



INTRODUCTION TO TARDIGRADE STUDY AND IDENTIFICATION



2022 EAGLE HILL
NATURAL HISTORY
SCIENCE SEMINARS
ON THE COAST OF
EASTERN MAINE

Instructor: Dr. William Miller & Dr. Emma Perry

When: June 12 - June 18, 2022

This seminar is designed to help naturalists of all skill levels learn about tardigrades. Tardigrades are all around us in Maine. You will learn how to sample for tardigrades from substrates around us and how to identify them. We will show you how to sample moss, lichen, leaf litter, and the other habitats around the station. We will then discuss the different ways to find and extract the tardigrades from each of these samples. In the lab we will observe the tardigrades with microscopes and make temporary and permanent mounts of them. We will discuss the features of tardigrades that are taxonomically important and together we will identify the tardigrades around the field station. Once we have covered the basic skills you will have time to learn more about the tardigrades that you are most interested in.



GENERAL INFO

CALENDAR

APPLY



about the instructor

Dr. William Miller brings more than 50 years of experience in finding and identifying tardigrades. He has had several NSF grants and published more than 100 papers on water bears. Based at Baker University in Kansas, Randy has described 20 species new to science, most with students as collaborators. Dr Miller has collected from Greenland to the Antarctic and from Australia to Europe.

Dr. Emma Perry (emma.perry@maine.edu) currently manages the Electron Microscope Laboratory at the University of Maine, after a twenty year career as a Professor of Marine Biology. She studied the marine and limno-terrestrial tardigrades of Maine with her students for several years. Working together they have described several new species and is working to document the tardigrades of Maine.