

Pashyn Morimoto

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EDUCATION

August 2019 - Present

University of Hawai‘i West O‘ahu (UHWO)
Major: BAS – Health Professions Pre-Medical Track
GPA: 4.0

August 2017 - May 2019

Leeward Community College
Major: BS – Biology
GPA: 3.77

RESEARCH EXPERIENCE

June 2021 – July 2021

Haskell Environmental Research Studies (HERS)
Student Intern
Directors: Dr. Jay Johnson & Cody Marshall
University of Kansas

- Created research proposal: Influence of Benzophenone-3 on the Reproductive Physiology of Yellowfin Tuna in O‘ahu Seawaters
- Practical experience with water quality testing, traditional ecological knowledge, data carpentry, and landscape evolution

January 2021 – May 2021

Hawai‘i INBRE Undergraduate Student Research
Student Associate
Mentor: Dr. Bradley Ashburn, UHWO

- Researched the effectiveness of various chalcones against multiple fungal species
- Synthesized novel imidazole-bearing halogenated chalcones

August 2020 – December 2020

Bishop Museum Pacific Center for Molecular Biodiversity:
Student intern
Mentor: Dr. Kenneth Hayes

- Investigated possible PCR protocol for detecting the avian pox virus
- Extracted DNA, set up PCR reactions, and completed gel electrophoresis

January 2020 – May 2020

Hawai‘i INBRE Undergraduate Student Research
Experience: Student Associate
Mentor: Dr. Bradley Ashburn, UHWO

- Poster: Partition Coefficient of the Anti-Obesity Health Supplement Raspberry Ketone
- Researched the partition coefficient of raspberry ketone to predict effects in the human body

August 2019 – December 2019

Hawai‘i INBRE Undergraduate Student Research
Student Intern
Mentor: Dr. Bradley Ashburn, UHWO

- Poster: Lipophilicity of the Neurostimulant Caffeine
- Researched the partition coefficient of caffeine to predict effects in the human body

January 2018 – May 2018

Leeward Community College: semester-long cauliflower variety trial
Mentor: Dr. Alyssa MacDonald

- Grew several randomized varieties of cauliflower seeds
- Tracked predation, growth, and disease of plants

PUBLICATIONS

Non Peer-Reviewed

Le, D.J.; **Morimoto, P.**; Ashburn, B.O. “Lipophilicity Determination of Energy-Enhancing, Nootropic Supplements.” Native Science Report, November 2020.

<https://nativesciencereport.org/2020/11/lipophilicity-determination-of-energy-enhancing-nootropic-supplements/>

ORAL PRESENTATIONS

Morimoto P. 411 on Health Degrees. (March 2021). LCC Ke Ala ‘Anu‘u Program Transfer Panel

Morimoto P. UHWO Health Science Student Perspective. (July 2020). Hawai‘i Pacific Basin Area Health Education Center (AHEC), Student Panel – Health Career Services

POSTER PRESENTATIONS

Bailey N, **Morimoto P**, Kae H, & Ashburn B, “Synthesis and Assay of Imidazole Bearing Chalcones Targeted Towards Treatment of Aspergillosis.” University of Hawai‘i West O‘ahu Student Research and Creative Works Virtual Symposium April 20, 2021.

Bailey N, **Morimoto P**, Kae H, & Ashburn B, “Synthesis and Assay of Imidazole Bearing Chalcones Targeted Towards Treatment of Aspergillosis.” John A. Burns School of Medicine Biomedical Sciences and Health Disparities Symposium April 16, 2021.

Pagat S, **Morimoto P**, “Testing the Effectiveness of Natural versus Chemical Disinfectants on Gram Positive Bacteria *S. epidermidis*.” University of Hawai‘i West O‘ahu Student Research and Creative Works Virtual Symposium November 18, 2020.

Caliboso K, Dunne K, **Morimoto P**, Pagat S, Romine R, “Determination of Blood Type in a Cohort of College Students.” University of Hawai‘i West O‘ahu Student Research and Creative Works Virtual Symposium April 21, 2020.

Morimoto P, & Ashburn B, “Partition Coefficient of the Anti-Obesity Health Supplement Raspberry Ketone.” University of Hawai‘i West O‘ahu Student Research and Creative Works Virtual Symposium April 21, 2020.

Le D, **Morimoto P**, & Ashburn B. “Lipophilicity of the Neurostimulant Caffeine.” University of Hawai‘i West O‘ahu Student Research Symposium November 20, 2019.

PROFESSIONAL EXPERIENCE

Fall 2020- Spring 2021 National Science Foundation Enhancing STEM Education Grant
Student Tutor: Anatomy and Physiology, UHWO

- Assist students with any questions pertaining to the subject
- Hold group/individual study sessions for students
- Create informal assessment tools for study sessions
- Assist with any supplemental activities for the course

HONORS/AWARDS

May 2021 American Chemical Society: UHWO Outstanding Chemistry Student for Biochemistry Spring 2021

December 2020 UHWO Poster Winner: “Testing the Effectiveness of Natural versus Chemical Disinfectants on Gram Positive Bacteria *S. epidermidis*”

May 2020 American Chemical Society: UHWO Outstanding Chemistry Student for Organic Chemistry Spring 2020

May 2020 UHWO Poster Winner: “Partition Coefficient of the Anti-Obesity Health Supplement Raspberry Ketone”

August 2019 - May 2021 Dean’s List: University of Hawai‘i West O‘ahu

CERTIFICATIONS

April 2021 American Heart Association: Basic Life Support Provider

COMMUNITY SERVICE

November 2020 – Current Mālama Pu‘uloa Association: Organizing Online Files

April 2021 Food Bank of Hawai‘i Distribution: Kapolei

April 2021 UHWO Māla Community Workday

March 2021 Uluniu Project – University of Hawai‘i West O‘ahu

March 2021 Food Bank of Hawai‘i Distribution: ‘Ewa

March 2021 March Against Menthol

March 2021 UHWO Māla Community Workday

February 2021	Food Bank of Hawai'i Distribution: 'Ewa
February 2021	Food Bank of Hawai'i Distribution: Kapolei
February 2021	UHWO Māla Community Workday
December 2020	Blue Zones Hawai'i: Limu Mural Curb Extension Project
November 2020	Blue Zones Hawai'i Arbor Day
February 2019	Physics Olympics at Kapi'olani Community College: Judge
January 2019	Plastic Free Hawai'i beach cleanup at Malaekahana Beach Park
November 2018	Discovery Fair at Leeward Community College: Volunteer
October 2018	Mālama Loko Ea Foundation: Restoring the fishpond
March 2018	Mililani High School Science Olympics: Judge
November 2017	Discovery Fair at Leeward Community College: Volunteer