

# Conservation and Cartilaginous Fish

October 26-28, 2018

**Duke**  
ALUMNI

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Forever Duke.



From sharks, the apex predators of the ocean, to the unassuming and angelic-looking rays, marine conservation and research span a wide range of creatures and habitats. Though on the outside, cartilaginous fish come in all shapes, sizes, and habitats, these distant cousins have more in common than you realized and may even be more threatened than threatening.

Join fellow alumni, family, and friends as we explore the mysterious and sometimes misunderstood world of sharks, skates, and rays. During the weekend we will examine approaches to research, conservation, and the ways people affect the habitats of these creatures and thus their very existence.

The weekend begins with an introduction to the Duke Marine Laboratory and a lecture that will provide context for the weekend's discussions. On Saturday, you will spend the day in a combination of engaging lectures and hands-on lab work led by outstanding faculty members and researchers seeking to protect these amazing creatures. You'll also have the opportunity to learn about the state-of-art equipment currently being used in the field by the world's acclaimed scientists in this discipline. On Saturday evening, you can spend your free time exploring the charming, seaside community of Beaufort, which is home to around a hundred Duke students during the year. Everyone will return to the Marine Lab campus on Sunday morning for a few final wrap-up lectures and activities.

Led by some of Duke's top faculty, it will be an unforgettable and educational Marine Lab experience. Make your reservations soon, as this is one of the Alumni Association's most popular Forever Learning Programs.



## SAMPLE SCHEDULE

### FRIDAY

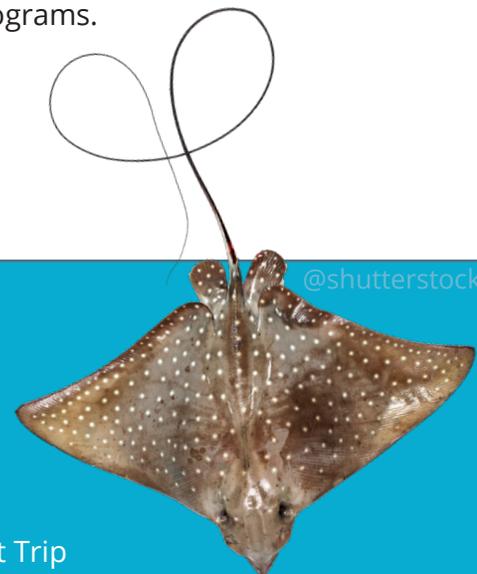
4:00 pm Registration  
4:30 pm Orientation/Tour  
6:15 pm Lecture  
7:00 pm Reception  
7:30 pm Dinner

### SATURDAY

9:00 am Lecture  
10:30 am Experiments in Lab  
12:45 pm Lunch  
1:45 pm Lecture  
3:00 pm Cont. Lab Experiments  
*Free Evening in Beaufort, NC*

### SUNDAY

9:00 am Boat Trip  
12:00 pm Conclusion



## ACCOMMODATIONS

There are many great hotels, inns and bed & breakfasts along the coast. When you reserve your space in the program, we will send you a list of accommodations in the Beaufort area. (Room pricing will be from approximately \$149 per night, depending on the establishment).

## LOCATION

Located on Pivers Island, within North Carolina's Outer Banks, the Duke University Marine Lab is adjacent to historic Beaufort, one of the oldest towns in the state. From the Duke Marine Lab and the Beaufort waterfronts, you can see wild horses grazing and egrets or pelicans flying. By air, the nearest airports are in New Bern, N.C., (45 minutes away) or Jacksonville, N.C., (90 minutes away). Rental cars and taxis are available at both airports. There is also a small local airstrip in Beaufort for private planes.

## FITNESS REQUIREMENTS

The physical demands of this program are moderate. The most significant challenge involves the field trip on the ship, specifically boarding and maneuvering on the ship, and potential exposure to sun, wind, and heat. Closed-toe shoes are required on board and in the lab.

## FEES

Program fees are **\$435 per person** and include tuition, refreshments, a reception and dinner, a lunch, lab materials, and the ship excursion. Participation is limited to 36 people. **Children must be accompanied by an adult and must be at least 10 years old, or in the fifth grade.** The program fills quickly, so early registration is recommended.

## REGISTRATION

Registration for this program can be done online at [alumni.duke.edu/marine](http://alumni.duke.edu/marine). For assistance with registration, please call 919-684-2988.

## REFUNDS/CANCELLATIONS

Payment will be refunded until 30 days prior to the program's start date, minus a \$125 per person cancellation fee. All refunds will be returned to the credit card used for the original transaction. Schedules will be carried out as closely as possible, but are subject to change.

**Disclaimer:** Duke University has no responsibility in whole or in part for any loss, death, damage, or injury to person or property or accident, mechanical defect, failure, or negligence of any nature howsoever caused in connection with any accommodations, transportation, or other services. Baggage is at the owner's risk entirely. The right is retained to decline to accept or retain any person as a participant should such person's health, mental condition, physical infirmity, or attitude jeopardize the operation of the program or the rights, welfare, or enjoyment of other participants. We reserve the right to revise the program itinerary as needed.

## PRIMARY FACULTY



### Andrew Read

Andrew is the Stephen A. Toth Professor of Marine Biology and Director of the Duke Marine Lab. Dr. Read's research interests are in the conservation biology of long-lived marine vertebrates, particularly marine mammals, seabirds and sea turtles. Much

of his current research documents the effects of human activities on populations of these species and attempts to find solutions to such conflicts. This work involves field work, experimentation and modeling. He is especially interested in the development and application of new conservation tools.



### Brian Silliman

Brian is the Rachel Carson Associate Professor of Marine Conservation Biology. Dr. Silliman has served as the David H. Smith Conversation Fellow with The Nature Conservancy and a Visiting Professor with the Royal Netherlands Society of Arts

and Sciences. He has received several awards, including the Young Investigator Award from the American Society of Naturalists, a Young Investigator Grant Award from the Andrew Mellon Foundation, and a NSF Career Grant Award. He has published numerous book chapters and peer-reviewed journal articles, and co-edited **Human Impacts on Salt Marshes: A Global Perspective** and **Marine Community Ecology**. Dr. Silliman's teaching and research are focused on community ecology, conservation and restoration, global change, plant-animal interactions, and evolution and ecological consequences of cooperative behavior.



### Avery Paxton

Avery is a visiting scholar and postdoctoral researcher with the Silliman Lab at the Duke University Marine Lab and a postdoctoral fellow with the South-East Zoo Alliance for Reproduction and Conservation, where she is studying how sand

tiger sharks rely on coastal habitats. Avery's research aims to understand relationships between species and their habitats to guide applied conservation and management decisions in the face of global change. She is one of the lead scientists for Spot A Shark USA, which engages citizen scientists in sand tiger shark conservation and research. Avery is also on the Board of Directors for SciREN, a nonprofit that brings cutting edge STEM research to classrooms to inspire the next generation of scientists.



# Registration Form

## Conservation and Cartilaginous Fish

October 26-28, 2018

To register call Jo Supernaw at (919) 684-9517 or complete this form and fax it to (919) 684-6022.

Please reserve \_\_\_\_\_ space(s) for me in the Title program. (\$435 per person)

Name(s):

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Title First Middle Last Duke Class Year

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Title First Middle Last Duke Class Year

Credit Card:  VISA  AMEX  
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City State Zip

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Phone (H)

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Phone (C)

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Email



### Questions?

Contact Jenn Chambers at Duke Alumni, (919) 681-6216 or [jennifer.chambers@duke.edu](mailto:jennifer.chambers@duke.edu)

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