

HANDS-ON, MINDS-ON INSTRUCTIONAL PRACTICES

Name of Submitter: Kimberly Monahan

Submitter Email: monahan@ncssm.edu

Big Lessons from a Little Worm: How to Use C. elegans in the Lab

The model organism C. elegans is a powerful study system and has been used in many research labs. In this session, we will cover the basics of how to maintain C. elegans in your lab and workspace, how to use online C. elegans resources/databases and how to incorporate C. elegans into your lab program at different levels. Topics of labs will range from basic genetic crosses to studying neurodegenerative diseases. We will use time in the session to brainstorm ideas so each participant leaves with a new idea for a new lab to incorporate into their course.

Presentation Target:

High School

Presenter(s):

1. Kim Monahan, Instructor of Biology, North Carolina School of Science and Math