

ALL EVENTS ARE LISTED IN EDT (UTC-4)	Tuesday July 13, 2021	Wednesday July 14, 2021	Thursday July 15, 2021			
10:45	Welcome!		Opening Remarks			
11:00	11:00 - 13:00 Presidential Plenary and Symposium Moderators: Eric Linton and Dale Casamatta	Metabarcoding Workshop An Introduction to metabarcoding data analysis using QIIME2 Presented by: Erin Borbee and Elaine Shan (separate e-cards)	11:00 - 13:36 Bold Award Competition Moderator: Matt Ashworth			
11:00	11:00 Presidential Plenary, Lynn Rothschild: FROM EARTH TO ET: THE USE OF SYNTHETIC BIOLOGY FOR NASA'S MISSIONS		11:00 Erin Borbee et al. PROTIST COMMUNITY STRUCTURE ACROSS INDONESIA AND ITS FUTURE IMPLICATIONS FOR MARINE PROTECTED AREA DESIGN			
11:30	11:50 Nicole Pietrasik: DRYLAND SOILS – A TREASURE CHEST OF HIDDEN DIVERSITY		11:12 Alexander McGrath et al. THE ROLE OF HOST-ASSOCIATED MICROBIOMES IN PHOTOSYNTHETIC FUNCTIONING WITHIN THE HABITAT FORMING MACROALGAE, <i>HORMOSIRA BANKSI</i>			
12:00	12:10 Jeff Johansen: RECOGNIZING CYANOBACTERIAL DIVERSITY IN THE MODERN ERA		11:24 Emily Neuman et al. PREDICTIVE MODELLING ASSESSMENT OF SUITABLE HABITATS FOR STARRY STONEWORT (WITTELOPSIS OBTUSA) IN THE UPPER MIDWEST AND NORTHEAST (USA)			
12:00	12:30 Susan Wilde: INVESTIGATING THE TOXIC INVASION OF HYDRILLA/AETOKTHONOS HYDRILLICOLA IN FRESHWATER FOODWEBS		11:36 Erick Lopes-Filho et al. ON THE DIVERSITY OF <i>DICTYOCOTA</i> J.V. LAMOUROUX IN BRAZIL			
12:30	12:50 Panel Q&A		11:48 Gabriella Kuba et al. MICROBIOTA-MACROALGAL RELATIONSHIPS IN THE HAWAIIAN ARCHIPELAGO ARE INFLUENCED BY PHYLA AND MORPHOLOGICAL COMPLEXITY			
13:00	*Break and Interact*		12:00 Timothy Bateman et al. LABORATORY INDUCED EVOLUTION OF THERMAL TOLERANCE DIFFERS IN GENOTYPES OF THE SYMBIOTIC DINOFLAGELLATE <i>BREVOLIUM MINUTUM</i>			
13:30	<table border="1"> <tr> <td>Track 1 Moderator: <i>Dani Laughinghouse</i></td> <td>SESSION A Track 2 Moderator: <i>Rakana Majewska</i></td> <td>Track 3 Moderator: <i>Juliet Bradie</i></td> </tr> </table>		Track 1 Moderator: <i>Dani Laughinghouse</i>	SESSION A Track 2 Moderator: <i>Rakana Majewska</i>	Track 3 Moderator: <i>Juliet Bradie</i>	12:12 Hanie Khorshid et al. PHOTOPROTECTION AS A POSSIBLE TARGET OF THE EX1-DEPENDENT 102 STRESS SIGNALING IN <i>CHLAMYDOMONAS REINHARDTII</i>
Track 1 Moderator: <i>Dani Laughinghouse</i>	SESSION A Track 2 Moderator: <i>Rakana Majewska</i>		Track 3 Moderator: <i>Juliet Bradie</i>			
13:30	13:30 Anaphi M.J. et al. EXPANDING THE DISTRIBUTION OF <i>OCULATELLA OCULATELLA</i> (OCULATELLACEAE, CHROMISTEA) NEW DISCOVERIES FROM NIGERIA, CHINA AND NEW MEXICO		12:36 Inara Mendonga et al. MICROBIOME CHANGES IN A STRANDING SIMULATION OF THE HOLOPELAGIC MACROALGAE <i>SARGASSUM NATANS</i> AND <i>SARGASSUM FLUITANS</i>			
13:40	13:40 Whitworth et al. A WINDOW TO THE PAST: CYANOBACTERIAL DIVERSITY AND BIOGEOGRAPHY IN HERBARIUM SPECIMENS	12:48 William McMin HOW DOES YOUR COCCOLITHOPHORE GROW? EXCRETION AND UTILISATION OF DOM AND DON BY CULTURED <i>EMILIANA HUXLEYI</i>				
13:50	13:50 Vilanova et al. ANALYZING THE FULL GENOMIC COMPLIMENT OF <i>BIRODONIA</i> STRAINS FOR TAXONOMIC DISAGREEMENT OF THE CYANOBACTERIAL GENUS, <i>BIRODONIA</i>	13:00 Lauren Simmons et al. GOING WITH THE FLOW: PHYTOPLANKTON MORTALITY AND COMMUNITY DYNAMICS				
14:00	14:00 Palmer, E.G. et al. A NEW SPECIES OF <i>TIMARVETIA</i> (OCULATELLACEAE, CYANOBACTERIA) FROM CANYONLANDS NATIONAL PARK	13:12 Michaele Rogers et al. AN ANALYTICAL APPROACH TO MONITORING SURFACE CHEMISTRY OF SMALL-SCALE <i>OSTEOGOMONAS</i> MARINE ALGAL BLOOMS				
14:10	14:10 Shirai et al. MOLECULAR ANALYSIS OF DESERT STRAINS IN THE GENUS <i>PHOCODIUM</i> (SYNECHOCOCCEAE, CYANOBACTERIA)	13:24 Ryan Cochrane et al. THE CLONING AND ENGINEERING OF DIATOM MITOCHONDRIAL GENOMES IN YEAST AND BACTERIA				
14:20	14:20 Q&A	13:36 Kira Turham et al. EVOLUTION OF SPANNING CAULIFLOWER CORALS CORRESPOND TO THE SPECIATION OF MUTUALISTIC MICROALGAE				
14:30	<table border="1"> <tr> <td>Track 1 Moderator: <i>Ike Levine</i></td> <td>SESSION B Track 2 Moderator: <i>Trisha Spanbauer</i></td> <td>Track 3 Moderator: <i>Katherine Perri</i></td> </tr> </table>	Track 1 Moderator: <i>Ike Levine</i>	SESSION B Track 2 Moderator: <i>Trisha Spanbauer</i>	Track 3 Moderator: <i>Katherine Perri</i>	13:48 Nihal Tabakhshi et al. THREE SEX PHENOTYPES IN A MARIOD ALGAL SPECIES GIVE INSIGHTS INTO THE EVOLUTIONARY TRANSITION TO A SELF-COMPATIBLE MATING SYSTEM	
Track 1 Moderator: <i>Ike Levine</i>	SESSION B Track 2 Moderator: <i>Trisha Spanbauer</i>	Track 3 Moderator: <i>Katherine Perri</i>				
14:30	14:30 Klein, R.P. et al. A NEW CRUSTOSE SPECIES OF <i>PHYRRODITUM</i> (PHYRRODITACEAE, CORALLIPHOCIDAE) FROM THE MEDITERRANEAN SEA (ABU QIR, EGYPT)	13:50 Oringa Oving's, A. et al. SUNGUMNACEAE FAM. NOV. (BACILLARIACEAE, PHAEODACTYLACEAE) SUGUMNINA GEN. NOV. AND THREE NEW SUNGUMNINA SPECIES FROM KOREA BASED ON MOLECULAR AND MORPHOLOGICAL ANALYSES				
14:40	14:40 Gargi, C.D. et al. MOLECULAR SYSTEMATICS OF HAWAIIAN <i>GRACILARIACEAE</i> (RHODOPHYTES) BASED ON <i>rbcL</i> DNA SEQUENCE ANALYSES	14:00 Brigham, T.T. et al. WHOLE GENOME SEQUENCING OF THE RED GENUS <i>BARIA</i> (PHAEODACTYLACEAE) REVEALS FORGOTTEN LINEAGES AND HYBRIDIZATION AMONG SPECIES				
14:50	14:50 Fendley, S. et al. NEW DEEPWATER SPECIES OF RED ALGAE GROWN IN PHOENIX BAYS IN THE NEW GUINEA	14:00 Eubanks-Kowalyk, M. et al. METABARCODING OF AUTOTROPHIC EUGLENIDS BASED ON <i>vc1</i> 18S RRNA MARKER, COMBINED WITH RFLP ANALYSIS AND OPTIMIZED PROTOCOL OF DNA ISOLATION				
15:00	15:00 Batmangchi, D. et al. MOLECULAR AND MORPHOLOGICAL ANALYSES REVEAL NEW TAXA ADDITIONS TO THE THREE STRIBILOIDACEAE (RHODOPHYTES)	14:00 Kozuka, W.H.C.F. et al. ON DETECTION, IDENTIFICATION, AND ELIMINATION OF PLANTOTIC DIATOM SPECIES IN METABARCODE DATA: EXAMPLES FROM CHARTERED AND BACTERIASTRUM				
15:10	15:10 Sherwood, A.R. et al. NEW <i>PHYSSONELLELOID</i> ALGAE SPECIES FROM HAWAII'S MESOPHOTIC CORAL ECOSYSTEMS	14:00 Morrison, H.G. et al. Identification of LITHUANIAN AND TROPIC SPECIFIC AMPHICOENUS VARIANTS OF BACTERIA IN HOST MICROBIOMES OF THE BROWN ALGAE <i>Fucus vesiculosus</i> (Phaeophyceae)				
15:20	15:20 Q&A	14:00 Q&A				
15:30	*Break and Interact*		*Break and Interact*			
16:00	16:00 - 17:30 Lightning Talks Presenters listed in tab below Moderator: Stacy Krueger-Hadfield		16:00 - 17:30 Presenters listed in tab below (posters numbered 2-31) Moderator: Jeff Morris			
17:30	Conclude		PSA Student Social 17:30 until ... Student Host: Sabrina Heiser			
TIME	Tuesday July 20, 2021	Wednesday July 21, 2021	Thursday July 22, 2021			
10:45	Opening Remarks		Opening Remarks			
11:00	11:00 - 13:00 Bob Sheath Co-Editors Symposium Moderators: Mike Graham and Kristen Muller	NSF research and training opportunities for the phycology community Presented by: NSF Program Director	11:00 - 11:30 Long Lecture Stacy Krueger-Hadfield: WHAT'S POLYD GOT TO DO WITH IT? Moderator: Patrick Martone			
11:30	11:10 Melinda Coleman: FUTURE-PROOFING KELP FORESTS		11:30 - 13:00 IDEA Symposium Moderators: The IDEA Working Group			
11:30	11:20 Sonya Dyrman: ALGAL PARTNERSHIPS, INTERACTIONS AND INTERDEPENDENCIES: TRACKING PATTERNS AND THEIR SENSITIVITY TO A CHANGING ENVIRONMENT		11:30 Liga Collado-Vides: REFLECTIONS ON DIVERSITY AND INCLUSIVENESS: A PERSPECTIVE FROM A PHYCOLOGIST			
12:00	11:40 Thomas Mock: PHYTOPLANKTON IN THE EVOLUTIONARY GATEWAY TO POLAR OCEANS		12:10 Austin Shelton: TBA			
12:00	12:10 Chris Lane: ARE RED ALGAL PARASITES ACTUALLY TRANSVERSIBLE CANCERS?		12:30 Panel Q&A			
12:30	12:20 Andrew Allen: EVOLUTION AND METABOLIC CONFIGURATION OF NITROGEN AND IRON METABOLISM IN MARINE DIATOMS					
12:30	12:40 Panel Q&A					
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13:30	13:30 Gouliopoulos, P.A. et al. COMPARATIVE GENOMICS OF SYMBIOTIC BACTERIA AND SYMBIOTES AS A DRIVER OF DIVERSIFICATION	13:30 Gish, J.S. WATER FLOW AND ASSOCIATED INVERTEBRATE INTERACT TO MODULATE A DIFFUSE BOUNDARY LAYER AROUND A CRYSTALLINE ALGAL				
13:40	13:40 Hsu, H.L. et al. <i>CHLAMYDOMONAS</i> SP. INDU, A NEW BACILLARIACEAE AND STRAINING SPECIES OF CRUSTOSE CORALLINE ALGAE FROM THE FLOWER GARDEN MARINE NATIONAL MARINE SANCTUARY	13:30 Kube, B. et al. PHOTOSYNTHETIC RESPONSE TO A WINTER HEATWAVE IN LEADING AND TRAILING EDGE POPULATIONS OF AN INTERTIDAL RED ALGAE				
13:50	13:50 Corujo, A.C.S. et al. FUNCTIONAL STRUCTURE OF A PERITROCHAL TROPICAL BAY IN RIO DE JANEIRO, BRAZIL	13:30 Huang, J.H. et al. EFFECT OF ELUVATED CO ₂ ON THE GROWTH, PHOTOSYNTHETIC PARAMETERS AND NUTRIENT UPTAKE OF <i>GRATELOUPA FLUVA</i>				
14:00	14:00 Duran, A. et al. DECODING CORAL REEF ECOLOGICAL PUZZLES USING PROTEIN ALGAL TRANSCRIPTOMICS	13:30 Harker, S. et al. WHO CARES MORE ABOUT CHEMICAL DEFENSES IN THE RED SEAWEED <i>FLORICORNIA</i> SP. – THE SEAWEED OR ITS ONLY GRAZER?				
14:10	14:10 Diaz-Tapia, P. et al. DIATOMS AND DINOFLAGELLATE DIVERSITY INHABITING A COASTAL LIVINGWELL SYSTEM: A METABARCODING APPROACH	14:00 Whitmore et al. EFFECTS OF IRRADIANCE, NUTRIENT ENRICHMENT, AND CO ₂ ON PHOTOSYNTHETIC EFFICIENCY OF HAWAIIAN <i>CHONDRIS</i> SP. INDU, AND <i>MALVETIA HAWAIIANA</i> (RHODOPHYTES)				
14:20	14:20 Q&A	14:10 Martin, E. REDESIGNING OF UPPER DIVISION UNDERGRADUATE BIOCHEMISTRY LABORATORY COURSE WITH FOCUS ON ALGAL BIOTECHNOLOGY				
14:30	<table border="1"> <tr> <td>Track 1 Moderator: <i>Sabrina Heiser</i></td> <td>SESSION E Track 2 Moderator: <i>Tim Bateman</i></td> <td>Track 3 Moderator: <i>Tahmineh Rouzbahani</i></td> </tr> </table>	Track 1 Moderator: <i>Sabrina Heiser</i>	SESSION E Track 2 Moderator: <i>Tim Bateman</i>	Track 3 Moderator: <i>Tahmineh Rouzbahani</i>	Track 1 Moderator: <i>Mickey Rogers</i>	
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14:30	14:30 Siva, P. et al. THE POTENTIAL IMPACT OF CLIMATE WARMING ON THE FRESHWATER ALGAL FLORA OF ARCTIC LAKES: EVIDENCE FROM THE ECOSYSTEM	14:00 Sosa-García, L. et al. ASSESSING CHANGES IN COASTAL ECOSYSTEM ENGINEERS AND ASSOCIATED COMMUNITIES IN NARRAGANSETT BAY				
14:40	14:40 Hologah, A. et al. TERRESTRIALIZATION OF ZYGEMMATOPHYCEAE: HOW ADAPTATION TO STRESSFUL ENVIRONMENTS SHAPED THEIR TRANSITION TO LAND	14:00 Cahill, A.M. et al. EFFECTS OF A MACROALGAL FOUNDATION SPECIES ON BACTERIAL COMMUNITY STRUCTURE AND DIVERSITY OF INTERTIDAL COMMUNITIES				
14:50	14:50 Fisher, N. et al. CONTRASTING DIURNAL DYNAMICS OF LIGHT-DEPENDENT AND -INDEPENDENT RESPIRATION FROM TWO CENTRIC THALASSIOSIRA DIATOMS	14:00 Chasing, R.J. et al. UTILIZING EXPERIMENTAL APPROACHES TO IDENTIFY FACTORS THAT PROMOTE RESPIRATION SUCCESS IN CANOPY-FORMING MACROALGAE				
15:00	15:00 Vito Quispe et al. EELGRASS-ASSOCIATED MICROBIOMES LIMIT THE DISTRIBUTION OF <i>ULVA</i> SP. IN TOP-DOWN CONTROL OF ITS EARLY LIFE STAGES	14:00 Caporaso-Fossa et al. IDENTIFICATION OF ENVIRONMENTAL DRIVERS OF MICROBIOME STRUCTURE FROM THE BROWN ALGAE <i>Fucus vesiculosus</i> (PHAEODACTYLACEAE)				
15:10	15:10 Ashworth, M. et al. THE GENUS <i>ACHAETES</i> (BACILLARIOPHYCEAE) AS A MODEL TO INVESTIGATE THE NATURE OF PASTORAL OBLIGATE EPICORAL DIATOMS	14:00 Ruben, A. R. et al. TROPIC REGULATION OF ALGAL SIZE STRUCTURE				
15:20	15:20 Q&A	14:00 Q&A				
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16:00	16:00 - 17:30 Poster Session II Presenters listed in tab below (posters numbered 32-62) Moderator: Karolina Fucikova		16:00 - 17:00 PSA Awards Ceremony			
17:30	17:30 PSA Action Auctioneer: Morgan Vix		Adjourn Meeting			
18:00	Conclude					