

2018 HUTTON JUNIOR FISHERIES BIOLOGY PROGRAM

American Fisheries Society

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What is the Hutton Program?

The Hutton Junior Fisheries Biology Program is a highly competitive, **paid** summer internship for high school students who are interested in the field of **Aquatic Fisheries and Science Management**. In 2001, the program launched for its first summer and ever since has been sponsoring bright, passionate students from across North America to spend their summers working with a fisheries professional. The mission of the Hutton Program is to **promote interest** in the field of Fisheries among **underrepresented groups** within the profession. Our goal is to attract students from **minority backgrounds** and **women** to participate in an eight-week, unique and hands-on learning experience. Students are **matched** with **fisheries professionals within their local communities** to assist them with various projects inside **laboratories** as well as outside in the **field**. Selected students, known as “Hutton Scholars”, who successfully complete the Hutton Program receive a **\$4,000 award**.

This year, AFS supported 26 Hutton Scholars from around the United States (15 states and Puerto Rico) and from British Columbia, Canada!

“In addition to the significant and straightforward contribution to the field work, [the Hutton Scholar’s] involvement brought new perspective on specific organisms and ideas in the project. “

- Dr. Eric Schott

*Institute of Marine and
Environmental Technology-
University of Maryland
Eastern Shore*

Baltimore, Maryland



Adriana Pena and Dr. Robert Aguilar at the Smithsonian Environmental Research Center in Maryland

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Hutton Scholar Representation in each Division

North Central Division

Five Scholars

- Discovery World Aquarium
- Iowa DNR
- Minnesota DNR
- Montana Fish, Wildlife and Parks
- University of Missouri

Northeastern Division

Two Scholars

- NOAA Northeast Fisheries Science Center: Sandy Hook Laboratory

Southern Division:

Nine Scholars

- A.E. Wood Fish Hatcheries
- Institute of Marine and Environmental Technology
- Maryland DNR
- Florida Fish and Wildlife Commission
- Florida International University
- US Fish and Wildlife Service
- Smithsonian Environmental Research Center
- University of Puerto Rico at Aguadilla
- United States Geologic Survey (USGS) Leetown Science Center

Western Division

Nine Scholars

- Bureau of Land Management: Coos Bay District
- Idaho Department of Fish and Game
- NOAA Southwest Fisheries Science Center: La Jolla Laboratory
- University of California at San Diego: The Scripps Institute of Oceanic Research
- University of Victoria
- University of Washington
- USGS in Hilo, Hawaii
- USGS Washington Cooperative Fish and Wildlife Research Unit



Jewel Walden working with Florida International University in Miami

Another Successful Year...

This year's class of Hutton Scholars was filled with bright and passionate future fisheries professionals. Students in internships across North America spent a fascinating summer learning all about fisheries science and management.

Location of Scholars:

- | | | |
|-------------------|--------------|----------------|
| -British Columbia | -Minnesota | -Washington |
| -California | -Missouri | -West Virginia |
| -Florida | -Montana | -Wisconsin |
| -Hawaii | -New Jersey | |
| -Idaho | -Oregon | |
| -Iowa | -Puerto Rico | |
| -Maryland | -Texas | |

Demographics Breakdown:

- 149 Total Applicants
- 83 Female Applicants
- 71 Minority Applicants

Of the 26 Selected Hutton Scholars:

- Minority Female Scholars: 11 (42%)
- Minority Male Scholars: 7 (27%)
- Total Female Scholars: 16 (62%)
- Total Male Scholars: 10 (38%)

"I'm hugely impressed by the Hutton Program; I truly hope that AFS continues to offer it. Quite simply, there is nothing else like it!"

*-Dr. Julian Olden
University of Washington
Seattle, Washington*

2018 Scholar Highlights



Gabriel McMillen

Location: University of Washington and USGS Washington Cooperative Fish and Wildlife Research Unit in Seattle, Washington

Mentor: Dr. Jaqueline Padilla-Gamino

"... we went out on a boat to collect some of Lindsay's samples and cages, and I had the time of my life...I was very excited to assist the divers because diving has always interested me. The program has exceeded my expectations because I was able to participate in a study, which will determine the sustainability of mussels in the increasingly acidic waters in the Pacific Northwest."



Karolina Szenkiel

Location: NOAA-Northeast Fisheries Science Center in Highlands, New Jersey

Mentor: Dr. Chris Chambers

"The Hutton Program has most definitely increased my interest in fisheries. After seeing the vast potential in the field and the opportunity for growth, I'll definitely be pursuing more education in ichthyology and conservation science this year when I'm in college."



Claire Vaage

Location: Idaho Department of Fish and Game in Nampa, Idaho

Mentor: Patrick Kennedy

"The Hutton Program has most definitely influenced my major choice; it has validated my passions, made me ponder my ultimate goals, and offered me a skill set to pursue those... However, thanks to the AFS Hutton Scholar Program, I feel more prepared and confident than ever to achieve my goals whether it be fisheries or some variation of such!"



Catherine Nguyen

Location: Discovery World in Milwaukee, Wisconsin

Mentor: Kelly Christman

"My experience as a [Hutton Scholar] was a whole new experience for me full of enrichment, enjoyment, and learning."



Diego De La Fuente

Location: A.E. Wood Fish Hatchery in San Marcos, Texas

Mentor: Michael Matthews

"I would definitely say that the Hutton program has influenced what I want to study in college, because before entering this program I was also interested in doing engineering, and I realized that I'm much more interested by the natural sciences because my experiences."



Maria Arellano

Location: Bureau of Land Management in Coos Bay, Oregon

Mentor: Stephanie Messerle

"The Hutton program allowed me to meet so many wonderful natural resource specialist, hydrologist, fish biologist, restoration biologist and exotic species specialist."

2018 Scholar Highlights



Ashley Hrdina

Location: University of Missouri in Columbia, Missouri

Mentors: Dr. Darby Niswonger and Dr. Michael Moore

"The Hutton program not only increased my interest in fisheries but conservation especially. I plan to make conservation my major in college and more than likely in the fisheries department... With this program I made great professional connections and friends while at the same time having an adventure filled summer!"



Brady Rudh

Location: Minnesota Department of Natural Resources in St. Paul, Minnesota

Mentor: Dr. Loren Miller

"I believe that if I was not already dedicated to fisheries before this summer, I certainly am now. My experiences confirmed my interest in fisheries, giving me a focus for college and beyond... I have so much more knowledge, not only about fisheries, but how to get into the fisheries world and what working in the fisheries is like."



Kerby Nulud

Location: Maryland Department of Natural Resources in Annapolis, Maryland

Mentor: Dr. Tomas Ivasauskas

"...I had to opportunity to build relationships with my coworkers by simply asking questions or creating small talk, and that made me learn many things about pursuing this field of work and what obstacles I may face along the way. The Hutton Program has increased my interest in fisheries and in environmental science in general."



Natalia Quintana Parrilla

Location: Fish and Wildlife Service in San Juan, Puerto Rico

Mentors: Brent Murry and Miguel Toño

"The Hutton Program gave me an insight of what it could be like if I were to go into that area in the future... I know it is where I want to start with in college. I am more interested in aquatic environments... and fisheries have a very important relationship with them; my plan is to study thoroughly both of them in college."



Chelsea Li

Location: University of Washington in Seattle, Washington

Mentor: Dr. Julian Olden

"I have been able to observe the lifestyle and job of people in the fisheries profession. It is nice to see the passion the people... have for their job as well as the close community here. Being able to see what it is like to work among such a nice group of people has exceeded my expectations."



Sebastian Sanchez

Location: University of California at San Diego, CA

Mentor: Lyall Bellquist

"The internship has widened my scope about conservation issues and I've observed that ocean conservation is a complex subject with many factors. Every day at my laboratory, I see passionate people solving conservation issues with different approaches, perspectives, and skills... Learning about conservation was a great insight I gained."

Thank you to our generous financial supporters.

The Hutton Junior Fisheries Biology Program received funding from US Federal and State Agencies, and AFS Units in 2018. Our funding partners played a key role in providing a unique summer internship experience for all 26 of AFS Hutton Scholars.

2018 Funding Partners:

- USDA Forest Service
- USDI Bureau of Land Management
- National Oceanic and Atmospheric Administration (NOAA)
- Wisconsin Department of Natural Resources
- Missouri Department of Conservation
- AFS Oregon Chapter
- AFS Idaho Chapter
- AFS Nebraska Chapter
- AFS Michigan Chapter

Looking Ahead...20 years in 2020.

This summer we provided many new experiences and opportunities for the 26 selected students. To give the Hutton Scholars a better sense of community within the program we offered webinars about college choice and career path, in-person visits from AFS staff and a pen-pal program with current students and early career professionals. As the Hutton Program wraps up its 18th summer, we are constantly thinking about new opportunities to share with the Scholars and creating funding partnership to keep the Hutton Program's future bright.

The next year and leading into Hutton's 20th season looks promising for both the program and the many aspiring fisheries professionals that have and will participate in this unique and one-of-a-kind experience.

Contact Us

Do you want to support a Hutton Scholar or have general questions about the program? Give us a call!

Mary Webb Banning
AFS Educational Program
Coordinator

425 Barlow Place, Suite
110

Bethesda, Maryland 20814
mbanning@fisheries.org

Visit us on the web at
hutton.fisheries.org



Dr. Tomas Ivasauskas and Hutton Scholar, Kerby Nulud