

DISTINGUISHED SCHOLAR SEMINAR

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2018 Water Institute Faculty Fellow

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**“Anticipating the future of coastal biogeochemical processes:
Insights from a climate change gradient on Florida’s east coast”**

The effects of global climate change are being realized locally on Florida’s coastlines through dramatic changes in coastal wetland vegetation. The invasion of mangroves into salt marshes, while visually stunning, brings many unknowns such as how this change in vegetation may alter ecosystem form and function, as well as, ecosystem services. This mangrove ecotone provides a unique opportunity to investigate the role of climate change on coastal wetland ecological processes, and has been the site of several research efforts to determine how a shift in foundational species may affect biogeochemical processes that govern carbon and nutrient cycling. This seminar will present results of studies focused on blue carbon biogeochemistry along the mangrove ecotone and the role of episodic hurricanes on estuarine biogeochemical processes within the context of forecasting the effects of climate change on coastal wetlands.

Thursday, May 2, 2019

2:30 – 3:30 PM, Reitz Union, Room 2330

For additional details, contact Lisette Staal at the UF Water Institute (lstaal@ufl.edu)