

## Dr. Stephanie Rosales

University of Miami Cooperative Institute for Marine and Atmospheric Studies  
NOAA Atlantic Oceanographic and Meteorological Laboratory  
Stephanie.Rosales@noaa.gov

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### EDUCATION

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Oregon State University, Corvallis, OR <b>Ph.D. in Microbiology</b> Dissertation: The use of omics for disease evaluation in the brains of marine mammals. Honors: National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP)	2012 - 2016
Florida International University, Miami, FL <b>B.S. in Marine biology</b> Honors: <i>Summa Cum Laude</i>	2008 - 2010
Miami-Dade College, Miami FL <b>A.A. Biology</b> Honors: <i>Phi Theta Kappa</i> honor society	2004 - 2007

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### RESEARCH EXPERIENCE

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University of Miami and NOAA, Miami, FL <b>Assistant scientist</b>	2021- Present
University of Miami and NOAA, Miami, FL <b>Senior research associate II</b>	2017- 2021
Oregon State University, Corvallis, OR <b>Research associate</b>	2017 - 2017
Oregon State University, Corvallis, OR <b>Graduate student/NSF GRFP Fellow</b>	2012 - 2016
Smithsonian National Zoo <b>Research intern</b>	2015 - 2015
Oregon State University, Corvallis, OR <b>Research assistant/lab manager</b>	2011 - 2011
Florida International University, Miami, FL <b>Laboratory technician</b>	2010 - 2011

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## RESEARCH GRANTS

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<b>PI:</b> Does antibiotics therapy influence the gastrointestinal microbial health of hospitalized sea turtles? (PI: Max Polyak and Charlie Manire; Morris Animal Foundation; \$16,500)	2021
<b>PI:</b> Identification of SCTL D pathogen through flow cytometry & high throughput sequencing. (CoPI: Nikki Traylor Knowles; CRCP; \$90,000)	2021
<b>CoPI:</b> Leveraging Stony Coral Tissue Loss transmission experiments to understand the interactions between the host-transcriptome and its microbial community. (PI: Nikki Traylor-Knowles; Florida Department of Environmental Protection; \$107,747)	2020
<b>CoPI:</b> The role of algal symbionts ( <i>genus Breviolum</i> ) in the susceptibility of corals to Stony Coral Tissue Loss Disease in South Florida. (PI: Andrew Baker; CoPIs: Nikki Traylor-Knowles, and Javier Del Campo; Florida Department of Environmental Protection; \$84,304)	2019
<b>PI:</b> Bioinformatics for Microbiome Projects. (NOAA OAR Omics; \$83,563)	2019
<b>PI:</b> The persistence of disease resistant coral bacteria and coral genes and improving prediction of coral disease progression. (Co-PI: Lew Grammer; NOAA OAR Omics; \$109,820)	2018
<b>PI:</b> Characterizing disease resistance to improve restoration and out planting success. (NOAA CRCP; \$98K)	2018
<b>Student:</b> Neurotropic Viral Infection Leads to Cetacean Stranding's Along the Oregon Coast. (Oregon Sea Grant; \$10,000)	2013

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## SELECTED AWARDS

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CIMAS Special Appreciation Award (\$500)	2020
NOAA Employees and Team Members of the Month Spotlight	2020
American Society for microbiology (ASM) travel award (\$1000)	2018
Tarter award (\$7,500)	2016
Sheila Van Zandt Student Research Experience Scholarship (\$1,800)	2016
Oregon State University Graduate student travel award (\$500)	2016
Margaret and Charles Black Graduate Scholarship (\$1,500)	2015
NSF Graduate Research Internship Program (GRIP) (\$5,000)	2015
International Society for Environmental Microbiology (ISME) travel award (\$500)	2014
American Society for microbiology (ASM) travel award (\$500)	2013
OSU Diversity Advancement Pipeline Fellowship (\$21,000)	2012
FIU Academic Achievement Award (no monetary value)	2010

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## SELECTED OUTREACH

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Applied Community Ecology- Scientific board member	Present
Skype a scientist	Present
Contributor to AOML's Spanish website	Present
RSMAS Diversity in Science panel for careers in NOAA	2021
Judge at South Florida Regional Science and Engineering Fair	2020,2021

Speaker for a Girls in Microbiology workshop	2019
Corals and their bacteria – talk for grade school students	2019
Organized a public screening of “Saving Atlantis” with O’cinema	2018
Assembled and led panel discussion after “Saving Atlantis” screening	2018
NOAA open house	2018
Speaker and workshop development for Code Art	2018
Science blog post in Spanish and English( <a href="http://goo.gl/YfwR8o">goo.gl/YfwR8o</a> )	2017
Guest speaker for education on viruses and art for grade schools	2016
Presenter and teacher for workshops for a microbiome art show	2016
One-day bioinformatics workshop in Nepal	2016
Teacher – Winter wonderings	2016
Teacher assistant for Introduction to Lego Robotics (Level 1)	2015
Speaking partner to help community members with English	2015
Primate caretaker	2009