

eBulletin

A monthly update for the community

HARBOR BRANCH

FLORIDA ATLANTIC UNIVERSITY

Upcoming Events

Wed Nov 2 and 30 Ocean Science Lecture Series - SPECIAL EVENT

FAU Harbor Branch scientists present on research funded by proceeds from Harbor Branch's Specialty License Plate Program. Johnson Education Center Auditorium, 7pm. Free admission.

Wed Dec 7 Ocean Science Lecture Series

Indigenous Knowledge and Modern Science - Should We Connect? Can We Connect? presented by Jon Waterhouse, Oregon Health and Science University. Johnson Education Center Auditorium, 7pm. Free admission.

GRAND REOPENING

The Ocean Discovery Visitor's Center will reopen to the public on **December 6, 2016**. The facility will be closed through December 5, 2016 for renovations.

Mission: Ocean Discovery public outreach programming, including Immersion

October, 2016

License Plate Research to be Featured During Two-Part Lecture Series Event



Some of the research projects that are funded through proceeds from Harbor Branch's specialty license plate program, granted through the Harbor Branch Oceanographic Institute Foundation, will be featured in November during a special two-part Ocean Science Lecture Series event.

Eight researchers will present their projects in 15 minute mini-sessions on November 2 and 30 at 7 p.m. in the Johnson Education Center Auditorium. Admission is free.

November 2

Anni Vuorenkoski Dagleish, Ph.D.

Imaging Clouds in the Water Column - Preliminary Results from Controlled Environment

Bing Ouyang, Ph.D.

Cost-effective and Non-intrusive Larval Fish Growth Monitoring

Susan Laramore, Ph.D.

Reproductive Patterns of Cultured and Wild Sunray Venus Clams in Florida West Coast Waters

November 30

Laurent Chérubin, Ph.D.

Ventilation Rates of the Indian River Lagoon through its Inlets

Brian Lapointe, Ph.D.

Ecology and Biochemistry of Harmful Algal Blooms

Amy Wright, Ph.D.

Analysis of Sediments in the IRL for Herbicides

Elizabeth Titcomb

Photo-identification - Dolphin Census and Spatiotemporal Trends

Joshua Voss, Ph.D.

Project CLOUD

Ajemian and Schaefer Assess Abundance of Sharks and Rays in the IRL

Tours, Lectures, the Marine Science Fridays will resume in January. [Click here](#) for more info.

If you enjoy our programs at FAU Harbor Branch, [please consider making a donation.](#)

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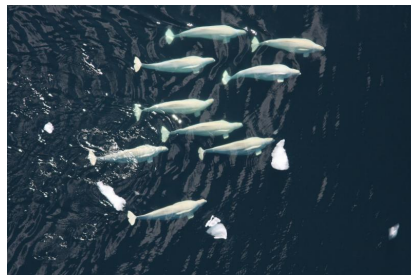
The Indian River Lagoon (IRL), an estuary of national significance and one of the most biodiverse in North America, is home to a myriad of species - including everything from phytoplankton to dolphins and seagrasses to sharks. FAU Harbor Branch scientists Dr. Matt Ajemian and Adam Schaefer, MPH, along with their collaborators, recently captured, sampled, and tagged nearly 100 sharks and rays in the IRL, including two endangered smalltooth sawfish and several spotted eagle rays, a protected species. The achievement comes as part of a new study aimed at finding out more about the sharks and rays that inhabit the IRL, in an effort to better understand how anthropogenic factors like algal blooms and rain events affect these predators.

The research is being made possible through proceeds from sales of the "Save Our Seas" specialty license plate, granted through the Harbor Branch Oceanographic Institute Foundation and awarded to Ajemian, principal investigator, and Schaefer, co-principal investigator. They are collaborating with Kim Bassos-Hull of MOTE Marine Laboratory on spotted eagle ray sampling, and the project will provide a multitude of other opportunities for scientific collaboration on both local and regional scales.

[Click here](#) to read more.

FAU Harbor Branch Researchers Publish Work

Several FAU Harbor Branch researchers were authors on works that were published recently:



beluga whales through the winter.

FAU Harbor Branch Research Professor and Population Biology and Behavioral Ecology's Greg O'Corry-Crowe co-authored a paper that was recently published in the Journal Marine Mammal Science regarding research that used satellite-linked telemetry to track

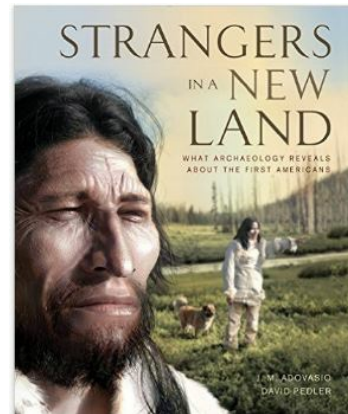
FAU Harbor Branch veterinarian, Dr. Annie Page-Karjian, is co-author on a paper that was recently published in the journal *Marine Biology* regarding leatherback sea turtle health.



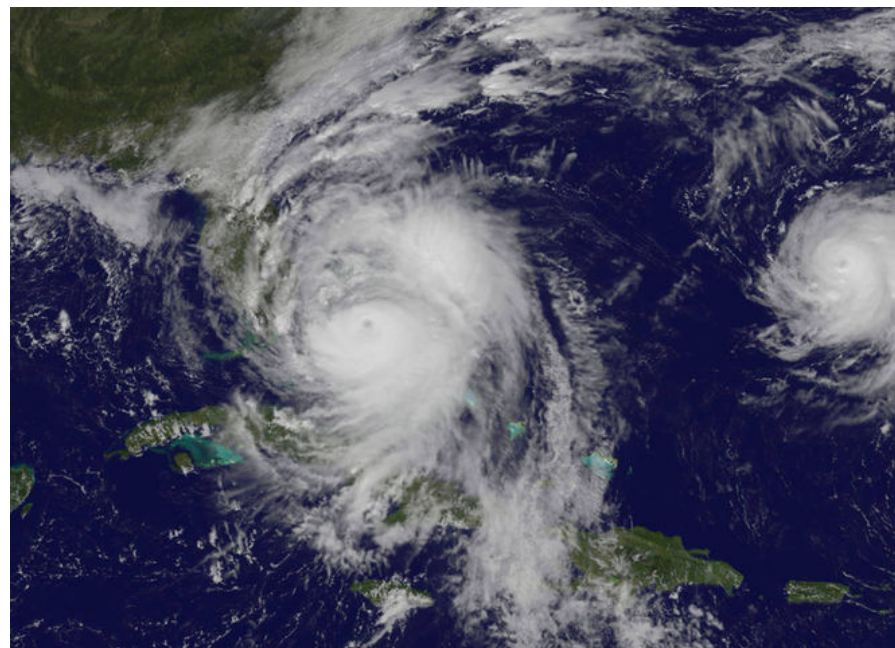
FAU Harbor Branch epidemiologist Adam Schaefer is co-author on a paper that was recently published regarding his collaborative research with SANCCOB on adult African penguins. This is the third paper published from their work, which focuses on improving the care, management and rehabilitation of

the critically endangered animals.

FAU Harbor Branch scientist and Old Vero Ice Age Site Principal Investigator Dr. Jim Adovasio is co-author on *Strangers in a New Land: What Archaeology Reveals About the First Americans*, which is a #1 best-seller on Amazon in science/paleontology.



Hurricane Matthew Spares Treasure Coast, Data Shows



Hurricane Matthew approaching Florida's east coast (Photo credit: NASA)
Earlier this month, residents all along the east coast and in our area

braced themselves for the arrival of Hurricane Matthew. Thankfully, the storm remained offshore and passed through with minimal effects to the Treasure Coast. Scientists at FAU Harbor Branch have a unique perspective on the storm, thanks to information provided by the Indian River Lagoon Observatory Network of Environmental Sensors. [Read more](#) about their findings in a recent blog post by Dr. Dennis Hanisak, IRLO Director, and Kristin Davis, IRLON Manager, concerning data collected before, during and after the storm.

Voss Lab Explores Reefs in Gulf of Mexico



Members of FAU Harbor Branch's Coral Reef Health and Ecology Lab, led by Dr. Joshua Voss, recently conducted their third technical diving cruise at the Gulf of Mexico's Flower Garden Banks National Marine Sanctuary. As part of the Mesophotic Coral Reef Project, funded through the NOAA Cooperative Institute for Ocean Exploration, Research, and Technology, the objectives of this cruise were to assess responses in the coral transplant experiment at its one-year time point, further explore and characterize the mesophotic coral communities at McGrail and Bright Banks, and to survey shallow and mesophotic *Montastraea cavernosa* corals for the prevalence of different colony morphotypes identified by our 2016 summer intern, Gillian O'Neal.

[Click here](#) to read more.