

STEM Webinar Sessions

July Sessions

July 22, 2020

2020
BOBCAT SUMMER STEM
ACADEMY
VIRTUAL EDITION

Our Changing Oceans



About the session

As extreme disturbances increase in both frequency and intensity, species' capacity to respond will increasingly depend on their existing genetic variation. We provide an introduction to aspects of physical and biological oceanography that may explain one of the largest marine mass mortality events on record.



Dr. Michael Dawson

Professor Dawson's lab focuses on discovering the origins, understanding the maintenance, and averting the loss of marine biodiversity, from molecular to ecosystem levels. His specific interests include (1) how molecular variation explains and causes differences between individuals, populations, species, and higher taxa, and (2) how the environment shapes and is shaped by genetic, organismal, population, and community variation

Dr. Lauren Schiebelhut

Lauren is interested in clarifying the evolutionary consequences of disturbance to better understand how we can maintain stability and vitality of marine populations in a changing climate. She uses ecological surveys and genomic techniques to study how genetic diversity is shaped and reshaped through time, across space, and with environmental perturbation. Lauren earned her Ph.D. from the University of California, Merced and is currently working as a project scientist at UC Merced

This is a pre-recorded presentation that will be coordinated by

Dr. Chelsea Arnold, CalTeach Program Director



Who is the webinar session open to

Middle School, 9th-12th (High School), Teacher, Community members, Undergrads

When is the session:

- Wed, July 22nd- 10:30am to 12pm

How can you register?

Zoom Registration Link Below:

<https://ucmerced.zoom.us/meeting/register/tj0kf-Gorj0sEtQSNjztHoSshOOioq13YCC1>