**WSN 2018 TALK TITLES ORGANIZED INTO SESSIONS**

This MS Word document was created with RMarkdown using a report generated in CVENT and information from the scheduling team

|  |  |
| --- | --- |
| Attribute | Meta-Data |
| Script | WSN2019\_talk\_table.Rmd |
| Author | Matt Whalen & Mairin Deith |
| Date | 21 October, 2019 |

Table continues below

|  |  |  |
| --- | --- | --- |
| Speed Talk | Community Ecology 1 | Special Session: Advancements in MPA Science |
| **Eugenio Carpizo-Ituarte,**  CLIMATE-PROOFING AQUACULTURE SPECIES: A COLLABORATIVE ‘PROOF OF CONCEPT’ PROJECT ON OYSTERS | **†Adamczyk, E. M.** TRANSPLANT EXPERIMENT REVEALS INSIGHT TO SPECIFICITY OF EELGRASS BLADE MICROBIOTA | **Shears, N. T.** LONG-TERM MARINE RESERVE PROTECTION UNEQUIVOCALLY DEMONSTRATES THE ECOSYSTEM-LEVEL CONSEQUENCES OF FISHING ON KELP FORESTS |
| **Cavanaugh, K. C.** VARIABILITY IN THE RECOVERY OF CALIFORNIA KELP FORESTS FOLLOWING A MARINE HEATWAVE | **†Rempel, H. S.** ECOLOGICAL DRIVERS AND LONG-TERM IMPACTS OF PARROTFISH PREDATION ON ENDANGERED ORBICELLA ANNULARIS CORALS | **†Hanns, B.**  MARINE RESERVE EFFECTIVENESS AND THE NEW ZEALAND ROCK LOBSTER JASUS EDWARDSII |
| **Henry, A. K.** RISK ASSESSMENT OF ECOLOGICAL IMPACTS BY RANGE-EXPANDING MARINE SPECIES IN NORTH AMERICA | **Rhoades, O. K.** MULTISCALE SPATIO-TEMPORAL VARIABILITY IN PREDATION AND HERBIVORY: A FISHY TALE | **White, J. W.** ESTIMATING FISHERY HARVEST RATES TO ASSESS THE EFFICACY OF MARINE PROTECTED AREAS IN THE SANTA BARBARA CHANNEL ISLANDS |
| **Delgadillo-Nuño, M. A.** SUDDEN DECREASE IN SEAWATER TEMPERATURE INCREASES EXPRESSION OF HSP70 IN CORALS OF THE MEXICAN PACIFIC | **†Girard, J. F.** ANIMAL AND ALGAL FORESTS AND THEIR INFLUENCE ON COMMUNITY COMPOSITION AND CORAL PHOTOPHYSIOLOGY IN UNDERSTORY COMMUNITIES | **†Ramírez-Ortiz, G.**  ARE THE MARINE PROTECTED AREAS OF THE GULF OF CALIFORNIA RESILIENT? |
| **Neumann, K. C.** WATER-CORERS: LOW-COST, OPEN SOURCE WATER SAMPLERS DESIGNED TO STUDY ECOSYSTEM DYNAMICS IN NOVEL WAYS AND WITH HIGH RESOLUTION | **Rogers, T. L.** ENVIRONMENTAL DRIVERS OF TOP-DOWN AND BOTTOM-UP INTERACTIONS | **†Quennessen, V. I.** ACCOUNTING FOR POPULATION DYNAMICS IMPROVES THE USE OF NO-TAKE MARINE RESERVES FOR FISHERY MANAGEMENT |
| **Harley, C. D.** DOCUMENTING LONG-TERM, WIDESPREAD DECLINES OF LARGE INTERTIDAL HERBIVORES IN NEW ZEALAND IN RELATION TO RELATIVE THERMAL TOLERANCE | **Whalen, M. A.** COMMUNITY-LEVEL RESPONSES OF INTERTIDAL SEAWEEDS TO A MARINE HEATWAVE IN CENTRAL BRITISH COLUMBIA | **†Gold, Z.**  COMPARISON OF ENVIRONMENTAL DNA TO UNDER WATER VISUAL CENSUS METHODS ACROSS THE SOUTHERN CALIFORNIA MARINE PROTECTED AREA NETWORK |
| **Lafferty, K. D.** DETECTING SOUTHERN CALIFORNIA’S WHITE SHARKS WITH ENVIRONMENTAL DNA | **†Longman, E. K.** USING HISTORICAL DATA TO TEST WHETHER SPECIES DIVERSITY HAS DECLINED IN MUSSEL BED COMMUNITIES IN NORTHERN CALIFORNIA | **†Deith, M. C.** SAVING SPACE FOR DINNER: CAN SPATIAL RESERVES PROMOTE SUSTAINABILITY EVEN WHEN DATA ARE SCARCE? |
| **Boyer, K. E.** LIVING SHORELINES: WHAT’S NEW AND WHAT’S NEXT IN SAN FRANCISCO BAY | **Wells, C. D.** DNA METABARCODING PROVIDES INSIGHTS INTO THE DIVERSE DIET OF THE GIANT PLUMOSE ANEMONE *METRIDIUM FARCIMEN* | NA |
| **Stubler, A. A.** THIS PAPER IS SIMPLY MANURE’: DOWNSTREAM EFFECTS OF UNPROFESSIONAL PEER REVIEW COMMENTS AMONG INTERSECTIONAL GROUPS IN STEM | NA | NA |
| **Lowe, A. T.** A MODERN SYM*PH*ESIS: SCALING OCEAN ACIDIFICATION FROM LOCAL TO GLOBAL SCALES | NA | NA |

Table continues below

|  |  |  |
| --- | --- | --- |
| Intertidal Ecology 1 | Population Biology and Ecology | Physiological Ecology 1 |
| **Brownlee, G. R.** TIDE POOL CONNECTIVITY INFLUENCES THE EFFECTS OF TEMPERATURE ON ROCKY INTERTIDAL ZONE GASTROPODS | **†Lubinsky, D.**  PACIFIC HARBOR SEAL (PHOCA VITULINA RICHARDII) MOVEMENTS IN WATERS AROUND TODOS SANTOS ISLAND, ENSENADA, BAJA CALIFORNIA | **Borras-Chavez, R.**  SPATIAL VARIATION OF ALGINATE PROPERTIES AND A NUTRITIONAL QUALITY COMPARISON OF SIX KELP SPECIES FROM THE ALEUTIAN ARCHIPELAGO |
| **†Bedgood, S. A.** SEA ANEMONE MUTUALISM LEADS TO FACILITATION: COMPLEX INTERACTIONS INCREASE BIODIVERSITY IN THE ROCKY INTERTIDAL ZONE | **Castorani, M. C.** DISTURBANCE, RESOURCES, AND CLIMATE INTERACTIVELY SYNCHRONIZE KELP FORESTS ACROSS SCALES | **†Bardou, R.**  VARIABILITY IN THE FUNDAMENTAL AND REALIZED NICHES OF MANGROVES IN BAJA CALIFORNIA |
| **Hennessey, S. M.** EFFECTS OF PREY PREDICTABILITY ON THE FORAGING EFFICIENCY OF PREDATORY WHELKS | **†Miller, S. L.** METAGENOMIC ANALYSIS OF MYXOZOAN PARASITES FROM AMAZONIAN FISHES | **†DellaTorre, M. B.** DECOUPLED PHYSIOLOGICAL RESPONSES TO INCREASED TEMPERATURE – IMPLICATIONS FOR ADAPTATION POTENTIAL TO OCEAN CHANGE |
| **José G. Kuk-Dzul,**  BENTHIC COLONIZATION OF AN ARTIFICIAL REEF LOCATED IN THE WEST COAST OF BAJA CALIFORNIA: A PLATE EXPERIMENTAL APPROACH. | **†Klingbeil, W. H.** MAINTENANCE OF GENETIC DIVERSITY DESPITE LARGE-SCALE DISTURBANCE SUPPORTS RESILIENCE OF GIANT KELP IN SOUTHERN CALIFORNIA | **†Csik, S. R.** THE EFFECTS OF TEMPERATURE ON THE PHYSIOLOGY AND FORAGING ECOLOGY OF THE CA SPINY LOBSTER (PANULIRUS INTERRUPTUS) |
| **†Fields, J. B.** A TALE OF TWO TIDE POOLS: EFFECT OF *MYTILUS* AND *PHYLLOSPADIX* REMOVAL ON ECOSYSTEM FUNCTION WITHIN OREGON ROCKY INTERTIDAL | **†Marquardt, A. R.** DISTRIBUTION, ABUNDANCE, AND HABITAT ASSOCIATIONS OF PISMO CLAMS, *TIVELA STULTORUM*, IN CALFORNIA | **†Dolinar, D.**  IMPACTS OF ANTHROPOGENIC DISTURBANCE ON RHODOLITH COMMUNITY PRIMARY PRODUCTION AND RESPIRATION |
| **†Arboleda-Baena, C. M.** THE COMPLEX INTERACTION BETWEEN MACROORGANISMS AND BIOFILM IN THE INTERTIDAL ROCKY SHORE: TROPHIC AND NON-TROPHIC PATHWAYS | **†Gossard, D. J.** EPIPHYTE-HOST DYNAMICS BETWEEN *PYROPIA NEREOCYSTIS* AND *NEREOCYSTIS LUETKEANA* SOUTH OF MONTEREY BAY | **†Goodman, A. Z.** UNTARGETED METABOLOMIC SERUM PROFILES OF THREE CAPTIVE SHARK SPECIES FOR THE GENERATION OF A SEMI- INVASIVE CHONDRICHTHYES HEALTH |
| **†McIntire, L. M.** CAN’T STAND THE HEAT? GET OUT OF THE TIDEPOOLS: EVALUATING TEMPERATURE REGULATION IN GUMBOOT CHITONS | **†Nicolás-Chávez, A.**  EFFECT OF ENVIRONMENTAL CONDITIONS ON THE RELATIVE ABUNDANCE OF MANTAS (*MOBULA BIROSTRIS*) IN REVILLAGIGEDO NATIONAL PARK. | **†Bates, E. H.** IMPACTS OF OCEAN ACIDIFICATION AND WARMING ON THE SURVIVAL AND SETTLEMENT OF LARVAL PINTO ABALONE (*HALIOTIS KAMTSCHATKANA*) |
| **†Bolwerk, A. T.** TROPHIC AND ENVIRONMENTAL FORCING IN ALASKAN ROCKY INTERTIDAL ZONES | **†Torres, V. A.** IS SOCIALITY CORRELATED WITH PARASITE BURDEN IN ACANTHURUS TRIOSTEGUS? | **†Alma, L.**  DOES IT MATTER WHERE MY PARENTS GREW UP? TRANSGENERATIONAL PLASTICITY OF OLYMPIA OYSTER LARVAE |
| NA | NA | NA |
| NA | NA | NA |

Table continues below

|  |  |  |  |
| --- | --- | --- | --- |
| Community Ecology 2 | Conservation and Restoration 1 | Intertidal Ecology 2 | Ecosystem Assessment 1 |
| **Scott, A. R.** DEEP THOUGHTS: DOES SPONGE COVER INCREASE WITH DEPTH ON CARIBBEAN MESOPHOTIC REEFS? | **Malpica-Cruz, L.**  CAN FISHING BE A TOOL TO CONTROL MARINE INVASIVE SPECIES? | **†Dickens, J. D.** BURN IN SHELL: USING 3-D MAPS TO PREDICT MUSSEL BED DYNAMICS WITH RISING TEMPERATURES | **†Snyder, J. S.** SEA SURFACE TEMPERATURE IMAGERY ELUCIDATES SPATIAL NUTRIENT PATTERNS AND SERVES AS A TOOL FOR KELP AQUACULTURE SITING |
| **†Tedford, K. N.** RESTORING VIRGINIA’S OYSTER REEFS: ENVIRONMENTAL CONTROLS ON OYSTER RECRUITMENT, GROWTH, AND SURVIVAL ACROSS SPATIAL SCALES | **Hixon, M. H.** CREME: CORAL RESILIENCE MODULE EXPERIMENT | **Jeppesen, R. K.** EUTROPHICATION DECREASES SALT MARSH RESILIENCE THROUGH PROLIFERATION OF ALGAL MATS | **Reid-Wainscoat, E. E.** AN ASSESSMENT OF ECOSYSTEM HEALTH AND BIODIVERSITY IN LOS ANGELES COUNTY |
| **†Yeager, M. E.** EFFECTS OF SPATIOTEMPORAL CHANGES IN CONSUMER FUNCTIONAL DIVERSITY ON ECOSYSTEM STABILITY AND FUNCTIONING | **Heineke, M. R.** DRAMATIC REPRODUCTION DEFEATS EFFORTS TO ERADICATE AN INVASIVE MARINE PREDATOR | **Broitman, B. R.** BACK TO THE FUTURE: COASTAL PALAEOECOLOGY AND PALAEOCEANOGRAPHY OF THE ATACAMA DESERT (CHILE, 25°S) DURING THE HOLOCENE | **†McCarthy, O. S.** IDENTIFYING THE DRIVERS OF STRUCTURAL COMPLEXITY ON HAWAIIAN CORAL REEFS USING STRUCTURE FROM MOTION |
| **†Speare, K. E.** CORAL BLEACHING DISPROPORTIONATELY AFFECTS THE SMALLEST AND LARGEST INDIVIDUALS | **†Norrie, C. R.** MUSSELS, MODELS, AND MICROCHEMISTRY - LARVAL SUBSIDIES FROM AQUACULTURE MAY ASSIST WITH RESTORATION | **†Konecny, C. A.** TO FRY OR TO SAUTÉ: INNOVATION IN TIDE POOL THERMAL MANIPULATION | **†Paz-Lacavex, A.**  HISTORICAL DYNAMICS OF KELP FOREST BLUE CABRON CAPTURE IN ENSENADA, MEXICO |
| **Beatty, D. B.** EFFECTS OF LOCAL MANAGEMENT AND MACROALGAE ON ANTI-PATHOGEN DEFENSES OF CORALS | **†Davis, K. E.** THE ECOLOGY OF EELGRASS IN JAMES BAY, QC | **†Sellers, A. J.** SEASONAL UPWELLING INCREASES ALGAL COVER AND WEAKENS HERBIVORY ON PANAMANIAN ROCKY SHORES | **†Da Silva, N. J.** IMPACT OF TWO SEAGRASS SPECIES (ZOSTERA MARINA AND RUPPIA MARITIMA) ON ESTUARINE MACROINVERTEBRATE COMMUNITY COMPOSITION |
| **†Ryznar, E. R.** EVALUATING MECHANISMS FACILITATING THE INVASION SUCCESS OF SARGASSUM HORNERI AND THE RESILIENCE OF MACROCYSTIS PYRIFERA | **Eckert, G. L.** APEX PREDATORS, SEAGRASS COMMUNITY STRUCTURE, AND BLUE CARBON: ARE SEA OTTERS KEYSTONE SPECIES IN ALASKAN SEAGRASS MEADOWS? | **Gravem, S. A.** BACK TO THE FUTURE: USING A LONG-TERM DATASET TO EXPLORE WHETHER ROCKY INTERTIDAL COMMUNITY STRUCTURE IS SENSITIVE TO CLIMATIC VAR | **Steller, D. L.** ECOSYSTEM UNDER DISTURBANCE: DIVERSITY OF SANTA CATALINA ISLAND RHODOLITH BEDS AND THE ROLE OF DEGRADED NURSERY HABITAT |
| **†Lima, L. F.** MATHEMATICAL MODELING OF THE CORAL MICROBIOME: THE INFLUENCE OF TEMPERATURE AND MICROBIAL NETWORK | **Cote, I. M.** WHAT GOES IN MUST COME OUT: INVASIVE PREDATORS CAN MAINTAIN REEF NUTRIENT DYNAMICS BY REPLACING NATIVE FISH EXCRETION | **†DeSantiago, R.**  NATIVE DIVERSITY AND BIOSECURITY: BLACK ABALONE DECLINES SHIFTED HERBIVORE COMMUNITIES TO THOSE THAT AVOID INVASIVE SARGASSUM | **Joy Kumagai,**  BRIDGING MANGROVE RESEARCH AND GOVERNMENT ACTION TO SUPPORT CARBON ABATEMENT |
| **†Glanz, J. S.** CRUSTOSE CORALLINE ALGAL MORTALITY AND MORPHOLOGY INFLUENCE ASSOCIATED EPIFAUNAL DIVERSITY IN MOOREA, FRENCH POLYNESIA | **Lee, L. C.** COLLABORATIVE COASTAL MARINE HABITAT RESTORATION WITHIN AN INDIGENOUS CO-MANAGEMENT CONTEXT IN GWAII HAANAS, HAIDA GWAII, CANADA | **†Haas, A. C.** MODELING EFFECTS OF OCEAN ACIDIFICATION ON PREDATOR-PREY DYNAMICS IN THE ROCKY INTERTIDAL ZONE | **Pentcheff, N. D.** THE LOS ANGELES URBAN OCEAN EXPEDITION 2019 |
| NA | NA | NA | NA |
| NA | NA | NA | NA |

Table continues below

|  |  |  |  |
| --- | --- | --- | --- |
| Physiological Ecology 2 | Special Session: Marine Metapopulations | Applied Ecology | Behavioural Ecology |
| **†Uyeoka, A. K.** THE EFFECT OF UPWELLING STRESSORS ON OXIDATIVE STRESS PROTEIN ABUNDANCE IN *MYTILUS CALIFORNIANUS* | **Eernisse, D. J.** ISLAND LIFE: WHAT TWO MOLLUSCAN ENDEMICS ON CALIFORNIA’S CHANNEL ISLANDS REVEAL ABOUT REPRODUCTIVE CONTRASTS IN MARINE ANIMALS | **Szuta, D.**  LOGS FROM THE SEA OF CORTEZ: ESTIMATING DIET PREFERENCE OF HAWKSBILL SEA TURTLES FROM FORTUITOUS FECAL FINDS | **†Knight, C. J.** CONSPECIFIC CUES, NOT STARVATION, MEDIATE HABITAT-SPECIFIC RESPONSES OF URCHINS TO PREDATION RISK |
| **Miller, L. P.** REPEATABLE PATTERNS OF SMALL-SCALE SPATIAL VARIATION IN INTERTIDAL MUSSEL BEDS AND IMPLICATIONS FOR RESPONSES TO CLIMATE CHANGE | **Schiel, D. R.** LOSS OF ECOLOGICAL INFRASTRUCTURE AND RESILIENCE OF ALGAL COMMUNITIES FOLLOWING THE MW7.8 KAIKOURA EARTHQUAKE OF 2016 | **Angwin, R. E.** ECOLOGICALLY RESTORATIVE AQUACULTURE OF PURPLE SEA URCHINS (STRONGYLOCENTROTUS PURPURATUS) | **†Flood, A. S.** GUT INSTINCTS: FEEDING BEHAVIOUR OF THE SOUTHERN ROCK LOBSTER, JASUS EDWARDSII |
| **†Becker, D. M.** INVESTIGATING THE EFFECTS OF LAND-BASED POLLUTION ON CORAL THERMAL TOLERANCE IN A BRANCHING CORAL SPECIES | **†Catalano, K. A.** QUANTIFYING THE STOCHASTIC NATURE OF LARVAL CONNECTIVITY AMONG NEARSHORE MARINE POPULATIONS | **†Salinas, H.**  DYNAMIC SIMULATION OF A ZOSTERA MARINA MEADOW | **†Smith, N. S.** BIOTIC RESISTANCE THROUGH FEAR OF PREDATORS ON CARIBBEAN CORAL REEFS |
| **Low, N. H.** VARIABLE EXPOSURE TO COASTAL HYPOXIA ACROSS THE SOUTHERN CALIFORNIA CURRENT SYSTEM | **Dinsdale, E.**  GLOBAL WHALE SHARK (*RHINCODON TYPUS*) MICROBIOME | **Bignami, S.**  KELP (*MACROCYSTIS PYRIFERA*) PRESERVATION TECHNIQUE IMPACTS THE GROWTH OF JUVENILE RED ABALONE (*HALIOTIS RUFESCENS*) | **†McHaskell, D. A.** BLACK HARE MAGIC: FEEDING RATES OF A LARGE SEA HARE, APLYSIA VACCARIA, ON BROWN ALGAE AND EXPLORATION OF POTENTIAL DRIVERS |
| **†Horn, K. M.** EFFECT OF TIDAL POSITION ON METABOLIC PHENOTYPE IN COMMON ACORN BARNACLE, BALANUS GLANDULA | **†Stark, K. A.** BEYOND A SINGLE PATCH: LOCAL AND REGIONAL PROCESSES EXPLAIN DIVERSITY PATTERNS IN AN EPIFAUNAL SEAGRASS METACOMMUNITY | **White, C.**  TRADEOFF ANALYSIS INFORMS SPATIAL PLANNING OF OFFSHORE WIND ENERGY FARMS IN RELATION TO FISHERIES AND SEABIRDS | **†Jarman, C. N.** GUTS OR GONADS? MESO-PREDATOR CHOICE BETWEEN STARVED AND GRAVID SEA URCHINS IN BARREN AND KELP FOREST HABITATS |
| **†Isaak, A. L.** INVESTIGATING THE EFFECTS OF OCEAN ACIDIFICATION ON PHOTOSYNTHETIC PROCESSES ON A CRUSTOSE CORALLINE ALGA AT DIFFERENT DEPTHS | **Dedrick, A. G.** METAPOPULATION PERSISTENCE IN A MARINE SYSTEM: THE CLOWNFISH CASE | **Osberg, A. W.** SPONGE FORAGING PREFERENCE BY THE HAWAIIAN TIGER COWRIE AND IMPLICATIONS FOR MANAGEMENT OF INVASIVE SPONGES IN KANE<U+02BB>OHE BAY, O<U+02BB>AHU | **†Felix A. C.,**  EFFECTS OF INVASIVE MACROALGAE ON RED SEA URCHINS MESOCENTROTUS FRANCISCANUS |
| **†Wang, J.**  PHYSIOLOGICAL PROCESSES UNDERLYING FOOD CONVERSION EFFICIENCY DURING GROWTH OF SEA URCHIN LARVAE | NA | NA | NA |
| NA | NA | NA | NA |
| NA | NA | NA | NA |
| NA | NA | NA | NA |

Table continues below

|  |  |  |  |
| --- | --- | --- | --- |
| Community Ecology 3 | Special Session: Biological-Physical Coupling in the Coastal Zone 1 | Special Session: For the Love of Fish 1 | Special Session: Kelp Ecosystem Health and Sea Star Wasting 1 |
| **†Smith, J. G.** A NEW HOPE? RECOVERY OF CENTRAL CALIFORNIA KELP FORESTS FOLLOWING DESTRUCTIVE SEA URCHIN GRAZING | **†Obrist, D. S.** MARINE SUBSIDIES DRIVE PATTERNS IN AVIAN ISLAND BIOGEOGRAPHY | **Bernardi, G.**  CLIPPERTON ATOLL AS A MODEL TO STUDY SMALL MARINE POPULATIONS: ENDEMISM AND THE GENOMIC CONSEQUENCES OF SMALL POPULATION SIZE | **Gehman, A. L.** VARIATION IN SPECIES ABUNDANCE FOLLOWING SEA STAR WASTING DISEASE OUTBREAK IN CENTRAL BRITISH COLUMBIA, CANADA. |
| **†Stockton, L. N.** SPATIALLY AGGRESSIVE PEYSSONNELID ALGAL CRUSTS (PAC) CONSTRAIN CORALS TO DIADEMA GRAZING HALOS ON CARIBBEAN REEFS | **†Bauer, K. K.** IS THIS THE PLACE? CHEMICAL AND PHYSICAL SETTLEMENT CUES UTILIZED BY BARNACLE AND MUSSEL LARVAE | **Caselle, J. E.** MOBILE MARINE PREDATORS: AN UNDERSTUDIED SOURCE OF NUTRIENTS TO CORAL REEFS IN AN UNFISHED ATOLL | **†Nur Arafeh-Dalmau,**  EXTREME MARINE HEATWAVES ALTER KELP FOREST COMMUNITY NEAR ITS EQUATORWARD DISTRIBUTION LIMIT |
| **†NA,**  KELP FOREST DEFORESTATION LEADS TO COMMUNITY-WIDE DIETARY NICHE CONTRACTION | **†Maldonado, A. A.** VERTICAL DISTRIBUTION AND ABUNDANCE OF MEROPLANKTON INSIDE AND OUTSIDE OF A KELP FOREST DURING THE INTERNAL TIDE | **†Blincow, K. M.** ADDRESSING KNOWLEDGE GAPS IN THE ECOLOGY OF GIANT SEA BASS (STEREOLEPIS GIGAS) USING TAGGING AND STABLE ISOTOPE ANALYSES. | **†Murie, K. A.** KELP HELP: FRAGMENTED NEREOCYSTIS LUETKEANA FORESTS ALTER SEAWATER CHEMISTRY, MITIGATING OCEAN ACIDIFICATION |
| **Long, J. D.** SEABIRD SUBSIDIES TO A “LARGE” ISLAND SHIFT THE ISOTOPIC SIGNATURE OF PLANTS, ARTHROPODS, AND RATTLESNAKES IN BAJA CALIFORNIA | **†Fernández-Aldecoa, G.**  DISTRIBUTION AND DELIVERY OF MEROPLANKTONIC LARVAE IN THE BAY OF TODOS SANTOS: THE ROLE OF INTERNAL TIDAL WAVES AND ONSHORE WINDS | **†Dillon, E. M.** DERMAL DENTICLE ASSEMBLAGES REVEAL SHIFTS IN SHARK COMMUNITIES ON CORAL REEFS OVER THE LAST 7000 YEARS IN PANAMA | **Abbott, D.**  VARIATION IN THE RESPONSE OF KELP FOREST ECOSYSTEMS TO ENVIRONMENTAL STRESSORS ALONG THE COAST OF CALIFORNIA |
| **†Williams, M. K.** EFFECTS OF INTERSPECIFIC COMPETITION BETWEEN INCREASINGLY DOMINANT PEYSSONNELID ALGAL CRUST (PAC) AND SCLERACTINIANS | **†Ninokawa, A.**  VARIABILITY IN HOW HETEROTROPHIC ECOSYSTEM ENGINEERS MODIFY SEAWATER CHEMISTRY | **Ben-Aderet, N. J.** UNDERSTANDING YELLOWTAIL (*SERIOLA DORSALIS*) MOVEMENT IN THE SOUTHERN CALIFORNIA BIGHT THROUGH ACOUSTIC AND CONVENTIONAL TAGGING | **†Eisaguirre, J. H.** TROPHIC REDUNDANCY AND PREDATOR SIZE CLASS STRUCTURE DRIVE DIFFERENCES IN KELP FOREST ECOSYSTEM DYNAMICS |
| **White, W.**  SARGASSUM HORNERI INVASIONS SHIFT GRAZING ONTO NATIVE BENTHIC SEAWEEDS IN INTERTIDAL COMMUNITIES RECEIVING KELP SUBSIDIES | **†Munson, C. J.** THE COUPLED EFFECTS OF UPWELLING AND PREDATION ON BENTHIC COMMUNITY STRUCTURE IN THE GALAPAGOS SUBTIDAL | **Karen Crow,**  HOW THE DEVIL RAY GOT ITS HORNS: THE GENETIC BASIS OF BODY PLAN REMODELING IN MANTA RAYS AND THEIR RELATIVES | **Hohman, R. M.** COLLABORATIVE STRATEGIES FOR BULL KELP RESTORATION IN NORTHERN CALIFORNIA |
| NA | NA | **Anderson, J. M.** QUANTIFYING RESIDENCY AND SPACE USE PATTERNS AT HOTSPOT LOCATIONS IN SOUTHERN CALIFORNIA JUVENILE WHITE SHARK NURSERY AREAS. | **†Hamilton, S. L.** NOVEL USE OF SATELLITE IMAGERY REVEALS SURPRISING POPULATION TRENDS AND ENVIRONMENTAL DRIVERS IN NEREOCYSTIS LUETKEANA (BULL KELP) |
| NA | NA | **Galloway, A. W.** FATTY ACIDS REVEAL LARGE-SCALE GEOGRAPHIC VARIATION IN THE TROPHIC NICHE OF LINGCOD | **McHugh, T. A.** INDIRECT INTERACTIONS IN NORTHERN CALIFORNIA REEFS EXPERIENCING PHASE SHIFT FROM KELP FOREST TO URCHIN BARREN |
| NA | NA | NA | NA |
| NA | NA | NA | NA |

Table continues below

|  |  |  |  |
| --- | --- | --- | --- |
| Community Ecology 4 | Special Session: Biological-Physical Coupling in the Coastal Zone 2 | Conservation and Restoration 2 | Special Session: For the Love of Fish 2 |
| **†Khen, A.**  LONG-TERM STABILITY OF PALMYRA’S CORAL REEFS OVER 10 YEARS DESPITE TWO BLEACHING EVENTS | **†Ryder, A.**  EELGRASS BEDS OF SAN DIEGO BAY: CARBON SINK OR SOURCE? | **†Allard, H.**  LONG TERM CHANGES TO REEF FISH ASSEMBLAGES IN NEW ZEALAND’S OLDEST MARINE RESERVE, AND THE GENERALITY OF RESERVE EFFECTS | **Larson, S. E.** CHANGES IN FISH ASSEMBLAGES IN BOTTOMFISH SURVEYS IN THE STRAIT OF JUAN DE FUCA AND PUGET SOUND 2005-2019 |
| **†Grathwohl, R. G.** DO PURPLE SEA URCHINS ALTER THEIR MORPHOLOGY IN RESPONSE TO VARIATION IN PREDATOR ABUNDANCE AND RESOURCE AVAILABILITY? | **Pineda, J.**  IDENTIFYING PROCESSES AND SCALES IN NEARSHORE LARVAL TRANSPORT FROM SETTLEMENT AND HIGH RESOLUTION PHYSICAL MEASUREMENTS | **†Bauer, J.**  ABALONE MARICULTURE IN BAJA CALIFORNIA: A CONSERVATION AQUACULTURE PROJECT | **Saunders, M. B.** NETWORK ANALYSIS OF LONG-DISTANCE MOVEMENTS IN THE GIANT MANTA RAY, MOBULA BIROSTRIS |
| **†Morton, D.**  SOMETHING ABOUT PARASITES IN KELP FOREST FOOD WEBS | **Reyns, N.**  LARVAL ACCUMULATION AND TRANSPORT IN THE NEARSHORE | **Sullaway, G. H.** LANDSCAPE CONTEXT AND FISH LIFE HISTORY MEDIATE SHORELINE RESTORATION BENEFITS | **†Velasco, M. F.** FISH ASSEMBLAGES IN SUBTROPICAL MESOPHOTIC ECOSYSTEMS ACROSS TWO DIFFERENT ECOREGIONS |
| **Mark H. Carr,**  GOT CRABS? RED ROCK CRABS MIGHT JUST CONTRIBUTE TO THE RECOVERY OF CALIFORNIA KELP FORESTS | **Traiger, S. B.** BIOLOGICAL CONTRIBUTIONS TO BIOGEOCHEMICAL VARIABILITY OF KELP FOREST HABITATS | **Samhouri, J. F.** THE ONLY CONSTANT IS CHANGE: HABS, CRABS, WHALES, AND FISHERIES IN THE CALIFORNIA CURRENT ECOSYSTEM | **†Fennie, H. W.** PREY TELL: QUILLBACK ROCKFISH EARLY LIFE HISTORY TRAITS AFFECT SURVIVAL IN PREDATION ENCOUNTERS WITH JUVENILE COHO SALMON |
| **†Vilalta, A.**  A MASS-BALANCED FOOD WEB MODEL FOR A KELP FOREST ECOSYSTEM NEAR ITS SOUTHERN DISTRIBUTIONAL LIMIT IN THE NORTHERN HEMISPHERE | **†Harris, L.**  THE EFFECT OF MICROPLASTIC ON MUSSEL BIODEPOSIT SINKING AND RESUSPENSION | **Hollarsmith, J. A.** RESOURCE MANAGEMENT IN A MULTI-STRESSOR WORLD: WHY, HOW, AND KELP! | **Kacev, D.**  ORGANOCHLORINE CONTAMINANTS AS AN ECOLOGICAL TOOL TO EXPLORE NICHE PARTITIONING IN THREE SPECIES OF PELAGIC SHARK |
| **†Scafidi, K. S.** THE EFFECTS OF AN INVASIVE ALGA ON THE TROPHIC DYNAMICS OF TEMPERATE ROCKY REEFS | **†González Mena, A.**  OCEANOGRAPHIC CONDITIONS EFFECTS ON THE FISH COMMUNITY IN LOS PEÑASQUITOS LAGOON IN THE LAST 30 YEARS | **†Turba, R.**  USE OF MUSEUM MATERIAL TO RECONSTRUCT THE EXTIRPATED FAUNA OF THE LOS ANGELES RIVER | **Sosa-Nishizaki, O.**  PLANNING FOR THE CONSERVATION OF THE WHITE SHARK (CHARCHARODON CARCHARIAS) IN MEXICAN WATERS: HOW ARE WE DOING? |
| **†McConnell, K. M.** REEF MICROBIOME VARIABILITY IN THE MO’OREA ISLAND SOCIO-ECOLOGICAL SYSTEM | **†Panos, D. A.** COMMUNITY CONTRIBUTIONS TO BENTHIC BIOGEOCHEMISTRY IN TEMPERATE ROCKY REEFS | **†Santos, K. A.** FACTORS AFFECTING ENDANGERED SUAEDA CALIFORNICA ESTABLISHMENT AND USE AS HIGH TIDE REFUGE IN SAN FRANCISCO BAY | **†García-Rodríguez, E.**  ECOLOGY AND FISHING INTERACTIONS OF JUVENILE WHITE SHARKS IN A NURSERY AREA FROM THE MEXICAN PACIFIC COAST |
| **†Beckley, B. A.** UNDERSTANDING THE MECHANISMS LEADING TO RECRUITMENT INHIBITION OF MACROCYSTIS PYRIFERA BY OPPORTUNISTIC UNDERSTORY ALGAE | **Vilas, C.**  ECOSYSTEM FUNCTIONING OF A TEMPERATE ESTUARY AND IMPLICATIONS ON PELAGIC FISHERIES MANAGEMENT: GUADALQUIVIR LTER 1997-2019 | **Cramer, K. L.** INTEGRATING PALEOECOLOGICAL, HISTORICAL, AND ECOLOGICAL DATA TO UNDERSTAND THE MECHANISMS OF CARIBBEAN ACROPORID CORAL LOSS | NA |
| NA | NA | NA | NA |
| NA | NA | NA | NA |

Table continues below

|  |  |  |
| --- | --- | --- |
| Special Session: Kelp Ecosystem Health and Sea Star Wasting 2 | Community Ecology 5 | Special Session: Eco-evolutionary Dynamics in the Sea |
| **†Weigel, B. L.** FROM MICRO TO MACRO: BACTERIAL COMMUNITIES AND NUTRIENT CYCLING ASSOCIATED WITH BULL KELP BLADES | **†Sura, S. A.** A FUNCTIONAL GROUP MODEL DEMONSTRATES KEY HERBIVORE GUILDS SHAPE THE RESILIENCE OF CORAL REEF ECOSYSTEMS | **†Contolini, G. M.** POPULATION-SPECIFIC DIFFERENCES IN THE EFFECTS OF ACIDIFICATION ON PREDATOR FORAGING TRAITS |
| **†Wetmore, L. S.** A BEHAVIORALLY MEDIATED TROPHIC CASCADE PREDICTED BY SEA STAR WASTING DISEASE IN CALIFORNIA KELP FORESTS | **Bittick, S. J.** EFFECTS OF NUTRIENT ENRICHMENT ON SEAGRASS COMMUNITY STRUCTURE | **Jacobs, D. K.** EXTINCTION OF CALIFORNIA’S FLIGHTLESS DUCK IMPACTS OTTERS & ABALONE; COLORADO DELTA DESICCATION RISKS INTROGRESSIVE SPECIES LOSS. |
| **Robinson, J. W.** ARE WE THERE YET? A COAST WIDE LOOK AT THE RECOVERY OF KEYSTONE FUNCTION TO SSWD, FIVE YEARS IN. | **Stier, A. C.** EXPANDING THE CORAL METAORGANISM TO INCLUDE CORAL ASSOCIATED FISHES AND INVERTEBRATES | **Aguirre, J. D.** STRONG PHYLOGENETIC SIGNAL FOR MASS CORAL BLEACHING WITHIN REGIONS, BUT NO EVIDENCE FOR PHYLOGENETIC CONSTRAINTS BETWEEN REGIONS |
| **Selgrath, J. C.** SHIFTS IN DOMINANT KELP FOREST SPECIES, MONTEREY BAY, CALIFORNIA | **†Angel, P. A.** EXTREME ARID CONDITION NARROW FUNCTIONAL TRAIT IN THE MANGROVE FISH COMMUNITY IN THE GULF OF CALIFORNIA | **Jones, H. J.** SYNERGISTIC EFFECTS OF TEMPERATURE AND SALINITY ON THE GENE EXPRESSION AND PHYSIOLOGY OF CRASSOSTREA VIRGINICA |
| **Teague, C. H.** ABALONE AND URCHIN POPULATION CHANGES ON SHALLOW ROCKY REEFS ALONG CALIFORNIA’S NORTH COAST | **LADD, M. C.** CONTRASTING EFFECTS OF DEPTH AND PREDATION ON THE DISTRIBUTION, SIZE, AND GROWTH OF ACROPORA RETUSA AND ACROPORA HYACINTHUS | **†Venkataraman, Y. R.** INFLUENCE OF OCEAN ACIDIFICATION ON PACIFIC OYSTER DNA METHYLATION |
| **†Spiecker, B. J.** EXPLORING SPATIOTEMPORAL VARIATION IN THE STRENGTH OF EL NIÑO ON OREGON INTERTIDAL KELPS | **†Chubak, B. R.** EVALUATING THE IMPORTANCE OF REEF-BASED RESOURCES FOR REPRODUCTION IN A TEMPERATE REEF FISH | **Swezey, D. S.** LOCAL ADAPTATION? OCEAN ACIDIFICATION DIFFERENTIALLY AFFECTS SURVIVAL OF TWO POPULATIONS OF RED ABALONE |
| **†Sánchez-Barredo, M.**  EXTREME LIGHT REDUCTION IN THE UNDERSTORY OF GIANT KELP FORESTS CAN ACT AS A BARRIER FOR THE INVASIVE SEAWEED UNDARIA PINNATIFID | **Clements, C. S.** SNAIL CORALLIVORY CAN DISRUPT CORAL MICROBIOMES BUT THE EFFECTS ARE SPATIALLY CONSTRAINED | **†Griffiths, J. S.** TRANSGENERATIONAL PLASTICITY AND PARENTAL GENOTYPE ALTERS THE CAPACITY TO ADAPT TO LOW SALINITY IN THE EASTERN OYSTER |
| **Rogers-Bennett, L.**  MAKING HOLISTIC KELP FOREST ECOSYSTEM AND ABALONE RESTORATION PLANS CLIMATE SMART | **†Moreno-Alcántara, M.**  INTRA-ANNUAL VARIATION OF THE ATLANTIDAE COMMUNITY IN THE SOUTHERN CALIFORNIA CURRENT (WINTER-SPRING, 2016) | **†Beaty, F. L.** A SEARCH FOR LOCAL ADAPTATION IN A MARINE SNAIL REVEALS HIGH PLASTICITY, MALADAPTATION, AND LOW SURVIVAL IN SOUTHERN REGIONS |
| NA | NA | NA |
| NA | NA | NA |

Table continues below

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fisheries Ecology 1 | Evolutionary Biology | | Fisheries Ecology 2 | |
| **†Martel, G. R.** MULTIVARIATE HABITAT-BASED PREDICTIVE MODELING OF THREE DEMERSAL ROCKFISH SPECIES ALONG THE CENTRAL CALIFORNIA COAST | **†Garcia, E.**  GENOMIC ANALYSIS REVEALS DRIFT AND CONVERGENT SELECTION IN DISJUNCT MARINE FISH POPULATIONS OF THE PACIFIC AND SEA OF CORTEZ | | **Nelson, P.**  COLLABORATIVE FISHERIES MONITORING IN THE YAP OUTER ISLANDS | |
| **†Méndez-DaSilveira, E. D.** ISOTOPIC SEGREGATION IN THE TROPHIC HABITAT FROM SHARKS SPECIES IN THE WESTERN COAST OF BAJA CALIFORNIA SUR, MEXICO | **†Huber, S.**  CORALLINA OFFICINALIS VAR. CHILENSIS\* (CORALLINALES RHODOPHYTA) NOT A “VARIETY” AND DISCOVERED IN BOTH HEMISPHERES | | **†Mansfield, E. J.** A REPORT ON THE CALIFORNIA SPINY LOBSTER FISHERY OF EL ROSARIO, BAJA CALIFORNIA: SUBLEGAL BYCATCH RATE, EFFORT, AND CATCH VARIANCE | |
| **Burnham, T. L.** CLARIFYING REGIONAL POPULATION STRUCTURE OF THE CALIFORNIA SPINY LOBSTER (PANULIRUS INTERRUPTUS) | **†Bachtel, T. S.** EFFECTS OF HYDROSTATIC PRESSURE ON THE METABOLIC ENZYMES OF CTENOPHORE SPECIES FROM DIFFERENT DEPTH HABITATS | | **†Peake, J. A.** COMMUNITY STRUCTURE AND DYNAMICS OF FORAGE FISHES IN THE EASTERN GULF OF MEXICO (1998-2017) | |
| **†Jarvis Mason, E. T.** 25 YEARS OF TAG AND RECAPTURE DATA: INSIGHTS INTO THE POPULATION STATUS AND RECOVERY OF AN ICONIC, CENTURY-OLD SPORT FISHERY | **†Wright, D.**  CORRECTING THE COUNT: SPECIES RICHNESS REVISITED IN SOUTH AFRICA’S ROCKY INTERTIDAL | | **†Domke, L. K.** UNDERSTANDING THE INDIRECT EFFECTS OF SEA OTTER HABITAT FACILITATION ON JUVENILE SALMON ABUNDANCE IN SOUTHEAST ALASKA | |
| **Juanes, F.**  ESTIMATION OF FISH AND INVERTEBRATE BIODIVERSITY USING VIDEO AND ACOUSTICS | **Crandall, E. D.** THE MOLECULAR BIOGEOGRAPHY OF THE INDO-PACIFIC: TESTING HYPOTHESES WITH MULTISPECIES GENETIC PATTERNS | | **†Early-Capistrán, M. M.** QUANTIFYING LOCAL ECOLOGICAL KNOWLEDGE TO RECONSTRUCT GREEN TURTLE ABUNDANCE IN THE GULF OF CALIFORNIA | |
| **†Edwards, J. C.** ECOLOGY AND SUSTAINABILITY OF A CO-MANAGED COMMERCIAL GOOSENECK BARNACLE FISHERY | NA | | **†Cavole, L. M.** FISHES AS “MOBILE MONITORS” OF HYPOXIC CONDITIONS ACROSS OCEAN BASINS | |
| **Okamoto, D. K.** REDEFINING FISHERIES SUSTAINABILITY: ACCOUNTING FOR COMPLEX FEEDBACKS AMONG ECOLOGICAL, GOVERNANCE, AND SOCIOECONOMIC DYNAMICS | NA | | **†Boles, S. E.** INTERACTIVE EFFECRS OF OCEAN ACIDIFICATION AND WARMING ON DEVELOPING RED ABALONE (*HALIOTIS RUFESCENS*) | |
| **Lewis, L. S.** ISOTOPIC EXAMINATION OF LIFE HISTORY DIVERSITY IN ENDANGERED ESTUARINE FISHES | NA | | **†Ferrer, E. M.** THE CARBON FOOTPRINTS OF MEXICAN SMALL-SCALE FISHERIES REVEAL NEW INSIGHTS INTO MARINE RESOURCE TRADE-OFFS ON A CHANGING PLANET | |
| NA | NA | | NA | |
| NA | NA | | NA | |
| Special Session: Transboundary Science | | Ecosystem Assessment 2 | | Reproduction, Dispersal, and Recruitment |
| **McDonald, M. K.** YOUTH ENGAGEMENT - PARTICIPATORY BASED EDUCATION AS A TOOL FOR COMMUNITY BASED CONSERVATION IN BAHÍA DE LOS ÁNGELES | | **Uyeda, K. A.** MONITORING LONG-TERM CHANGES IN LOW MARSH VEGETATION ASSOCIATED WITH SEDIMENT ACCRETION AT THE TIJUANA ESTUARY | | **†Park, S. K.** ASSESSING LIFE HISTORY PARAMETERS OF THE PISMO CLAM *TIVELA STULTORUM* ON PISMO BEACH, CALIFORNIA |
| **†Ricardez-García, V. A.** A TRANSDISCIPLINARY STRATEGY FOR THE SUSTAINABLE DEVELOPMENT OF FISHING COMMUNITIES OF THE UPPER GULF OF CALIFORNIA | | **Ruttenberg, B. I.** USING MACHINE LEARNING TO IDENTIFY DEEP WATER BENTHIC ORGANISMS: A WEB-BASED TOOL TO FACILITATE ENVIRONMENTAL ANALYSIS | | **Adreani, M. S.** REPRODUCTIVE OUTPUT AND RECENT SHIFTS IN SIZE AT MATURITY AND SEX CHANGE IN CALIFORNIA SHEEPHEAD |
| **Lowe, C. G.** THE IMPORTANCE OF TRANSBOUNDARY COLLABORATIVE RESEARCH ON HIGHLY MIGRATORY WHITE SHARKS | | **Olsen, A. Y.** SYNOPSIS: A PNW MICROPLASTICS MONITORING WORKSHOP HELD AT THE SEATTLE AQUARIUM | | **†Belak, C.**  SPATIOTEMPORAL VARIABILITY OF ROCKFISH RECRUITMENT AND SURVIVAL ON CALIFORNIA’S NORTH COAST IN RELATION TO HABITAT AVAILABILITY |
| **Micheli, F.**  SOCIAL-ECOLOGICAL VULNERABILITY AND ADAPTATION TO A CHANGING OCEAN | | **Wetzer, R.**  WHY STOP AT THE BORDER: SPHAEROMATID ISOPODS, A CASE STUDY | | **†Quinlan, Z. A.** THE INFLUENCE OF CRUSTOSE CORALLINE ALGAE BIOFILMS AND EXOMETABOLITES ON CORAL LARVAL SETTLEMENT |
| **Bell, T. W.** KELPWATCH: A PUBLICLY AVAILABLE TOOL FOR VISUALIZATION AND ANALYSIS | | **†Durante, G.**  MODELING OCEANIC CO~2 USING HYDROGRAPHIC VARIABLES. AN APPROACH TO FILL THE SAMPLING VOIDS IN THE GULF OF MEXICO AND CARIBBEAN SEA | | **†Estrada, A. C.** QUANTIFYING POST-SETTLEMENT RECRUITMENT OF RECOVERING ABALONE (HALIOTIS SSP.) AT SANTA CATALINA ISLAND, CALIFORNIA |
| **†Ramirez-Valdez, A.**  MARINE CONSERVATION ACROSS POLITICAL BORDERS | | **Lonhart, S. I.** MARINE HEATWAVES IN CENTRAL AND SOUTHERN CALIFORNIA FROM 2013 TO 2018 | | **Denney, C. T.** LIFE ON THE EDGE: THE PHENOLOGICAL RESPONSE OF A CRITICALLY-ENDANGERED FISH TO A RAPIDLY CHANGING CLIMATE |
| NA | | **McMillan, S. M.** ADAPTING LONG-TERM ECOLOGICAL AND ENVIRONMENTAL STUDIES AND MONITORING PROTOCOLS TO A CHANGING CLIMATE | | NA |
| NA | | NA | | NA |
| NA | | NA | | NA |
| NA | | NA | | NA |