

Curriculum Vitae
Myesa Legendre-Fixx

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Education

Diploma, Kamiak High School, Mukilteo, WA **June 2013**

- Cumulative GPA 3.92

University of Washington, Seattle, WA

Intended Graduation Date: June 2018

- McNair Scholar, Major: Oceanography, Intended Major: Ecology (Biology)
- Dean's List: Winter, Spring and Fall 2014, Winter and Spring 2015; Current GPA: 3.78

Educational and Career Goals

- Go to graduate school and earn a Ph.D. in either terrestrial or marine climate change ecology
- Career work in conservation or restoration

Research Experiences

Rocap Lab (biological oceanography)

June 2013-March 2015

Mentors: Dr. Gabrielle Rocap, Jaci Saunders, Dr. Clara Fuchsman

- ALVA GenOM (Genomics Outreach for Minorities) Project June-August 2013
 - Used bioinformatics to search for *Prochlorococcus* (the smallest photosynthetic organism) circadian clock genes in a databases of global surface ocean bacterial genomes
 - Wrote a research paper, designed a poster, and gave an oral presentation at the ALVA closing ceremony
- Undergraduate Researcher September 2013-June 2014, January 2014-March 2015
 - Routinely acid cleaned the culturing glassware to eliminate trace-metal contamination and made trace-metal clean artificial seawater for the *Prochlorococcus* bacteria
 - Practiced sterile laboratory techniques while transferring the rapidly growing bacteria
 - Presented my work multiple times in lab meetings
- SURP (Summer Undergraduate Research Program) Internship June -August 2014
 - Transferred and tracked the growth of *Prochlorococcus* bacteria. Plotted and analyzed data
 - Used command-line analysis to search for circadian clock genes in a subsurface database and to create phylogenetic trees
 - To have a better comprehension of working in the command-line interface, learned elementary python coding and wrote a program to insert into the sequence of analysis programs

RV Thompson: Visions '14 Expedition (oceanography fieldwork)

August-September 2014

Mentors: Dr. John Delaney, Dr. Deb Kelley

- Collaborated with two other students to complete over 30 new entries for a biology catalog of the local fauna
- Joined chief scientist John Delaney on a live webcast to educate others about being an undergraduate scientist at UW
- Assisted with processing a couple thousand deep-sea fluid samples

NOAA Research Intern (social science)**June-August 2015**

Mentor: Dr. Amber Himes-Cornell

- Used qualitative social science methodology to investigate how the implemented management program in the Alaska Bering Sea crab Fisheries was affecting new entry and upward mobility in those fisheries
- Independently conducted semi-structured phone interviews with Bering Sea crab fishermen
- Qualitatively analyzed pages of interview transcripts by categorizing what the interviewees expressed, and by making connections between the interviews
- Drafted a journal article of the findings, intended to be published in a peer-reviewed journal

Mt. Rainier Intern (ecology fieldwork)**August-September 2015**

Principle Investigator: Dr. Janneke Hille Ris Lambers

- Worked without a supervisor on site. Conferred with other interns in order to successfully plan out and prioritize tasks for each day, and to complete the tasks for the week
- Effectively worked in small groups of two or three to complete the daily tasks in the field
- Followed protocol in the field and made modifications when unexpected events or problems arose
- Worked safely and efficiently in unpleasant weather conditions and on steep slopes
- Quickly learned how to identify major tree and plant species in the park
- Learned how to navigate off-trail with a compass and GPS

HilleRisLambers Lab (climate change ecology)**March-June 2015, October 2015- Present**

Mentor: Dr. Janneke Hille Ris Lambers

- Demonstrated flexibility by assisting with multiple research projects during Spring quarter
- Currently independently learning how to program in R for tree-ring analysis

Leadership Experiences**UW ALVA GenOM (Genomics Outreach for Minorities) Project Mentor (Volunteer Position)****June-August 2014, April-May 2015, June-August 2015**

- Mentored and tutored the 2014 and 2015 ALVA students in math and chemistry, and critiqued their papers, abstracts and posters
- Assisted the two GenOM students placed in the Rocap Lab (summer 2014) with adjusting to rigorous college expectations.
- Reviewed and ranked the majority of received applications (2015), conducted phone interviews, and also contributed to choosing the final candidates in preparation for the 2015 program

UW MESA (Mathematics, Engineering, Science and Achievement) Tutor (Volunteer Position)**September-Present 2014**

- Promote academic achievement in at-risk youth by encouraging growth mindset, tutoring in mathematics, and providing insight to applying to and attending college.

Other Work Experiences**Service Specialist, JCPenney, Lynnwood, WA****November 2013-March 2015**

- Skills acquired from experience: ability to multitask, ability to problem-solve in a fast-paced environment, flexibility to work in multiple different departments

Cashiers' Assistant, Costco Wholesale, Everett, WA

October 2015-Present

- Skills acquired from experience: ability and strength to do a manual labor job in an extremely busy, fast-paced work environment

Conferences Attended

- ERN Conference in STEM, Washington D.C. **February 2014**
 - Poster Presentation—*Occurrence of Circadian Clock Genes in Environmental Prochlorococcus Genomes*
- Mary Gates Undergraduate Research Symposium, Seattle, WA **May 2015**
 - Oral Presentation—*Arsenic Resistance in Prochlorococcus*
- LSMCE Conference, Indianapolis, IN **October 2015**
 - Poster Presentation—*Perceptions on Entry and Upward Mobility in the Managed Bering Sea Crab Fisheries*

Awards Received

- Academic Merit Scholarship from the UW School of Oceanography **2013, 2014, 2015**
 - Awarded for outstanding academic achievement, and for extracurricular involvement that have enhanced interest and education in oceanography
- Scholarship from the UW EOP (Equal Opportunities Program) **2014, 2015**
 - Awarded for academic achievement, community service, and for success in multiple internships and research opportunities
- Scholarship from the UW College of the Environment **2014**
 - Awarded for outstanding academic achievement and extracurricular involvement