



2019 DeSSC New User Program Participant Slides – Group 2 (K-W)

Gabriella Kalbach – Masters student in Ecology @ SDSU

Experience:

- Ocean acoustics with an autonomous glider
- Kelp forest biogeochemistry
- development of biosensors for bivalve physiology

Future Goals:

- Hydrothermal vent ecology
- Deep sea coral sampling
- Science communication, exploration, and time at sea
- PhD?



Sheila Moaleman

Former University of Louisiana at Lafayette Master's
Student

Currently living in Los Angeles, CA

Camille Pagniello cpagniel@ucsd.edu

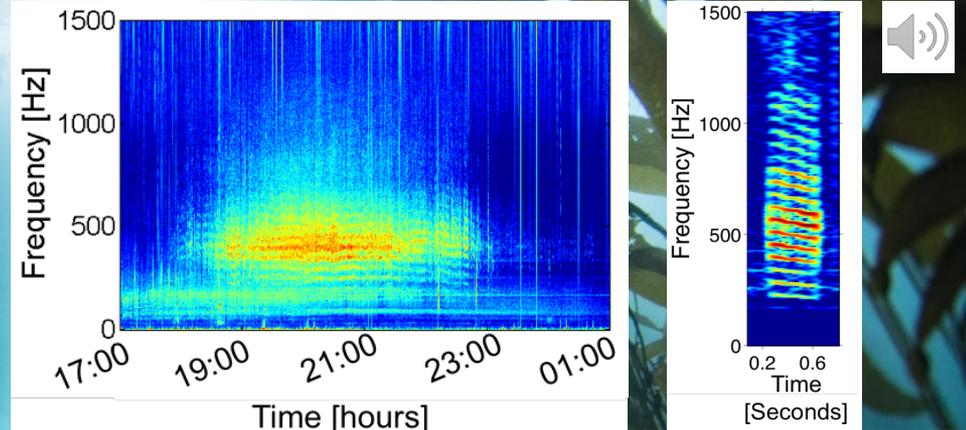
PhD Candidate in Applied Ocean Sciences
Scripps Institution of Oceanography

Research Interests

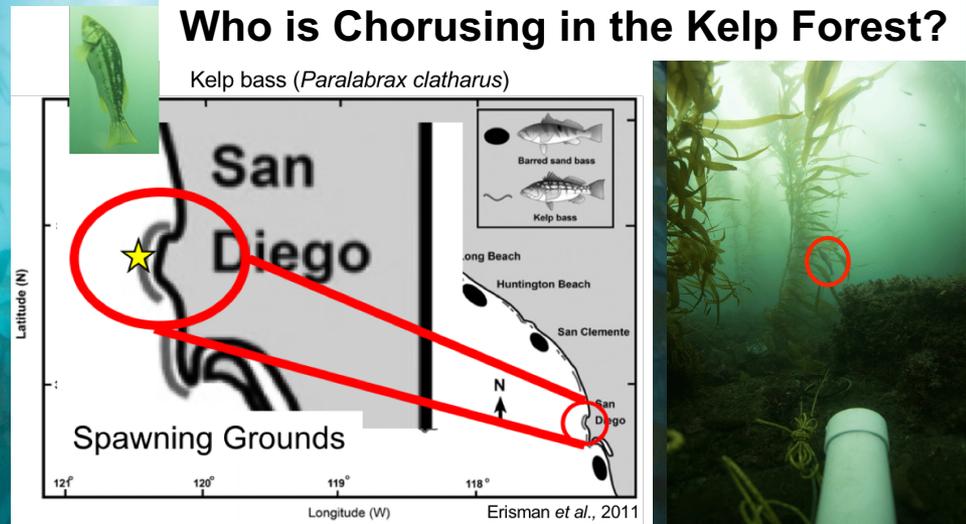
- Passive acoustic, active acoustic and optical imaging technology to study marine animals
- Fish and marine mammal bioacoustics
- Habitat mapping using active acoustics
- Influence of biologics (e.g., kelp) on acoustic propagation

Opportunities

- Looking for a postdoc starting in Fall 2020
- Interested in exploring deep-sea soundscapes



Who is Chorusing in the Kelp Forest?



Klara Perkins

Undergraduate student at California Polytechnic State University, SLO

Research experience

- Lava flow characterization at 9°N EPR using Sentry & ABE data (Scripps)
- Interior Earth analysis (Cal Poly)

Academic Interests

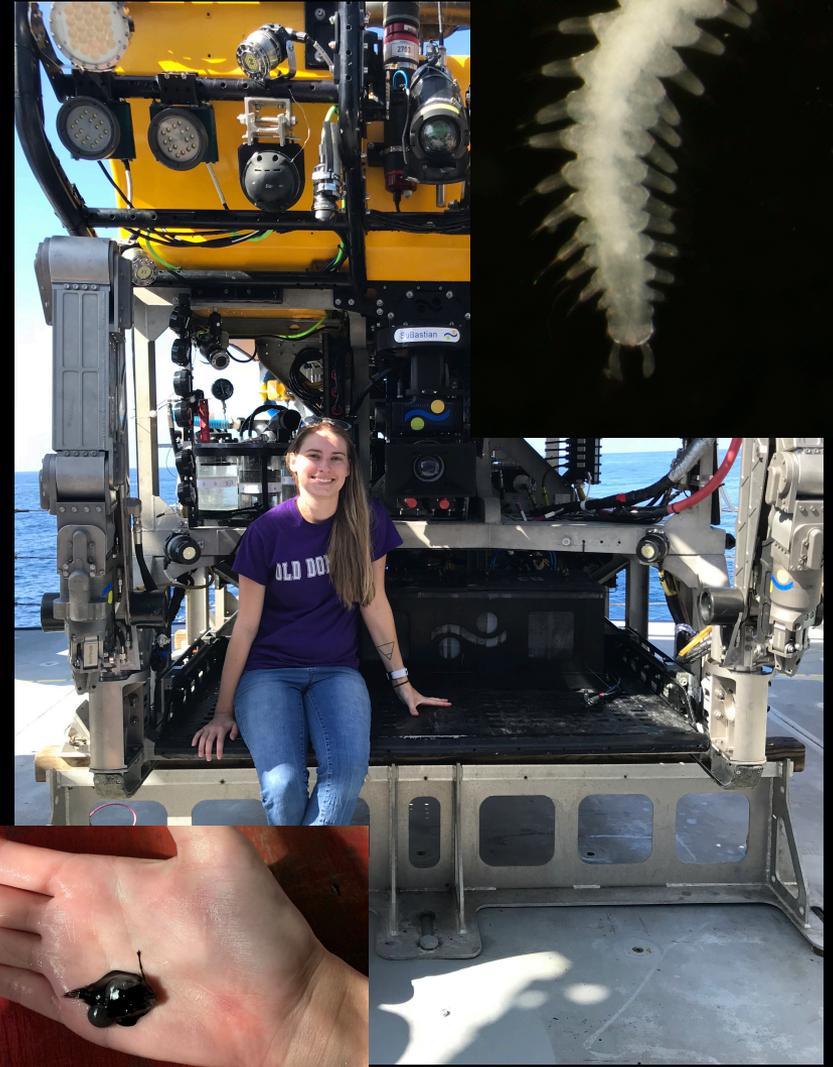
- Marine geophysics
- Volcanology
- Global engagement and pedagogy

Future

- Seeking job/experience post graduation
- Graduate school eventually

JESSICA PRUITT

- Master's at Scripps Institution of Oceanography
- taxonomy/systematics/phylogenetics
- describing new species of *Ophryotrocha*
- PhD? - anglerfish
- more taxonomy/phylogenetics?



DR. BETSY PUGEL



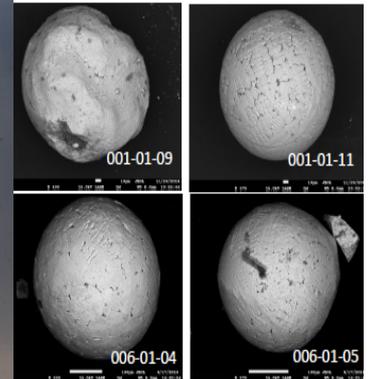
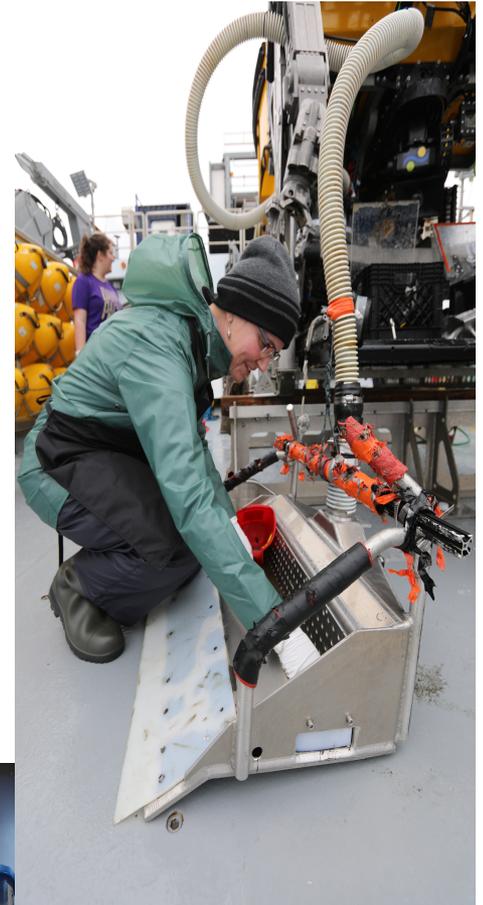
MID-CAREER ENGINEER/SCIENTIST;
IMAGERS FROM UV TO X-RAY, MASS
SPECTROMETRY ETC. FOR NASA MISSIONS

INSTRUMENT DEVELOPMENT

SAMPLING HARDWARE DEVELOPMENT

QUALIFICATION AND TESTING

CONTAMINATION & LOW-SIGNAL
MEASUREMENTS



Andrea Rodriguez-Marin Freudmann

Senior year at Harvard College, studying Mechanical Engineering

Worked in the Girguis lab on their in-situ mass spectrometer (ISMS)

Designing a non-specific pressure vessel for deep sea exploration in conjunction with WHOI

<https://tinyurl.com/surveyPVdssc>

I plan to pursue graduate school in oceanography/oceanographic engineering

I look forward to learning about what technology is being developed and meeting more people involved in this field

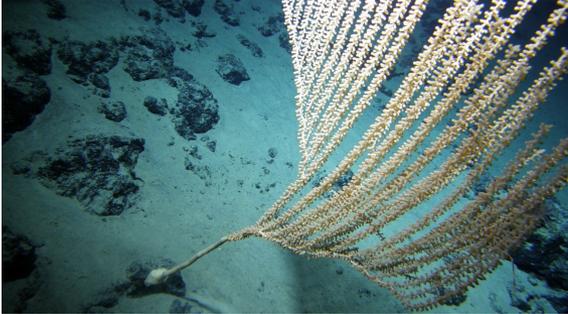
Esprit Heestand Saucier

- MSc The Ohio State University w/ Meg Daly
- PhD University of Louisiana at Lafayette w/ Scott France
 - Morphological vs Genetic differences in Deep-Sea Bamboo coral (Keratoisidinae)

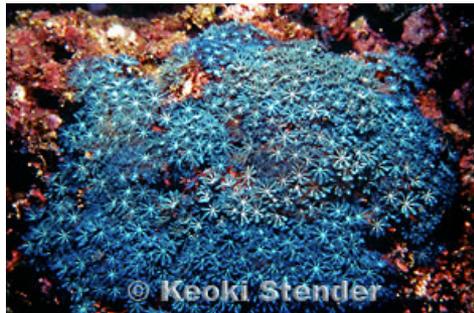
Region Depth
P-MHI

Isididae Keratoisidinae I4 clade
P5-858-005

Hawaii's Undersea
Research Laboratory



- Assistant Professor @ Brigham Young University - Hawaii
 - Hawaiian Blue Coral (Xeniidea)



**WANTING TO
START MY OWN
PROJECTS,
LOOKING FOR
COLLABORATORS**

Xingchen (Tony) Wang

- Assistant Professor, Boston College (2019-Present)
- Research interests: Ocean Biogeochemistry; Paleoceanography and Paleoclimatology; Geobiology; Stable isotopes
- N isotopes in deep-sea stony corals as a tool to study ocean biogeochemistry, past and present
- Looking for students and postdoc!



Elizabeth Whitson

Master of Science student at the University of Miami Rosenstiel School for Marine and Atmospheric Science

Current research:

- Microbiome analysis of gastropods, specifically *Aplysia californica*

Future interests:

- Mesophotic reef communities (ideally for my PhD)

