Member      | 2023–Present       |
| Chesapeake Heritage and Paleontology Foundation                  | Founding Board Member | 2023–Present       |
| Paleontological Society Outreach and Education                   | Committee Member      | 2018–Present       |
| myFOSSIL eMuseum   | Curator               | 2014–Present       |
| <i>Historical Biology</i>  | Reviewer              | 2023               |
| <i>Paleoichthys – Journal for Fossil Fishes</i>                  | Reviewer              | 2022               |
| <i>New Mexico Museum of Natural History and Science Bulletin</i> | Reviewer              | 2022               |
| <i>Neues Jahrbuch für Geologie und Paläontologie</i>             | Reviewer              | 2022               |
| Junior Science and Humanities Symposium                          | Reviewer              | 2022               |
| Paleontological Society Student Mentorship Program               | Mentor                | 2016–2021          |
| FOSSIL Project Newsletter  | Editor & Writer       | 2014–2019          |
| <i>PeerJ – Journal of Life and Environmental Sciences</i>        | Reviewer              | 2019               |
| NSF GRFP Panel   | Mentor Panelist       | 2018               |

### **Societies, Organizations, & Clubs**

|   |                                       |
|---|---------------------------------------|
| Paleontological Society                       | National Science Teachers Association |
| Geological Society of America                 | American Alliance of Museums          |
| Society of Vertebrate Paleontology            | Thompson Earth Systems Institute      |
| American Elasmobranch Society                 | Scientist in Every Florida School     |
| American Institute of Professional Geologists | Calvert Marine Museum Fossil Club     |

## **Certifications & Training**

|  |           |
|--|-----------|
| Online Course Design and Teaching                    | 2021      |
| CPR/AED Certification                                | 2021      |
| Institutional Review Board (IRB) Compliance Training | 2016–2020 |
| Hazardous Waste Management Training                  | 2014–2020 |
| Paleobiology Database Short Course (NAPC)            | 2019      |
| Graduate Teaching Assistant Pedagogy Certification   | 2014      |
| Ohio State University Geology Field Camp             | 2011      |
| Shell Leadership Conference                          | 2010      |
| Ohio State University Leadership Collaborative       | 2009      |
| Scouts of America – Eagle Scout rank                 | 2005–2009 |

## **Popular Media Coverage**

| <b>Media Organization</b> | <b>Program Title</b>  | <b>Airdate</b> |
|---------------------------|---|----------------|
| Windfall Films            | <i>Lost Beasts: Megalodon</i>   | Upcoming       |
| Voice of America          | <i>The Ecology of Megalodon</i>   | Upcoming       |
| LiveScience               | <i>World's shark tooth capitol teemed with even more extinct species than we knew</i> | 2022           |
| Chesapeake Bay Media      | <i>Megalodon Jaws Rebuilt at Marine Museum</i>  | 2022           |
| LiveScience               | <i>Truly remarkable fossils are rare evidence of ancient shark-on-shark attacks</i>   | 2022           |
| Outdoors Maryland         | <i>Ep. 3302: Exploring Maryland's Prehistoric Past</i>                                | 2021           |
| Curiosity Stream          | <i>Breakthrough: Decoding Megalodon</i>   | 2021           |
| TheScientist              | <i>Classroom science leads to revision of megalodon's size</i>                        | 2021           |
| Florida Museum            | <i>How megalodon's teeth evolved into the ultimate cutting tools</i>                  | 2019           |

## **Professional Social Media:**

<https://www.researchgate.net/profile/Victor-Perez-45>