

DEEPEND
DEEP PELAGIC NEKTON DYNAMICS OF THE GULF OF MEXICO



April Cook

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Matthew Johnston

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Jose Lopez

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Grad Student



Laura Timm

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Kevin Boswell

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Jon Moore

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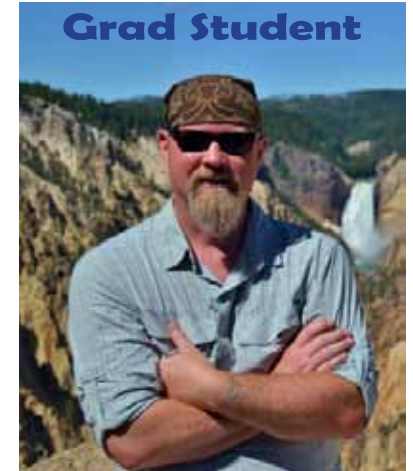


Rosanna Milligan

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Grad Student



Richard Hartland

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Laura Timm
FLORIDA INTERNATIONAL UNIVERSITY
Grad Student

STUDIES:

Deep sea isopods and shrimp — both deepwater and coastal



DEEPEND Focus

Genetic diversity and gene flow in the Gulf of Mexico

HAS STUDIED:

I've studied worms, sea urchins, and now I work with crustaceans, like shrimp!

THREE THINGS LAURA DOES TO HELP THE EARTH:

I recycle everything I can, try to walk or bike instead of driving, conserve electricity and water

Creep into the DEEPEND

Jose Lopez PhD
NOVA SOUTHEASTERN UNIVERSITY

STUDIES:

Microbiomes and Genomics

DEEPEND Focus

Molecular evolution, genomics, sponge biology, phylogenetics, marine microbiology and symbiosis (the living together of diverse organisms)

HAS STUDIED:

At the National Cancer Institute; Smithsonian Tropical Research Institute; and Harbor Branch Oceanographic Institute

THREE THINGS JOSE DOES TO HELP THE EARTH:

I drive a fuel efficient vehicle, eat low on the food chain (more veggies and less beef consumption), and promote biodiversity awareness

Creep into the DEEPEND

Matthew Johnston PhD
NOVA SOUTHEASTERN UNIVERSITY

STUDIES:

Invasive species, such as lionfish, using computer simulation

DEEPEND Focus

Data management and computer simulation



HAS STUDIED:

Lionfish, snapper and grouper, damselfish, and sharks in Florida, the Gulf of Mexico, Hawaii, the Mediterranean, and Caribbean

THREE THINGS MATTHEW DOES TO HELP THE EARTH:

I recycle, take public transit and I don't use plastic straws

Creep into the DEEPEND

April Cook, MS
NOVA SOUTHEASTERN UNIVERSITY

STUDIES:

Deep-sea fish taxonomy and ecology



DEEPEND Focus

Study the vertical distribution of deep-sea fish communities

HAS STUDIED:

Deep-sea fish and sharks in the Gulf of Mexico, Sarasota Bay, Florida Keys, Charlie-Gibbs Fracture Zone of the Mid-Atlantic Ridge, Nova Scotia, Norfolk Canyon, and Bear Seamount

THREE THINGS APRIL DOES TO HELP THE EARTH:

I recycle, conserve energy and water, create awareness by educating those around me

Creep into the DEEPEND

Richard Hartland

NOVA SOUTHEASTERN UNIVERSITY
Grad Student

STUDIES:

Sergestidae shrimp — through the entire water column



DEEPEND Focus

Changes in shrimp abundances over time and space

HAS STUDIED:

Plant-rhizobium-AMF tripartite interactions and mutualism, domestic songbird coloration changes with exposure to anthropogenically altered habitat.

THREE THINGS RICHARD DOES TO HELP THE EARTH:

I recycle everything I can, I try to raise awareness of the issues by talking to my friends on social media, and I write regularly to my Congressman asking them to help.

Creep into the DEEPEND

Rosanna Milligan, PhD
NOVA SOUTHEASTERN UNIVERSITY

STUDIES:

How marine communities are affected by human activities.



DEEPEND Focus

How deep-sea communities in the Gulf of Mexico change over time and space

HAS STUDIED:

Methods to reduce bycatch in the Scottish langoustine fishery and how deep-sea demersal fish are influenced by natural drivers and human impacts.

THREE THINGS ROSANNA DOES TO HELP THE EARTH:

I re-use plastic bottles and containers, try to walk as much as possible and I turn off my electronics at night.

Creep into the DEEPEND

Jon Moore, PhD

FLORIDA ATLANTIC UNIVERSITY

STUDIES:

Ecology, biogeography, and evolution of deep-sea fishes

DEEPEND Focus

Taxonomic identification of larval, juvenile, and adult fishes



HAS STUDIED:

Seamount animals using subs and ROVs and trawled for deep-sea fishes in the North Atlantic, West Pacific, and off Antarctica.

THREE THINGS JON DOES TO HELP THE EARTH:

I study and protect endangered species, compost food waste, and use LED lights in my home

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Kevin Boswell, PhD
FLORIDA INTERNATIONAL UNIVERSITY

STUDIES:

Fisheries acoustics, predator-prey dynamics, estuarine and marine ecology

DEEPEND Focus

Acoustic characterization of mesopelagic fishes and invertebrates

HAS STUDIED:

Fisheries ecology ranging from tropical to arctic ecosystems, autonomous and remotely operated vehicles, underwater acoustics

THREE THINGS KEVIN DOES TO HELP THE EARTH:

I recycle, consume less and educate others on the importance of protecting the ocean.

Creep into the DEEPEND

