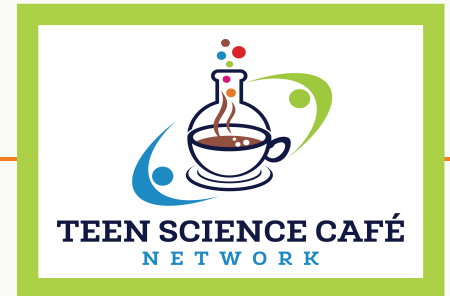




# VTeen 4-H Science Pathways Café

Saturday, December 9, 2023, 5 – 7 p.m.

University of Vermont, Davis Center  
Mansfield Dining Room, Burlington, VT



## Exploring the Ocean With Our Ears

This café takes you for a dive into the sea to explore all the different ways marine animals use sound to communicate, find food, and navigate. In the 1950's, the famous underwater filmmaker Jacques Cousteau described the ocean as a “silent world” — but the ocean is anything but silent! In the sea, sound travels fast allowing marine animals to communicate even if they can't see each other.

Novel remote acoustic technology allows scientists to explore the diversity of life in the ocean and to study how individuals and populations interact with the environment by using our ears. You will learn about who makes sounds and how we can turn sound into useful information for ecological and conservation studies. Some of the sounds you will explore are being used to restore coral reefs and others gave us clues about the impact of underwater noise on marine animal health during the COVID-19 lockdowns.

### About the Speaker

Laura May-Collado is an assistant professor of biology at the University of Vermont and a research associate at the Smithsonian Tropical Research Institute. In her ONDAS (“waves”) lab, students use acoustic remote underwater technology to assess the health of marine communities and to study the communication of marine mammals. Her work has been featured in NPR Science Friday®, BBC Earth, *Scientific American* and *Newsweek*.

### What is a Teen Science Café

The cafés are a free, fun way for teens to explore science, engineering and technology with local scientists, engineers and technology experts. Teens participate in informal discussions and hands-on activities to learn about different topics. And there is always free food! Planned and run by teens for teens.

Register at: <https://go.uvm.edu/cafe>

Please register for this cafe by December 6 so that we have time to email you the required paperwork to attend.

### Open to all youth in grades 7–12, FREE pizza and drinks!

To request language interpretation/translation assistance and/or a disability-related accommodation to participate in this program, please call or email Lauren Traister at 802-656-7565 or [lauren.traister@uvm.edu](mailto:lauren.traister@uvm.edu) by Friday, November 17, 2023, so we may assist you.

For more information about UVM Extension 4-H and youth programs, visit  
[www.uvm.edu/extension/youth](http://www.uvm.edu/extension/youth)