



Shane Campbell-Staton

To help us prepare for what we are about to study in our class, we are going to explore the work of Shane Campbell-Staton. Dr. Campbell-Staton completed his MSc degree at the University of Rochester and his doctoral work at Harvard University. He also accomplished two postdoctoral fellowships, the University of Illinois STEM Postdoctoral Fellowship and the National Science Foundation Postdoctoral Fellowship. Currently he is an Assistant Professor at the University of California at Los Angeles. Dr. Campbell-Staton is an evolutionary biologist, interested in understanding how changing climates shape evolutionary history and adaptation by combining environmental niche modeling, field biology, experimental physiology, and genomic techniques. In particular, he is interested in exploring how complex phenotypes respond to anthropogenic climate change.

Related Content Areas:

- Climate Change
- Ecology
- Evolution
- Genetics

Vision and Change Tags:

- V&C: Energy and Matter
- V&C: Evolution

- V&C: Systems

NGSS Tags:

- LS2.A:
Interdependent Relationships in Ecosystems
- LS2.B: Cycles of Matter and Energy Transfer in Ecosystems
- LS2.C: Ecosystem Dynamics, Functioning, and Resilience
- LS3.A: Inheritance of Traits
- LS3.B: Variation of Traits
- LS4.B: Natural Selection
- LS4.C: Adaptation
- LS4.D: Biodiversity and Humans

Grade Span:

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About the Author



My name is Ana Maria Ospina Larrea. I am a research assistant at Purdue University and I am interested in exploring how acoustic signal production and perception are af-

ected by novel disturbances associated with urbanization. I found research from Dr. Campbell-Staton's very interesting, since he combines several perspectives and techniques to address the evolutionary mechanisms driving adaptation to novel environments and also in a conservation context. Further, he is one of the leaders of an initiative for producing podcasts where the biology of superheroes is discussed, which I think is an interesting strategy to do outreach.

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