

## Michelle R. Phillips, Ph.D.

### EDUCATION:

- 2019 **Graduate Certificate in Ethnomathematics – University of Hawai‘i at Mānoa**, Honolulu, HI. *Action research: Using culturally-sustaining, thematic teaching to increase engagement and student success.*
- 2007 **Ph.D. in Biology – University of Oregon**, Eugene, OR. *Dissertation: Functional genetic analysis of two marine invertebrates: Environmentally and physiologically induced changes in gene expression.*
- 2000 **B.S. in Biological Sciences – Colorado State University**, Fort Collins, CO.

### POSITIONS HELD:

- 2014-Present **Assistant Professor (Biological Sciences), Hawai‘i Community College**, Hilo, HI.
- 2019-Present **Lecturer, Ethnomathematics Graduate Certificate Program**, Honolulu, HI.
- 2008-2014 **Adjunct Professor (Biology) – Hawai‘i Pacific University**, Kāne‘ohe, HI.
- 2012 **Research Coordinator – Papahānaumokuākea Marine National Monument, Dept. of Land and Natural Resources, Division of Aquatic Sciences**, Honolulu, HI.
- 2008-2012 **Post-doctoral Researcher – Hawai‘i Institute of Marine Biology, University of Hawai‘i**, Kāne‘ohe, HI.
- 2007-2008 **Research Associate – University of Oregon**, Eugene OR.
- 2005 **Instructor (Biology) – Lane Community College**, Eugene, OR.

### TEACHING AWARDS/HONORS/GRANTS (select):

- 2021-Present **NSF RCN-UBE: OCELOTS: A Platform for Facilitating Online Content for Experiential Learning of Tropical Systems**
- 2021-Present **NSF AISL Grant, ‘ĀINA IS: Advancing Informal Native ‘Āina-based Inspirations in STEM.**
- 2017-2020 **NSF ITEST Grant, Project STEMulate.**
- 2018 **University of Hawai‘i Board of Regents Excellence in Teaching Award**
- 2017 **SENCER Water Fellow, SENCER Hawai‘i Summer Institute on Water**
- 2017 **President’s Green Initiative Awards – Faculty and Staff Leadership in Sustainability Award for “Exploring ancestral knowledge and modern sciences”**
- 2015-2017 **University of Hawai‘i Community Colleges WO Learning Champion**
- 2015-2016 **Ethnomathematics and STEM Institute Program Scholar**

### RELATED PUBLICATIONS:

- Phillips, MR.** Understanding Global Climate Change: Present, Past, and Future. 2020 September. <https://qubeshub.org/publications/1947/1> DOI: [10.25334/N2KW-4A47](https://doi.org/10.25334/N2KW-4A47)
- Phillips, MR.** Investigating Human Impacts on Hawaiian Fishpond Ecology. 2019 May. <https://qubeshub.org/publications/1226/1> DOI: [10.25334/Q4TQ82](https://doi.org/10.25334/Q4TQ82)
- Phillips MR.** Investigating the Ecology of Mosquitoes and Birds in Hawaii. 2019 May. <https://qubeshub.org/publications/1225/1> DOI: [10.25334/Q4ZF28](https://doi.org/10.25334/Q4ZF28)
- Stillman JH, Colbourne JK, Lee CE, Patel NH, **Phillips MR**, Towle DW, Eads BD, Gelembuik GW, Henry RP, Johnson EA, Pfrender ME and Terwilliger NB. (2008). Recent Advances in Crustacean Genomics. *Int. Comp. Biol.* 48: 852-868
- Terwilliger NB, Ryan M and **Phillips MR**. (2006). Crustacean Hemocyanin Gene Family and Microarray Studies of Expression Change During Eco-Physiological Stress. *Int. Comp. Biol.* 46: 991-999