



# Alexander B. Chase

MICROBIAL ECOLOGY • NATURAL PRODUCTS



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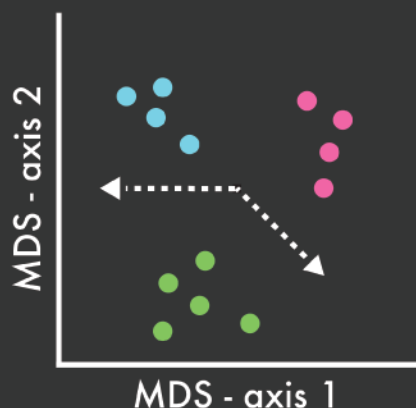
## RESEARCH INTERESTS

Microbial biogeographical patterns and the role microbes play in regulating and/or promoting ecosystem processes

Evolutionary processes that influence microbial population dynamics using (meta)genomics

Establishing links between fine-scale genetic diversity and functional traits

Ecological roles of bacterial specialized metabolites and the evolutionary processes contributing to their distribution



## PROFESSIONAL APPOINTMENTS

- 2022 - Assistant Professor  
Roy M. Huffington Department of Earth Sciences  
Southern Methodist University (SMU)
- 2019 - 2022 Postdoctoral Research Fellow  
Center for Marine Biotechnology and Biomedicine  
Scripps Institution of Oceanography
- 2018 Research Affiliate  
Earth and Environmental Sciences  
Lawrence Berkeley National Laboratory
- 2014 - 2018 Graduate Student Researcher  
Ecology and Evolutionary Biology  
University of California, Irvine
- 2012 - 2013 Research Associate III  
Ecology and Evolutionary Biology  
University of California, Los Angeles
- 2009 - 2010 Research Assistant  
National Center for Research on Evaluation,  
Standards, and Student Testing (CRESST)  
University of California, Los Angeles

## EDUCATION

- 2014 - 2018 Doctor of Philosophy (Ph.D.) - Biological Sciences  
University of California, Irvine  
"Ecological and evolutionary processes contributing to the formation of bacterial populations"  
Advisor: Dr. Jennifer Martiny
- 2014 - 2017 Master of Science - Ecology and Evolutionary Biology  
University of California, Irvine  
Advisor: Dr. Jennifer Martiny
- 2008 - 2012 Bachelor of Science - Biological Sciences  
University of California, Los Angeles

