

# Margaret A. Vogel, Ph.D.

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## CAREER

- 2020-current **Postdoctoral Researcher.** Division of Microbial Ecology (DoME), Centre for Microbiology and Environmental Systems Science, University of Vienna  
PI: Dr. Jillian M. Petersen
- 2017-2020 **Instructor.** Saturday-at-the-Sea, Office of STEM Teaching Activities, Florida State University
- 2015-2020 **Teaching Assistant/Graduate Research Assistant.** Department of Biological Science, Florida State University
- 2014-2015 **Environmental Specialist II.** Watershed Assessment Section, Division of Environmental Assessment and Restoration, Florida Department of Environmental Protection
- 2013-2014 **Laboratory Assistant.** Harbor Branch Oceanographic Institute  
PI: Dr. Brian E. Lapointe
- 2011-2012 **Undergraduate Research Technician.** School of the Earth, Ocean, and Environment, University of South Carolina  
PI: Dr. Blaine Griffen
- 2010 **Biomonitoring Intern.** Research and Development, Novus International

## EDUCATION

- Ph.D., Biological Science, Florida State University (2020)  
Dissertation: Determinants of Microbial Community Composition and Diversity in the Phyllosphere of the Seagrass *Thalassia testudinum*  
PI: Dr. Thomas E. Miller and Dr. Olivia U. Mason
- B.S., Marine Science with emphasis in Biological Oceanography, University of South Carolina (2013, *magna cum laude* GPA 3.92)

## RESEARCH GRANTS, AWARDS AND FELLOWSHIPS

- 2018-2019 McConnell Fellow, Smithsonian Museum of Natural History, Smithsonian Marine Station
- 2017, 2019 Robert K. Godfrey Endowment for Botany Award, Department of Biological Science, Florida State University
- 2018 Dissertation Research Grant, Florida State University Graduate School
- 2016, 2017 Mote Summer Research Assistantship, William R. and Lenore Eminent Scholar in Biology Endowment, Florida State University
- 2016-2017 Florida State University Coastal and Marine Laboratory Graduate Student Award
- 2016 Florida Sea Grant Scholar
- 2016 PADI Foundation Grant
- 2016 Lerner Gray Grants for Marine Research, American Museum of Natural History
- 2009-2013 Cooper's Scholar, University of South Carolina
- 2012 Magellan Scholar for Undergraduate Research, University of South Carolina

## PUBLICATIONS

- Zauner, S., **Vogel, M.**, Polzin, J., Yuen, B., Mussmann, M., El-Hacen, E.M., Petersen, J.M., Microbial communities in developmental stages of lucinid bivalves. *In review at ISME Communications*.
- Vogel, M.A.**, Mason, O.U., Miller, T.E., 2021. Environmental stressors alter the composition of seagrass phyllosphere microbial communities. *Climate Change Ecology* 2, 100042.
- Vogel, M.A.**, Mason, O.U., Miller, T.E., 2021. Composition of seagrass phyllosphere microbial communities suggests rapid environmental regulation of community structure. *FEMS Microbiology Ecology* 97(3): fiab013.
- Herren, L.W., Brewton, R.A., Wilking, L.E., Tarnowski, M.E., **Vogel, M.A.**, Lapointe, B.E., 2021. Septic systems drive nutrient enrichment of groundwaters and eutrophication in the urbanized Indian River Lagoon, Florida. *Marine Pollution Bulletin* 172:112928.
- Vogel, M.A.**, Mason, O.U., Miller, T.E., 2020. Host and environmental determinants of microbial community structure in the marine phyllosphere. *PLOS ONE* 15(7): e0235441.
- Griffen, B.D., **Vogel, M.**, Goulding, L., Hartman, R., 2015. Energetic effects of diet choice by invasive Asian shore crabs: implications for persistence when prey are scarce. *Marine Ecology Progress Series* 522: 181-192.
- Lapointe, B.E., Herren, L.W., Debortoli, D., **Vogel, M.A.**, 2015. Evidence of sewage driven eutrophication and harmful algal blooms in Florida's Indian River Lagoon. *Harmful Algae* 43: 82-102.
- Riley, M.E., **Vogel, M.**, Griffen, B.D., 2014. Fitness-associated consequences of an omnivorous diet for the mangrove tree crab *Aratus pisonii*. *Aquatic Biology* 20: 35-43.

## SELECT PRESENTATIONS

- 2021           Phyllosphere Fortnight 2021, PhylloFives  
*Oral Presentation*  
World Microbe Forum  
*Oral Presentation*
- 2020           Ecology and Evolution Colloquium, Florida State University  
*Invited Speaker*
- 2019           Fellows Society Research Luncheon, Florida State University  
*Invited Speaker*
- 2018           International Symposium on Microbial Ecology by the International Society for Microbial Ecology (ISME-17)  
*Poster Presentation*  
The 103<sup>rd</sup> Annual Meeting of the Ecological Society of America  
*Oral Presentation*  
Graduate Student Symposium, Florida State University Coastal and Marine Laboratory  
*Oral Presentation*
- 2017           Florida Sea Grant Coastal Science Symposium  
*Invited Poster Presentation*  
The 102<sup>nd</sup> Annual Meeting of the Ecological Society of America  
*Oral Presentation*
- 2016           Florida State University Coastal and Marine Laboratory Annual Board Meeting  
*Invited Speaker*

2014 Indian River Lagoon Symposium, Harbor Branch Oceanographic Institute  
*Oral Presentation*

#### **UNDERGRADUATE AND GRADUATE TEACHING**

2022 **Amplicon Sequence Analysis Workshop**, UE Practical Course in Molecular Microbiology, Microbial Ecology, and Immunobiology, University of Vienna.

2019 **PCB 3043L: General Ecology Laboratory Course**, Department of Biological Science, Florida State University, *Guest Instructor*

2017, 2018 **BSC 3312: Marine Biology**, Department of Biological Science, Florida State University, *Guest Lecturer*

2016, 2018, 2020 **BSC 2010: Biology I Laboratory Course**, Department of Biological Science, Florida State University

2015, 2016, 2017, 2018, 2019 **PCB 3043: General Ecology**, Department of Biological Science, Florida State University

#### **OUTREACH AND SCIENCE COMMUNICATION**

2021 Skype with a Scientist

2019 Panelist, EERDGO Outreach Panel for Undergraduates, Florida State University

2019 Presenter, Open House, Florida State University Coastal and Marine Laboratory

2018 Volunteer Instructor, Week of Coding, Thomasville Road School of Arts and Science

2016, 2017, 2018 Science Fair Judge, Raa Middle School

2017, 2018 Presenter, Tallahassee Science Festival

2017 Guest Instructor, Camp Challenger for Girls, Challenger Learning Center, Tallahassee, Florida

2017 Presenter, Science Festival, Conley Elementary School

2017 Presenter, Science Night, Thomasville Road Baptist Church Academy of the Arts

2017 Guest Instructor, Swift Creek Middle School