

Tiara N. Moore

Marine Ecologist

She/her

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EDUCATION

Ph.D. (2019) Biology, University of California Los Angeles, CA, USA

M.S. (2013) Biology, Hampton University, VA, USA

B.S. (2011) Biology, Winthrop University, SC, USA

PROFESSIONAL EXPERIENCE

Founder (2025 -Present) BIMS Institute, Belize

- Supporting innovative research on nature-based solutions in coastal communities

Co-founder (2023-Present) OJAI, USA

- Building digital infrastructure to connect scientific data and advocacy tools with communities

Black In Marine Science Program Lead (2021-2023) The Nature Conservancy, Seattle, WA

- Celebrating Black marine scientists, spreading environmental awareness and inspiring the next generation of scientific thought leaders

Postdoctoral Fellow/Applied Scientist 1 (2020-2021) The Nature Conservancy, Seattle, WA

- Independent Research: Using environmental DNA (eDNA) to assess ecosystem biodiversity in the Olympic Peninsula

Chief Executive Officer (2020-Present) Black In Marine Science (BIMS), USA

- Leading a global network of 600 marine scientists across 35 countries to build innovation in marine science

Postdoctoral Fellow (2019-2020) University of Washington, Seattle, WA

- Independent Research: Using environmental DNA (eDNA) to assess ecosystem biodiversity in the Olympic Peninsula

Teaching Fellow (2018-2019) UCLA, Los Angeles, CA **

- Program for Excellence in Education & Research in the Sciences (PEERS, EEB97XA)

Teaching Fellow (2018) UCLA, Los Angeles, CA

- Lab instructor for genetics, evolution, and ecology (LS 7B), and marine botany (EEB 101)

Teaching Associate (2016-2017) UCLA, Los Angeles, CA

- Lab instructor for basic principles of evolution and ecology (LS 1), and marine science (EEB 109)

Graduate Research Assistant (2015-2019) UCLA, Los Angeles, CA

- Independent Research: Exploring eutrophication driven acidification in California estuaries and impacts to sediment biogeochemistry

Teaching Assistant (2013-2015) Old Dominion University, Norfolk, VA

- Lab instructor for basic principles of oceanography (OEAS 101)

Graduate Research Assistant (2012-2013) Hampton University, Hampton, VA

- Research: Sedimentary oxygen demand and orthophosphate release in the James River
- Research Assistant (2011-2012) Hampton University, Hampton VA
- Collected weekly water samples from Hampton Roads for nutrient analyses

PUBLICATIONS

Peer reviewed:

2024: **Moore T**, Adams, L & more. “The Black In Marine Science Blueprint.” *Integrative and Comparative Biology*, Volume 64, Issue 4, October 2024, Pages 1055–1063, <https://doi.org/10.1093/icb/icae153>

2024: Adams, L & Moore, T. “The Joy Factor: Redefining Leadership Excellence at Black In Marine Science.” *Integrative and Comparative Biology*, Volume 64, Issue 4, October 2024, Pages 1162–1170, <https://doi.org/10.1093/icb/icae148>

2021: **Moore T**, Gaynus C, Levin P & Meyer R. “The Intersection of Forensic Techniques with Ecological Issues.” In: Underkoffler S & Adams H. (eds) *Wildlife Biodiversity Conservation*.

2021: Lin M,, **Moore T**, & Meyer R. “Landscape Analyses Using eDNA Metabarcoding and Earth Observation Predict Community Biodiversity in California.” *Ecological Applications*, 31(6):e02379. [10.1002/eap.2379](https://doi.org/10.1002/eap.2379)

2021: Meyer R,, **Moore T**, & Wayne R. “The CALeDNA Program: Citizen Scientists and Researchers Inventory California’s Biodiversity.” *California Agriculture*.

2021: Fong C,, **Moore T** & Fong P. “Flip it and Reverse it: Reasonable Changes in Designated Controls Can Flip Synergisms to Antagonisms.” *Science of The Total Environment*.

2019: **Moore T**. “Nutrient Enrichment Promotes Eutrophication in the Form of Macroalgal Blooms Causing Cascading Effects in Two Anthropogenically Disturbed Coastal Ecosystems.” *ProQuest Dissertations and Theses*.

2018: **Moore T** & Cuker B. “Sedimentary Oxygen Demand (SOD) and Orthophosphate Release: Sustaining Eutrophication in a Tributary of the Chesapeake Bay.” *Journal of Water Resources and Ocean Science*.

2016: Leasi F, Gaynus C, Mahardini A, **Moore T**, Norenburg J & Barber P. “Spatial and Ecological Distribution of Neglected Microinvertebrate Communities Across Endangered Ecosystems: Meiofauna in Bali (Indonesia).” *Marine Ecology*.

Op-Eds:

2020: El-Sabaawi R, Kantar M, **Moore T**, Pantel J, Tseng M & Ware J. “The EEB POC Project.” *Limnology and Oceanography (L & O) Bulletin*. **

2018: **Moore T**. “The Only Black Person in the Room.” *L & O Bulletin*. **

2018: **Moore T** & Oguguah N. “Student Activities in Victoria, ASLO Summer meeting 2018.” *L & O Bulletin*.

- 2018: Elser J, **Moore T** & Oguguah N. “How to Become a Member of the ASLO BOARD in Three Easy Steps.” *L & O Bulletin*. **
- 2018: Schiebel H, Gleiber M, **Moore T** & Pagniello C. “2018 Ocean Sciences Meeting Student and Early Career Activities: Successes and Thoughts Moving Forward.” *L & O Bulletin*.
- 2017: **Moore T** & Wilkinson G. “Student Highlights from ASLO ASM 2017.” *L & O Bulletin*.
- 2017: Wilkinson G, Gaynus C, **Moore T**, Rosengard S, Schiebel H & Zwart J. “Innovations and Solutions for ASLO Student Travel Grants.” *L & O Bulletin*. **

CONFERENCE PRESENTATIONS

International Women In Conservation Summit

2024: “*Belizean Women Leaders in Marine Science*.”

Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic and Ocean Sciences Meetings

2020: “*eDNA and GeoChip: New Tools Linking Microbial Communities to Biogeochemical Functions in Eutrophic Estuarine Sediment*.”

2019: “*Anthropogenic Disturbances Enhance Nutrient-Driven Acidification in 2 California Estuaries*.”

2016: “*Sediment, Nutrients & Interspecific Competition Control Growth of 2 Common Species of Reef Macroalgae*.”

2015: “*Ocean Acidification effects on Carbonate Dissolution*.”

2014: “*Abundance and Diversity of Meiofauna in Bali, Indonesia*.”

2013: “*Sediment Oxygen Demand & Phosphate Release in the Hampton River Tributary of the Chesapeake Bay*.”

Western Society of Naturalists (WSN) Annual Meeting

2018: “*Anthropogenic Disturbances Enhance Nutrient-Driven Acidification*.”

University of California Genomics Consortium Workshop

2018: “*eDNA and Geochip: New tools to Analyze Human Dominated Estuaries*.”

Indonesia Biodiversity Summer Research Symposium **

2013: “*Abundance and Diversity of Meiofauna in Bali, Indonesia*.”

CIVIC ENGAGEMENT

2024: Sharks of the Dead Zone. **Shark Week Host**

2021: Lab Rascals Marine Biology Camp. **Guest Host and Speaker** **

2021: PADI International Women and Girls in STEM Day. **Panelist** **

2020: EarthEcho International STEMExplore. **Career Connection**: “*Environmental Forensics*.”

2020: Black In Marine Science Week. **Founder** **

2020: Young Women Empowered. **Panelist**: “*Black Voices for Climate Justice*.” **

2020: North Carolina A & T. **Guest Lecturer**: “*Environmental DNA & Biodiversity Assessments Help Fight Climate Change*.” **

2020: Black In Geoscience Week. **Organizer** **

2020: International Marine Conservation Congress. **Organizer:** *“Establishing a Space for Women of Color in Marine Science.”* **

2020: ASLO Multicultural Program (ASLOMP). **Mentor** **

2020: Audubon Center. **Guest Lecturer:** *“Science, Nature & A Biscuit: Environmental DNA.”*

2019: Rising Toward an Inclusive, Diverse, and Enriched Society (TIDES). **Mentor** **

2019: Skype-A-Scientist. **Volunteer Scientist** **

2019: Environmental Professionals of Color Summit. **Panelist:** *“Navigating Grad School.”* **

2019: Brentwood Science Magnet Career Day. **Volunteer**

2019: CalEPA Citizen Science Fair. **CALeDNA program representative**

2019: Transactions of the American Society of Agricultural and Biological Engineers. **Reviewer**

2019: ASLO Student Workshop. **Organizer:** *“I Need the Degree AND the Money.”*

2019: UCLA Marine Ecology. **Guest Lecturer:** *“Anthropogenic Stressors and Interspecific Interactions Alter Growth of 2 Common Calcifying Coral Reef Macroalgae.”*

2019: The University of Washington. **Guest Lecturer:** *“You Can Have a Dream, but You Need a Plan, Allies, and Grit.”*

2019: The Nature Conservancy. **Guest Speaker:** *“Conservation in the Anthropocene.”*

2019: UCLA EEB department. **Professional development coordinator**

2019: UCLA Grad Division Diversity Panel. **STEM representative** **

2017-2019: CALeDNA Citizen Science Program. **Volunteer Scientist**

2018-2019: UCLA EEB department. **Graduate Student Faculty Liaison**

2018: Succeeding in Science Panel. **Minority representative** **

2018: CSU & HBCU graduate student panel for incoming students. **STEM representative** **

2018: Wise Readers to Leaders. **Volunteer**

2018: UCLA Marine Botany. **Guest Lecturer:** *“Does Eutrophication-Driven Acidification Occur in Human Dominated Estuaries and is it Influenced by Sediment Biogeochemistry?”*

2018-2019: ASLO Aquatic Sciences Meeting Scientific Planning Committee. **Student member**

2018: ASLO Student Publishing Workshop. **Moderator:** *“Publish Me Please.”*

2018: ASLO Student Negotiations Workshop. **Moderator:** *“How to Ask, so You Shall Receive.”*

2017-2018 ASLO Summer Meeting Scientific Planning Committee. **Student member**

2017: UC Davis McNair Scholars graduate student panel. **Panelist** **

2017: ASLO Workshop. **Facilitator:** *“Embracing Diversity in our Scientific Community.”* **

2017: ASLO Student Workshop. **Facilitator:** *“PhD, Now What?”*

2016-2018: ASLO Student Activities Committee. **Chair** **

2016-2017 ASLO Aquatic Sciences Meeting Scientific Planning Committee. **Student member**

2016: Career Day at ICEF Innovation Charter School. **Guest Lecturer:** *“My Life Underwater.”*

2016: Marine Science Day at W. A. Perry Middle School. **Guest Lecturer:** *“Underwater.”*

2016-2018: UCLA California Teach S-STEM Scholars Program. **Mentor** **

2016: Uniting Graduate Students through Mentoring. **Cofounder** **

2015-2019: Fong Lab Undergraduate Researchers. **Mentor** **

2015-2018: ASLO Education Subcommittee. **Member**

2015-2016: Diversifying Mathematics and Physics. **Cofounder** **

2015-2017: Gang Reduction and Youth Development (GRYD) Foundation. **Mentor**

2013: Hampton Clean City Commission 35th Anniversary. **Keynote Speaker**: “Coral Reefs.”

INVITED SPEAKING ENGAGEMENTS

2025: Belize World Maritime Day. **Panelist**: “*Women At the Helm*” **

2021: California Academy of Sciences NightSchool. **Queering Science Guest Speaker**: “*Finding T.*” **

2021: Green Heritage Fund Suriname. **World Ocean Day Keynote Speaker**: “*One Ocean, Big Pollution and You.*” **

2021: University of California, Davis. **Bodega Marine Lab Seminar Speaker**: “*Environmental DNA & Biodiversity Assessments: Small Tools with Big Impacts.*”

2021: University of Washington. **Guest Lecturer**: “*Environmental DNA & Biodiversity Assessments: Small Tools with Big Impacts.*”

2021: Bowie State University. **Panelist**: “*Equity and Environment: Past and Future of the Bay Environmental Movement.*” **

2021: University of San Diego. **Department of Environmental and Ocean Sciences Seminar Speaker**: “*Environmental DNA & Biodiversity Assessments: Small Tools with Big Impacts.*”

2021: University of California, Berkeley. **Department of ESPM Seminar Speaker**: “*Dirt DNA & Biodiversity Assessments, Establishing Solutions for Restoration in the Anthropocene.*”

2021: University of Washington, Bothell. **School of STEM Seminar Speaker**: “*Environmental DNA & Biodiversity Assessments: Small Tools with Big Impacts.*”

2021: Restore America’s Estuaries. **Webinar Speaker**: “*Eutrophic Estuaries and Racist Systems: A Love Story.*” **

2021: Northeastern University. **Marine and Environmental Sciences Seminar Speaker**: “*Environmental DNA & Biodiversity Assessments: Small Tools with Big Impacts.*”

2021: University of Miami RSMAS. **Undergraduate Seminar Speaker**: “*Environmental DNA and Ecosystem Biodiversity Assessments.*”

2021: University of Washington Program on the Environment. **Seminar Speaker**: “*The Underground Social Media Road.*” **

2020: Black In Marine Science Week. **Panelist**: “*Diving While Black.*” **

2020: University of Miami RSMAS. **Graduate Seminar Speaker**: “*Environmental DNA Biodiversity Assessments Help Fight Climate Change.*”

2020: Stanford Woods Institute for the Environment. **Panelist**: “*Making Graduate Science More Inclusive.*” **

2020: University of British Columbia. **Guest Lecturer**: “*Environmental DNA & Biodiversity Assessments.*”

2020: Boston University Biogeosciences Series. **Seminar Speaker**: “*Eutrophic Estuaries and Racist Systems, a Love Story.*” **

2020: University of Texas at Austin. **Colloquium Speaker:** “*Dirt DNA Biodiversity Assessments Help Fight Climate Change.*”

2020: North American Congress for Conservation Biology Conference. **Panelist:** “*Inclusion in Conservation.*” **

2020: University of Louisiana at Lafayette Graduate Symposium. **Keynote Speaker:** “*Dirt DNA Biodiversity Assessments Help Fight Climate Change.*”

2020: TNC Juneteenth Celebration. **Keynote Speaker:** “*Intersectionality and Conservation.*” **

2020: Bellevue College. **Earth Day Speaker:** “*Dirt DNA: Establishing A Thermometer for Fighting Climate Change.*”

2020: ASLOMP opening session. **Keynote Speaker:** “*You Can Have a Dream, but You Need a Plan, Allies, and Passion too.*” **

HONORS, GRANTS, AND AWARDS

2025: American Geographical Society Honorary Fellow

2024: Ebony Power 100 STEM Trailblazer

2023: Coastal Estuarine Research Federation DEI Award

2021: California Academy of Sciences “New Science” Exhibit Feature **

2021: Black Voices for Black Justice Fund Recipient (\$50,000) **

2020: ASLO Bulletin Most Downloaded Paper of 2018-2019

2020: ASLO Multicultural Program Grant Recipient (conference travel expenses) **

2019: CERF’s Rising TIDES Program Mentor (\$500) **

2019: ASLO Multicultural Program Grant Recipient (conference travel expenses) **

2019: EEB Department Graduate Spring Research Grant Recipient, UCLA (\$2,000)

2018: ASLO Fellow

2018: ASLO Multicultural Program Grant Recipient (conference travel expenses) **

2018: EEB Department Graduate Summer Research Grant Recipient, UCLA (\$3,000)

2018: EEB Department Graduate Winter Research Grant Recipient, UCLA (\$1,800)

2017: EEB Department Graduate Fall Research Grant Recipient, UCLA (\$1,500)

2016: ASLO Multicultural Program Grant Recipient (conference travel expenses) **

2015: La Kretz Graduate Research Grant Recipient, UCLA (\$1,200)

2015: UC-HBCU Initiative Fellowship Recipient, UCLA (full tuition and stipend) **

2015: ASLO Multicultural Program Grant Recipient (conference travel expenses) **

2015: Competitive Edge Doctoral Summer Bridge Program Fellowship, UCLA (\$6,000) **

2015: Student Member, ASLO Board of Directors (Term: 2015-2018)

2015: Peer Mentor, UC-HBCU Initiative Summer Program (\$3,000) **

2014: ASLO Multicultural Program Grant Recipient (conference travel expenses) **

2014: CHBGS/ProQuest Distinguished Master’s Thesis Award (\$500)

2013: UC-HBCU Initiative Summer Fellowship Recipient (\$5,000) **

2013: ASLO Multicultural Program Grant Recipient (conference travel expenses) **

2012: Living Marine Resources Cooperative Science Fellowship Recipient (\$10,000) **

2010: Woman of Achievement Award, Winthrop University

2009: Excellence in Leadership Award, Winthrop University