

ALOHA!

# Welcome to the Early Career Chief Scientist Training Workshop June 13-14, 2019



SCHOOL OF OCEAN AND EARTH  
SCIENCE AND TECHNOLOGY  
UNIVERSITY OF HAWAII AT MĀNOA



# Mahalo to people making this happen

- Dave Karl
- Jenn Kondo
- Alice Doyle
- The folks in CMORE Hale

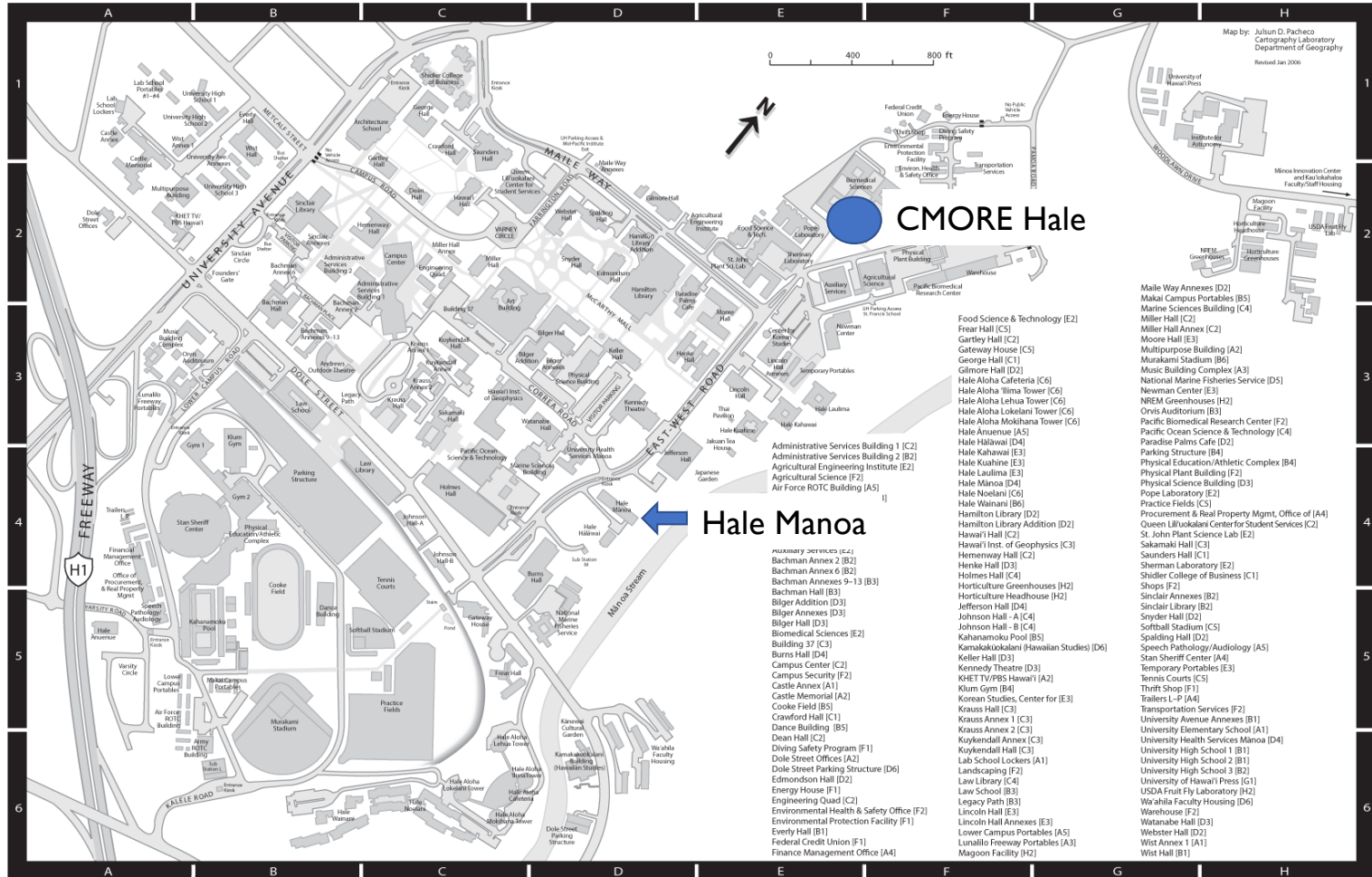


# Objectives for the Project and Cruise

- Provide early career researchers with experience and training in cruise leadership and execution
- Introduce cruise participants to oceanographic sampling equipment and training on the collection of biological and chemical oceanographic samples
- Obtain high-quality measurements to inform a broad understanding of the role of biology in coupling exchange of bioelements between the epi- and mesopelagic zones of the North Pacific Subtropical Gyre (NPSG).

These training programs were motivated by UNOLS with support from NSF to increase proposals submitted by young scientists that leverage research vessels

# Your temporary home



# Your future home

- Loading : June 14 (beginning ~1300)
- Move aboard June 14
- Cruise: June 15-24 (return to dock at 0800)
- Move into New Otani Hotel June 24
- Depart June 25

## House Rules:

- No drugs or alcohol
- No swimming
- Be a good neighbor
- Above all else - be safe and safety conscious





# Fantastic Outreach Leaders

- Rebecca Asch
- BB Cael
- Sarah Lerch



- UNOLS website - blog posts, videos, photos, etc.
- June is Oceans month and the NSF Office of Legislative & Public Affairs (OLPA) and we are providing videos, photos, etc.
- NSF Facebook site already contains a Kilo Moana video!

# We are very lucky to have great team leaders

- Ashley Maloney, Matt Rau
- Erin Black, Aric Mine
- Harriet Alexander, Abigail Bockus



Thank you for your assistance in planning this cruise...

# What are the responsibilities of a chief scientist?

## My list includes....

- Leadership
- Proposal writing and ship time requests
- Cruise planning and coordination among scientists, UNOLS, marine center support (including marine techs), and captain/crew
- Data management
- Continuous retuning of science and schedules at sea
- Safety
- Civility
- Communication between ship operators, marine techs, and science team at sea
- Outreach, communicating with the public
- Facilitate (to the best of your ability) the science team's (including your own!) science
- Post-cruise data management
- Cruise report and post-cruise assessment
- Follow up science discussions and synthesis



On top of all of this...have fun

## We will cover many of these topics over the next 1.5 days

- Proposals, ship time requests - Mike & Rose (NSF), group discussions
- Cruise planning and coordination— Alice Doyle (UNOLS), Mike & Rose (NSF), Project PIs
- Data management - Shannon Rauch (BCO-DMO)
- Science scheduling at sea - Project PIs
- Safety – Anita Lopez (SOEST), KM Captain, PIs
- Civility - Anita Lopez (SOEST)
- Communication between ship operators, marine techs, and science team at sea - Scott & Max (UH Marine Center)
- Outreach, communicating with the public – Dan Meisenzahl (UH Office of Communications)
- Science at sea- Project PIs, all of you!
- Post-cruise data management - Shannon Rauch (BCO-DMO)
- Cruise report, post-cruise assessment – Alice Doyle (UNOLS), Project PIs, all of you!
- Science synthesis – All of you!

# Things can and do go sideways

- Ships breakdown (engines, hydraulics, plumbing, ventilation, etc.)
- Equipment breaks or gets lost
- Some people just don't get it
- At-sea medical, rescue, or shipboard emergencies
- Family emergencies on land
- Weather
- Science gear stuck in customs (or in transit)
- Difficult captains and/or collaborators

As chief scientist you will have to communicate, negotiate, and navigate these types of issues.

We hope over the next ~13 days to provide you with tools and confidence to handle these scenarios (and more)