

JONATHON (JON) KUNTZ

CURRICULUM VITAE

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EDUCATION

Current graduate student PhD; Environmental Systems

2020 – Present

University of California, Merced, CA

Bachelor of Science; Biology

2012 – 2017

University of Utah, Salt Lake City, UT

PUBLICATIONS

Fichman, R, A Khen, M Willmes, A Scott, **J Kuntz**, J Hobbs, LS Lewis, 2021. The clever strategies fishes use to survive in San Francisco's dynamic estuary. *Frontiers for Young Minds*.

AWARDS

\$100,000 – NOAA California Sea Grant Research Fellowship	2022
\$1,000 - SIF Pilot Project Grant, University of California Davis	2019
\$750 - Associated Students of the University of Utah tuition award	2017
\$1,000 - Associated Students of the University of Utah tuition award	2016
\$1,200 - Undergraduate Research Opportunity Program award, Utah	2016
\$1,000 - Sustainable Campus Initiative Fund small grant, Utah	2016
\$1,000 - Associated Students of the University of Utah Assembly funding	2014
Dean's List, University of Utah	2013

PRESENTATIONS

Poster: "Habitat Use and Diet Composition of Leopard Shark in the San Francisco Estuary"

- Western Society of Naturalists 2019 Ensenada, Mex

Poster: "Habitat Use and Diet Composition of Leopard Shark in the San Francisco Estuary"

- The AFS and TWS joint National conference 2019 Reno, Nevada

Talk: "Stable Isotopic Record of Great Hammerhead Shark Ecology in Series of Teeth"

- The Wildlife Society; Discover Your Niche conference 2019 UC Davis

Talk: "Isotopic variation in Great Hammerhead Shark teeth"

- Peter Moyle Lab Fish2Fish Meeting 2018 UC Davis

Poster: "Impacts of Ecological Information on Shark Fin Soup Consumption"

- Environment and Sustainability Research Symposium 2017 Univ of Utah

Talk: "Coca Cola: An Isotopic Analysis of d13c and d18o"

- SIRFER – IsoCamp 2016 Univ of Utah

RESEARCH/EMPLOYMENT HISTORY

University of California - Davis

Davis, CA

Jr Specialist; PI: Dr James Hobbs, Dr Levi Lewis, Dr Malte Willmes Sept 2018 – August 2020

Otolith microchemistry in critically endangered Delta Smelt (*Hypomesus transpacificus*) and California Threatened Longfin Smelt (*Spirinchus thaleichthys*), tracking salinity histories associated with migration patterns throughout the San Francisco Bay Estuary.

- Multicollector LA-ICP-MS (Strontium isotopes in otoliths)
- Laser ablation ICP-MS (Trace elemental fingerprinting in otoliths)
- Otolith sanding and aging of multiple species
- Small vessel field research conducting fish population surveys (Otter Trawl & 20mm nets)
- San Francisco Bay Estuary species identification
- Eye lens microchemistry (Sulfur isotopes) in Chinook Salmon
- San Francisco Bay Estuary elasmobranch generalized additive modeling

University of Hawai'i - Hilo

Hilo, HI

Collaborator; PI: Dr Tim Grabowski

Apr 2018 – Sept 2018

Otolith aging and growth estimation for non-native Bluestripe Snapper (Ta'ape; *Lutjanus kasmira*).

- Otolith preparation and aging
- Morphometric analyses
- Bluestripe Snapper dissection and otolith extraction
- PIT tagging of teleost species

University of Utah

Salt Lake City, UT

Lab Aide; PI: Dr Thure Cerling and Dr Joan Coltrain

Sep 2016 – May 2017

Stable Isotope Analysis in series of Great Hammerhead Shark (*Sphyrna mokkaran*) teeth to create isotopic timelines of diet, trophic level, and environmental conditions.

- Thermofinnigan Delta Plus IRMS automated continuous flow inlet system with gas injection
- Dual inlet continuous flow system
- Demineralization of and freeze drying of dentine to isolate pure collagen
- Carbon and Oxygen isotopes in enameloid
- Carbon and Nitrogen isotopes in dentin

OUTREACH/LEADERSHIP

Associated Students of the University of Utah

Salt Lake City, UT

Associate Director of Sustainability

2016 – 2017

Oversaw and coordinated all sustainability efforts for the University of Utah's student government. This includes programs like "Recycle Rice-Eccles Stadium" (<http://asuu.utah.edu/recyclericeeccles>); as well as advocating for numerous other endeavors including sustainable transportation options, conservation efforts, etc.

International Student Council – University of Utah

Salt Lake City, UT

Elected President

2014 – 2016

Worked with 3,000 international students a year, creating events to promote inclusion for students attending the university from around the world. Our efforts focused on communication, studies, and social experiences for all International Students at the University of Utah.

MEMBERSHIPS

American Fisheries Society – Cal Neva subunit