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Department of Marine Sciences
Presents a Seminar by

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Eta, Elsa and excessive effluent: effects on—and effects of—the extensive *Karenia brevis* event of 2020-2021 in the eastern Gulf of Mexico

Blooms of the harmful dinoflagellate *Karenia brevis* occur almost every year on the West Florida Shelf, eastern Gulf of Mexico. In some years the blooms are small in area and short-lived. In other years, such as 2020-2021, the blooms cover a wide geographic area and are sustained for longer than a year. In this talk, the conditions that help to explain the difference between year-to-year conditions and the specific conditions leading to this most recent bloom are described. Photosynthetic parameters of *K. brevis* are compared in relation to different competing algae at different phases of the bloom. Finally, the approaches being taken to model *K. brevis*, including its ability to graze picocyanobacteria, in the context of a coupled-biogeochemical model are described.

Host: Sandy Shumway

Time & Date: 11:00 am, Friday, October 29, 2021

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