2019 HMSC Summer Intern Marine Research Symposium

Thursday, August 22nd, 2019
9:30 AM – 12:00 PM and 2:00 – 3:40 PM
Hennings Auditorium in the HMSC Visitor Center

9:30  Welcome to the summer MSI and REU intern presentations at HMSC

9:35  RED ROCK CRAB ARE NATIVE CRAB: ADDRESSING MISINFORMATION AMONG RECREATIONAL CRABBERS
Bailey Burk (MSI) - Education, Policy & Communication
Oregon State University - Microbiology
**Mentor:** Liz Perotti and Mitch Vance (Oregon Department of Fish and Wildlife Shellfish Program)

9:50  DEEP CORE
Griffin Thoms (MSI) – Engineering
Oregon State University – Mechanical Engineering
**Mentors:** John Chapman (OSU Fisheries & Wildlife), John Parmigiani (OSU Mechanical Engineering)

10:05  A SENSE OF PLACE
Amir Ahmad (MSI) – Science Filmmaking
Oregon State University - Bioresource Research option in Sustainable Ecosystem
**Mentor:** Saskia Madlener (Oregon State Productions)

10:20  AN ARTISTIC JOURNEY: MY MYSTICAL SUMMER AT HMSC
Shoshana McClarence (MSI) – Artist-in-Residence
Oregon State University - Interdisciplinary Studies
**Mentors:** Kerry Skarbakka (OSU School of Arts and Communications), Mary Markland (Guin Library), Itchung Cheung (OSU Integrative Biology)

10:35  EVALUATING THE ONLINE PRESENCE AND PRICING OF GUIDED TOUR OPERATORS ON THE OREGON COAST
Alec Youngblood (MSI) - Tourism
Oregon State University – Fisheries and Wildlife
**Mentor:** Miles Phillips (Oregon Sea Grant & OSU Extension)

10:50  MYSTERIES OF PACIFIC LAMPREY FEEDING HABITS IN MARINE WATERS
Annabella Aguirre (UROC-REU) – Marine Science
California State University Monterey Bay
**Mentors:** Louise Copeman (OSU College of Earth, Ocean and Atmospheric Sciences), Laurie Weitkamp (NOAA Northwest Fisheries Science Center)

11:05  DEVELOPMENT OF SEX MARKERS FOR ROCKFISHES, SEBASTES, INHABITING THE NORTHEAST PACIFIC OCEAN
Hannah Aycock (REU) – Marine Science
University of South Carolina
**Mentors:** Felix Vaux and Kathleen O’Malley (OSU Coastal Oregon Marine Experiment Station)
11:20 **Dungeness Crab Zoea Distributions in the Northern California Current**  
Andrew Chin (REU) - Aquatic and Fishery Sciences  
University of Washington  
**Mentor:** Su Sponaugle and Kelsey Swieca (OSU Integrative Biology)

11:35 **Whale Watching from Space: Using Remotely Sensed Data to Study the Ecology of Blue Whales in the South Taranaki Bight**  
Christina Garvey (REU) – Environmental Science and Policy  
University of Maryland College Park  
**Mentors:** Leigh Torres and Dawn Barlow (OSU Marine Mammal Institute)

11:50 **Marine Mammal Vocalizations in the Southern Ocean**  
Miriam Hauer-Jensen (REU) – Organismal Biology  
Scripps College  
**Mentors:** Bob Dziak (NOAA Pacific Marine Environmental Lab), Joe Haxel and Angie Srembo (Cooperative Institute for Marine Resource Studies)

12:05 Lunch Break (Interns and Mentors) – Dining Hall – Group Photo with Mentors

2:05 **Microplastic Distribution and Abundance in Mussels Along the California and Oregon Coasts**  
Inez Mangino (REU) – Biological Sciences  
University of California Santa Barbara  
**Mentor:** Susanne Brander (OSU Department of Environmental and Molecular Toxicology)

2:20 **Qualifying Mating Practices in Oregon Salmon Hatcheries**  
Alexander Antonio Marino (REU) – Marine Biology  
Florida International University  
**Mentors:** Heather Auld and Michael Banks (OSU Fisheries & Wildlife and Cooperative Institute for Marine Resource Studies)

2:35 **Impact of Prophylactic Bacteriophage Addition on Survival of Crassostrea Gigas Larvae**  
Sarah Schmidt (REU) - Biology  
Carthage College  
**Mentors:** Chris Langdon and David Madison (OSU Fisheries & Wildlife and OSU Coastal Oregon Marine Experiment Station)

2:50 **Juvenile Oysters Raised on Non-Living Microparticulate Diets**  
Katie Spencer (REU) - Fisheries and Wildlife  
Oregon State University  
**Mentors:** Chris Langdon and Matt Hawkyard (OSU Fisheries & Wildlife and OSU Coastal Oregon Marine Experiment Station)
3:05  TEMPERATURE EFFECTS ON YELLOWFIN SOLE (LIMANDA ASPERA) EGG AND LARVAL DEVELOPMENT, GROWTH AND SURVIVAL
    Stacey Vogel (REU) – Natural Resource Conservation
    University of Massachusetts-Amherst
    Mentor: Tom Hurst (NOAA Alaska Fisheries Science Center)

3:20  ESTIMATING HARVEST RATES TO ASSESS THE EFFICACY OF MARINE RESERVES IN THE SANTA BARBARA CHANNEL ISLANDS
    Mark Yamane (REU) – Marine Science, Computer Science
    Eckerd College
    Mentor: Will White (OSU Fisheries & Wildlife and OSU Coastal Oregon Marine Experiment Station)

3:35  Closing Remarks – Group Photo

Not present:
    Mia Arvizu (MSI) – Whale Research
    Oregon State University – Environmental Science
    Mentors: Leigh Torres and Dawn Barlow (OSU Marine Mammal Institute)

    Amanda Komasinski (REU) – Ecology Evolution and Environmental Biology
    Purdue University West Lafayette
    Mentors: Konstantin Divlov and Michael Banks (OSU Fisheries & Wildlife and Cooperative Institute for Marine Resource Studies)

    Barbara Saucedo (REU) – Marine Microbiology
    San Diego City College
    Mentor: John Chapman (OSU Fisheries & Wildlife)

    Becky Smoak (REU) - Wildlife Ecology and Conservation
    Washington State University
    Mentor: Maria Kavanaugh (OSU College of Earth, Ocean and Atmospheric Sciences)

For the live broadcast via Adobe Connect: http://oregonstate.adobeconnect.com/talks/