

# Alison Frey

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## EDUCATION

University of Rhode Island (URI) - Kingston, RI  
B.S. Marine Biology

Sept 2014 - May 2018

## RESEARCH and WORK EXPERIENCE

NOAA NMFS Northeast Fisheries Science Center - Narragansett, RI  
Biological Technician

August 2018 -

- *Evaluation of Northeast Windowpane Flounder stock structure through analysis of early life history stages*
- *Sorting, identification, otolith aging, and analysis of fixed Windowpane Flounder ichthyoplankton samples, data processed with MatLab and R*
- *Full-time government contractor through Integrated Statistics (Woods Hole, MA)*

Collie Lab, URI Graduate School of Oceanography - Narragansett, RI  
Undergraduate Lab Assistant

May 2017 - May 2018

- *Sorting, identification, and analysis of fixed ichthyoplankton samples with a focus on community composition, Winter Flounder, and Atlantic Cod populations in Narragansett Bay, data analyzed with Microsoft Excel and R*
- *Collaborative work with the RI Dept. of Environmental Management Division of Marine Fisheries*

Coastal Fellowship, URI - Kingston, RI  
Undergraduate Research Fellow

May 2016 - Dec 2016

- *Independent research project to analyze growth of Little Skates (*Leucoraja erinacea*) in relation to food consumption and abiotic factors*
- *Data analyzed with R, findings presented at URI Fellowship Poster Session*
- *Project under Kelsey James, PhD candidate URI Fisheries, Animal, and Veterinary Sci. Dept.*

Dept. of Biological Sciences, URI - Kingston, RI  
Lab Assistant for Introductory Biology Labs

2015 - May 2018

- *Responsible for weekly preparation, set up, and cleanup of introductory biology labs*
- *Responsible for training undergraduate and graduate teaching/lab assistants*
- *Assisted in organizing and making changes to lab programs, including, but not limited to re-running experiments and interpreting results*
- *Skills in machinery maintenance, PCR, gel electrophoresis, inventory management, and handling of hazardous waste material*

Dept. of Biological Sciences, URI - Kingston, RI  
Teaching Assistant for Introductory Biology Labs

Fall 2015

- *Assisted in leading lab classes of 24 students, answering questions, and offering individual aid to enhance the learning experience*

## AWARDS and HONORS

URI Dept. of Biological Sciences Alpha Award for Service  
*Recognized for service as a laboratory assistant*

May 2018

Honorable Mention for John H.S. Blaxter Award

June 2018

*Student poster presentation award at the AFS ELHS Larval Fish Conference*

AFS ELHS Grace Klein-MacPhee Student Travel Grant	June 2018
<i>Awarded for travel to the AFS ELHS Larval Fish Conference</i>	
URI College of the Environment and Life Sciences Dean's Travel Grant	June 2018
<i>Awarded for travel to the AFS ELHS Larval Fish Conference</i>	
URI Coastal Fellowship	Dec 2016
<i>Undergraduate research fellowship</i>	
Nomination for URI Rainville Student Leadership Award	May 2018
URI Undergraduate Dean's List	2014 - 2018

## SCIENTIFIC CRUISES

NOAA NMFS Northeast Fisheries Science Center Bottom Trawl Survey	May 2019
NOAA Ship Henry B. Bigelow	
<ul style="list-style-type: none"><li>• <i>Duties included identification and sorting of Northwestern Atlantic groundfish species</i></li><li>• <i>Biological sampling of fishes</i></li><li>• <i>14 day cruise</i></li></ul>	
Woods Hole Oceanographic Institute Auto-Buoy Turnaround Cruise	June 2017
OSV Warren Jr	
<ul style="list-style-type: none"><li>• <i>Responsible for the recovery of samples for the Lohman Lab (URI Graduate School of Oceanography)</i></li><li>• <i>4 day cruise</i></li></ul>	
URI Graduate School of Oceanography Fish Trawl Survey	2016 - 2018
RV Cap'n Bert	
<ul style="list-style-type: none"><li>• <i>Assisted in identification, sorting, and sampling of catch</i></li><li>• <i>single day cruise on multiple occasions</i></li></ul>	

## SERVICE and PROFESSIONAL DEVELOPMENT

Ambassador for URI College of the Environment and Life Sciences	May 2017 - May 2018
<ul style="list-style-type: none"><li>• <i>Assisted with student events, welcome days, move in days, student question and answer sessions, tours, and open house events</i></li><li>• <i>Recruited high school students to URI College of the Environment and Life Sciences</i></li></ul>	
URI 101/BIO 130 Mentor	Fall 2015
<ul style="list-style-type: none"><li>• <i>Served as a mentor for 23 freshman marine biology students</i></li><li>• <i>Led team building activities and provided mentorship for academic and personal matters</i></li></ul>	
Aquatic Food Production in the Philippines	January 2017
Off-campus Undergraduate Study - URI	
<ul style="list-style-type: none"><li>• <i>Three-week intensive field course focused on aquaculture and fisheries systems in the northern Philippine Islands</i></li><li>• <i>Carnegie J-Term Travel scholarship awarded based on merit and need, \$2000 toward course</i></li></ul>	
Member of Society for Women in Marine Science - URI	Fall 2016 -

## PRESENTATIONS

Poster Presentation	December 2018
Alison Frey, David Richardson, Katey Marancik, and Harvey Walsh. "Assessment of Windowpane Flounder Larval Distribution and Growth Along the Northeast U.S. Continental Shelf" presented at the 16th Flatfish Biology Conference, Westbrook, CT.	

Poster Presentation June 2018

Alison Frey, J. Langan, C. McManus, and J. Collie. “Characterizing the Response of the Winter-Spring Ichthyoplankton Community to Environmental Change” presented at the American Fisheries Society Early Life History Section 42nd Annual Larval Fish Conference, Victoria, BC, Canada. – Honorable Mention for JHS Blaxter Student Poster Award

Poster Presentation January 2018

Alison Frey, J. Langan, C. McManus, and J. Collie. “Characterizing the Response of the Winter-Spring Ichthyoplankton Community to Environmental Change” presented at the Southern New England Chapter of the American Fisheries Society winter meeting, UMass/SMASST, Dartmouth, MA.

Poster Presentation. December 2016

Alison Frey and Kelsey James. “Effect of abiotic factors and food consumption on the growth of the Little Skate” presented at the University of Rhode Island Coastal and Energy Fellows Poster Presentation, Kingston, RI.

Oral Presentation. January 2017

Alison Frey. “Algal Culturing in the Philippines: Micro and Macro Algae in Fisheries Systems” student presentation at the Asian Fisheries Academy, Dagupan, Philippines.

## **CERTIFICATIONS and SKILLS**

Computer and software skills: *MatLab, R/RStudio, Microsoft Office Suite*

Technical skills: *Northern Atlantic groundfish species identification and biological sampling, ichthyoplankton identification, otolith aging, compound and dissecting microscope use & maintenance, basic gel electrophoresis and PCR*

Small boat use: *US PowerSquadron Boating Safety Certification, Massachusetts Basic Boating Safety Certification*

Safety: *NOAA Laboratory and cyber safety training, URI Hazardous Waste management training and Lab Safety training (current)*

Language skills: *conversational Spanish*

Diving certification: *PADI Open Water Scuba Diver*