

Short Presentation	Poster No.	Session Name	Date	Start Time	End Time	Room	Abstract No.	First Name	Middle Name	Last Name	Title of Abstract
○	P1- 1	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	2	Kyle	Andrew	Naylor	Development of a Dusky Kob scFv gene phage display library for the discovery of antibodies to Brome mosaic virus - a proxy for a novel, emerging fish pathogen.
○	P1- 2	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	3	Jay-Dee	Leigh	Atkins	The effect of acute heat stress on calreticulin expression in primary haemocytes isolated from the South African abalone <i>Haliotis midae</i> .
○	P1- 4	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	18	Hao	Cong	Nguyen	Novel DNA Vectors Vaccine Using Tilapia Constitutive Promoters for Tilapia Disease
○	P1- 5	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	20	Hyouon Joong		Kim	Ostreid Herpesvirus-1 $\mu$ Var infection in bay scallop ( <i>Argopecten irradians</i> ) hatcheries in Korea
○	P1- 6	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	21	Teika		Onoue	Diurnal variation of CC motif chemokine 13 gene regulated by clock gene in medaka ( <i>Oryzias latipes</i> )
○	P1- 7	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	29	Li-Li		Chen	Application of polyamine carbon quantum dots (CQDs) to an aquatic viral disease control: taking shrimp white spot syndrome (WSS) as an example
○	P1- 8	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	33	Tsung-Yu		Kao	Metagenomic analysis of grouper ( <i>Epinephelus coioides</i> ) gut microbiota in response to rhamnan sulfate from <i>Monostroma latisimum</i>
○	P1- 9	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	34	Hsin-Yiu		Chou	Antigenic feature analysis of a voting mechanism based linear epitope prediction system for the host specific <i>Iridoviridae</i> family
○	P1- 10	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	39	Saekil		Yun	Novel application of fish vaccine using PLGA microparticle-encapsulated antigens in aquaculture
○	P1- 11	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	57	Suthinee		Soponpong	Functional characterization of cytosolic DDX41 sensor in mediating antiviral immune response in black tiger shrimp <i>Penaeus monodon</i>
○	P1- 12	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	60	Ramya		Kumar	ROLE OF BILE ACID AND BILE ACID TRANSPORTERS IN PATHOGENESIS OF ACUTE HEPATOPANCREATIC NECROSIS DISEASE IN WHITE SHRIMP ( <i>Litopenaeus vannamei</i> )
○	P1- 13	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	63	Jirayu		Boonyakida	Characterizations of Five Truncated Major Viral proteins from White Spot Syndrome Virus for Shrimp Vaccination Against White Spot Disease
○	P1- 14	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	95	Woo Taek		Oh	Emergence of red mark syndrome in farmed rainbow trout in Korea
○	P1- 15	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	100	Kentarō		Imazumi	Probiotic effect of <i>Bacillus amyloliquefaciens</i> strain TOA5001 on whiteleg shrimp ( <i>Litopenaeus vannamei</i> )
○	P1- 16	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	104	Toshiyuki		Takagi	Transcriptome analysis of innate immunity in the coral <i>Acropora digitifera</i> exposed to the bacterial pathogen <i>Vibrio coralliilyticus</i> under thermal stress
○	P1- 17	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	106	Kyutaro		Yasumoto	Characterization of the bester sturgeon ( <i>Huso huso</i> ) $\times$ <i>Acipenser ruthenus</i> antibody in growth dependent manner.
○	P1- 18	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	142	Teppeï		Sato	Expression analysis of immune related genes by high temperature acclimation of common carp ( <i>Cyprinus carpio</i> )
○	P1- 19	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	143	Ivane	Pedrosa	Gerasmio	Passive immunization of shrimp against acute hepatopancreatic necrosis disease (AHPND) using egg yolk immunoglobulin (IgY) against PirA-like toxin in feeds
○	P1- 20	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	146	Omar Adrienne	Pan	Alaman	A short-chain pentraxin in kuruma shrimp ( <i>Marsupeneus japonicus</i> ) hemocytes binds to microbial polysaccharides and promotes calcium ion-dependent agglutination in vitro
○	P1- 21	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	147	Channapha		Sakseepipad	Comparative whole-genome sequence analysis base on single nucleotide polymorphisms (SNP) of RSIV-type Megalocytivirus isolated from cultured marine fish in Japan
○	P1- 22	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	148	Germaine	G. K.	Lau	Investigation of serine proteases in the skin flukes <i>Benedenia seriolae</i> and <i>Neobenedenia girellae</i> in amberjacks <i>Seriola</i> spp.
○	P1- 23	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	150	YURIE		YASAKA	Identification and characterization of pathogenic bacteria isolated from dead masu salmon, <i>Oncorhynchus masou masou</i> and antibacterial activity of probiotic <i>Lactococcus lactis</i> strain K-C2 against isolated pathogens
○	P1- 24	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	153	Zittipong		Nhnhkorn	<i>Penaeus monodon</i> IKs participate in regulation of cytokine-like system and antiviral responses of innate immune system
○	P1- 25	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	158	Natsuki		Morimoto	Immune responses to bacterial infection in an <i>ASC</i> -mutated Japanese medaka ( <i>Oryzias latipes</i> ) established by CRISPR-Cas9 system
○	P1- 26	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	159	Pinwen	Peter	Chiou	Effect of high temperature on the immune response in grouper intestine
○	P1- 27	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	161	Dien	Arista	ANGGOROWATI	Repeated prolonged fasting-induced immunological changes and autophagy activity in disk abalone, <i>Haliotis discus discus</i>
○	P1- 28	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	172	Ansaya		Pumchan	NOVEL MULTIEPITOPE DNA VACCINE FOR CONTROL STREPTOCOCCOSIS DISEASE-MULTI-SEROTYPE PROTECTION
○	P1- 30	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	174	Atittaya		Hoihuan	Molecular characterization of <i>Vibrio vulnificus</i> isolated from diseased brown-marbled grouper ( <i>Epinephelus fuscoguttatus</i> )
○	P1- 36	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	263	Wenteng		Xu	Molecular Characterization of <i>dctn5</i> and <i>stat5b1</i> in Chinese tongue sole and their immune response to <i>Vibrio harveyi</i> infection
○	P1- 37	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	279	Yongbo		Bao	Heme is essential for antibacterial activity and oxygen-binding of <i>Tegillarca granosa</i> recombinational hemoglobin in vitro
○	P1- 38	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	283	Shao-Yang		Hu	Improvements in the growth performance, immunity, disease resistance, and gut microbiota by the probiotic <i>Rummeliibacillus stabekisii</i> in Nile tilapia ( <i>Oreochromis niloticus</i> )
○	P1- 39	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	318	Hong-Yi		Gong	Granulin peptide GRN-41 of Mozambique tilapia is a novel antimicrobial peptide against <i>Vibrio</i> species
○	P1- 40	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	336	Kohei		Yoshihara	Detection of antigen specific IgM-secreting B-cells in the lymphoid organs after immersion and injection vaccination by ELISpot assay
○	P1- 41	Disease and Immunology in Aquaculture	10-Sep	16:30	18:00	Gallery ABCD	344	Sib Sankar		Giri	Dietary heat-killed <i>Pseudomonas aeruginosa</i> strain VSG2 on immune functions, antioxidant efficacy, and disease resistance of <i>Cyprinus carpio</i>
○	P3- 1	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	5	Takeshi		Saito	Verification study on Nannochloropsis cultivation using the full scale open pond race way system.
○	P3- 2	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	49	Handung		Nuryadi	Macroscopic colony-forming filamentous cyanobacteria from Okinawan coasts as promising resources of drug discovery
○	P3- 3	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	50	Shoichiro		Suda	Marine green micro flagellates are unexplored resources for application
○	P3- 4	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	56	Susumu		Takio	Isolation of aseptic culture of the seagrass <i>Zostera marina</i> using stored seeds
○	P3- 5	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	79	Takashi		Inada	Synthesis of hydroxy fatty acids in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803
○	P3- 7	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	101	Jiangyu		Zhu	Application Potential of Phytic Acid in the Harvest of <i>Arthrospira platensis</i>
○	P3- 10	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	114	Nguyen	Thi Thu	Ha	Employing CRISPR-Cas9 technology to increase lipid productivity in <i>Chlamydomonas reinhardtii</i>
○	P3- 11	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	122	Masahiro		Hayashi	Metabolome Analysis of Xylose Assimilating <i>Thraustochytrids</i>
○	P3- 12	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	124	Ayako		Matsuda	Adaptation of <i>Thraustochytrid</i> to Xylose and Metabolic Profiling of the Adapted Strain
○	P3- 13	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	131	Inhwa		Song	Zeaxanthin Rich Oil Producing <i>Chlamydomonas</i> by CRISPR-Cas9 RNP
○	P3- 15	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	193	Hiroki		Miyauchi	Phosphate uptake by the green alga <i>Chlorella</i> and its application
○	P3- 16	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	209	Nattiwong		Pankasem	Substrate Specificity of the Cytochrome <i>b<sub>5</sub>-containing</i> Fatty Acid Desaturase localized in the Chloroplast of the Marine Prasinophyte, <i>Ostreococcus tauri</i>
○	P3- 17	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	227	Hideaki		Miyashita	Isolation, selection and evaluation of oleaginous microalgae for enhancing biomass productivity by attached cultivation system
○	P3- 18	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	228	Chen	Chun	Yen	Engineering strategies for enhancing microalgae protein production from an indigenous microalga <i>Chlorella vulgaris</i> FSP-E
○	P3- 19	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	230	Takahide		Onda	Carotenoids esterification of aerial microalga <i>Coelastrrella</i> sp. KGU-Y002 in a dry environment
○	P3- 20	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	231	Naritaka		Kawashima	Biofuel production on a surface of wall using aerial microalga <i>Coccomyxa</i> sp. KGU-D001
○	P3- 22	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	244	Feng		Chen	Integrated Algal Biotechnology for Environmental Remediation and Cost Reduction
○	P3- 23	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	261	Toshifumi		Kashiwagi	Development of a device for efficient dissolution of carbon dioxide into the mass culture of algae
○	P3- 24	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	274	Yasuhito		Yokoi	Elucidation of macroalgae-microbe relationships via macroalgae related bacterial isolates
○	P3- 26	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	305	Muhammad		Junaid	Development of the reversible regulatory system for gene expression using an acyl-homoserine lactone-mediated sensor and a lactonase in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803
○	P3- 27	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	334	Keisuke		Soejima	Analysis of mutants that suppressed oil degradation under dark conditions
○	P3- 28	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	002	Shigeru		Okada	Production of highly methylated triterpene hydrocarbons by a strain of the green microalga <i>Botryococcus braunii</i> isolated in Japan
○	P3- 29	Algal Biotechnology	10-Sep	16:30	18:00	Gallery ABCD	018	Naoya		Oku	Protective effect of collagen hydrolysate from shark cartilage against bone loss via induced angiogenesis
○	P4- 1	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	6	Tatsuya		Oda	Antibacterial activity of a porphyrin derivative isolated from the harmful dinoflagellate <i>Heterocapsa circularisquama</i>
○	P4- 2	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	22	Naoto		Kimura	Synthetic study on Protoaculeine B
○	P4- 3	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	43	Hikaru		Yamagami	Identification of a bioactive substance improving scopolamine-induced memory impairment from nacre of pearl oyster ( <i>P. fucata</i> )
○	P4- 4	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	45	Kazuma		Oura	Bioactive substance from Pearl oyster ( <i>P. fucata</i> ) nacre improves d-galactose-induced memory impairment
○	P4- 5	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	51	Shimpei		Sumimoto	Isolation and biological activity of minnamide A, a linear lipopeptide from marine cyanobacteria

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	P4- 6	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	72	Inneke	Fenny Melke	Rumengan	Cultivation and Molecular Identification of the Photosynthetic Microbes Associated with Tunicates Originated from Manado Bay, North Sulawesi, Indonesia
	P4- 7	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	74	Masashi		Tsuda	Structures and cytotoxic activities of new metabolites from the marine dinoflagellates Amphidinium species
	P4- 8	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	76	Hitoshi		Ouchi	Synthetic study of domoic acid
○	P4- 9	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	81	Kazuma		Ueno	Research of Bioactive substances from the marine snails
	P4- 10	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	91	Liyan		Wang	Anti-bacteria components from a marine derived fungi- <i>Aspergillus</i> sp. L1
	P4- 11	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	119	Yuki		Manabe	Anti-allergic effect of siphonaxanthin and its molecular mechanism
	P4- 12	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	120	Satoshi		Ohto	Glisoprenin F, an inducer of alkaline phosphatase activity in mesenchymal lineage cells, produced by a marine-derived <i>Aspergillus polyoricolor</i> BFM-0088
	P4- 16	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	149	Mitsuru		Jimbo	Characterization of a GFP-like protein AKANE from a coral <i>Scleronephtha gracilima</i>
	P4- 17	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	154	Sung-Koo		Kim	Light emitting diode(LED) and temperature effects on marine microalgal biomass production, lipid accumulation and fatty acid composition
○	P4- 18	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	155	Hayato		Nyunoya	Evaluation of delta5 desaturase activity in marine fish cells
	P4- 19	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	168	Agustino R.		Uria	Biosynthetic potential of rare marine bacteria isolated from Okinawan sponges
	P4- 20	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	175	Jung Hwan		Oh	Protective effect of bioactive component isolated from <i>Limonium tetragonum</i> against UVA-induced photoaging in human keratinocytes.
○	P4- 21	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	178	Jung Im		Lee	Anti-adipogenic effect of compounds and solvent fractions from <i>Lisustrum japonicum</i> fructus
	P4- 23	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	185	Yoshihiko		Akakabe	Characteristic aroma polyenes in marine algae
	P4- 25	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	286	Jung Im		Lee	Effect of the crude extract and its solvent fraction from <i>Artemisia scoparia</i> on 3T3-L1 adipocyte differentiation
○	P4- 26	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	288	Min Joo		Bae	Effect of <i>Corydalis heterocarpa</i> extract against UVA-induced photoaging in human fibroblasts.
○	P4- 27	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	311	Azusa		Kubota	Effect of polyamine transporter inhibitor on the pH increase in calcifying fluids of juvenile coral polyps possibly associated with calcification processes
○	P4- 30	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD	027	Issara		Kaweewan	Genome sequencing and chemical investigation on a marine actinobacterium <i>Streptomyces spongicola</i> 5315
○	P4- 31	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD		Hiroimi		Watari	A novel sponge-derived protein thrombocortin is a new agonist for thrombopoietin receptor
○	P4- 32	Natural products from Marine Bioresources	10-Sep	16:30	18:00	Gallery ABCD		Kei		Miyako	Metabonomics identification of bioactive metabolites from solitary tunicates
	P5- 1	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	9	Kazutoshi		Okamoto	Improvement in Japanese giant spider crab <i>Macrocheira kaempferi</i> survival in captivity during critical early life stages -Effects of antibiotics and deep seawater on megalopa and first crab survival-
	P5- 3	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	270	Yuichi		Ozaki	Expressional regulation of steroidogenic enzyme genes in the testis of Japanese eel matured by recombinant eel gonadotropin injections
○	P5- 4	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	272	Hiroshi		Suzuki	Differential effects of recombinant Japanese eel Lh with a variety number of C-terminal peptide of hCG on male sexual maturation in Japanese eel
	P5- 5	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	284	Yukinori		Kazeto	Structure analysis of N-glycans responsible for the in vivo bioactivity of recombinant Japanese eel follicle-stimulating hormone
○	P5- 6	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	285	Satoshi		Kai	Luteinizing hormone $\beta$ -subunit gene knockout in Japanese anchovy ( <i>Engraulis japonicus</i> ) by TALEN-based genome editing
○	P5- 7	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	314	Tulio	Teruo	Yoshinaga	Testicular allografting followed by immunosuppressive treatment promotes germ cell maintenance in rainbow trout ( <i>Oncorhynchus mykiss</i> )
	P5- 8	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	316	Kuan-Chieh		Peng	Sterilizing fish by gene knockdown techniques
	P5- 9	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	320	J. Sook	sook	Chung	Crustacean female sex hormone in the blue crab, <i>Callinectes sapidus</i>
○	P5- 10	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	335	Wai-Kwan		Chu	Targeted Mutagenesis of dead end (dnd1) Gene for Infertility Control of Zebrafish and Angelfish by CRISPR-Cas9 Genome Editing
○	P5- 12	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	029	Masafumi		Hanazuka	Characterization of Sinus Gland Peptides from the Southern Rough Shrimp <i>Trachysalambria curvirostris</i>
	P5- 13	Reproductive and Developmental Technology in Aquaculture	11-Sep	16:30	18:00	Gallery ABCD	042	Eliahu		D. Afalo	TWO-GENERATION SELECTIVE BREEDING REVEALING A Macrobrachium rosenbergii LINE WITH HIGHER FEMALE PERFORMANCE SUITABLE FOR ALL- FEMALE MONOSEX CULTURE
○	P6- 1	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	64	Joan		Tang Xiao Joe	Investigation of intestinal microbial flora in larval and diseased grouper
○	P6- 2	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	128	Mengqi		Sun	Abundance and dynamics of estuarine viroplankton revealed by deep sequencing
○	P6- 3	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	221	Masato		Kogawa	Single-cell genomics of uncultured sponge-associated bacteria producing aurantioside
○	P6- 4	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	240	Ryo		Mukojima	Detection of Mangromycin analogs by using Raman spectroscopy and MCR-ALS analysis
	P6- 5	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	303	Ryo		Negishi	Gel-based cell manipulation technique for genotyping of single microbial eukaryotes in seawater
○	P6- 6	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	005	Saki		Yanagisawa	Shotgun metagenomic sequencing analysis of environmental DNA extracted from seawater samples of the Ofunato Bay
	P6- 7	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	006	Ashok		Samuel	Molecular Profiling of Huh7 Liver Cells with Raman Micro-Spectroscopy and Multivariate Curve Resolution
	P6- 8	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	010	Nanami		MIZUSAWA	Recurrent seasonal variation in the microbial communities of the Tama River revealed by shotgun metagenomic sequencing
○	P6- 9	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	033	Kana		Jitsuno	Bacterial diversity and community composition associated to <i>Pyropia yezoensis</i> cultured at three environmentally distinct sites in Japan
○	P6- 10	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	034	Louis		Burgeat	Analysis of the microbiome of the Seaweed <i>Pyropia yezoensis</i> (Nori) for dried and baked samples harvested in different locations
○	P6- 11	New Analysis for Microbial Community: Metagenomics to Single Cell Analysis	11-Sep	16:30	18:00	Gallery ABCD	035	Muhammad	Wahyudin	Lewaru	Bacterial diazotrophic communities within the corals <i>Acropora tenuis</i> in Okinawa shallow reef, Japan
○	P7- 1	Marine Biotechnology for Environmental Conservation	11-Sep	16:30	18:00	Gallery ABCD	214	Meijie		Yang	The responses of digestive tract microflora and digestive enzymes in <i>Rapana venosa</i> (Valenciennes, 1846) to different temperatures
○	P7- 3	Marine Biotechnology for Environmental Conservation	11-Sep	16:30	18:00	Gallery ABCD	322	Tulio	Teruo	Yoshinaga	Exposure of rainbow trout ( <i>Oncorhynchus mykiss</i> ) juveniles to chronic thermal stress affects the fate of spermatogonial cells and increases the performance of respective offspring at high temperature
○	P7- 4	Marine Biotechnology for Environmental Conservation	11-Sep	16:30	18:00	Gallery ABCD	032	Derek		Kraft	Global Genetic Inventory of the Silky Shark ( <i>Carcharhinus falciformis</i> ), the Shark Finning Industry, and DNA Fingerprinting
	P7- 5	Marine Biotechnology for Environmental Conservation	11-Sep	16:30	18:00	Gallery ABCD	037	Yukiyo		Yamasaki	Effect of mixing method on microalgal cultivation using various sewage resources
○	P7- 6	Marine Biotechnology for Environmental Conservation	11-Sep	16:30	18:00	Gallery ABCD	045	Jan		Vicente	Surprising interactions revealed between non-native sponges and corals of Kane'ohe Bay during an intensive undergraduate summer research program
	P8- 3	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	125	Nami		Tomonaga	Improving effect of dietary ceramide 2-aminoethylphosphonate, a marine sphingopholipid, on skin barrier function in hairless mice
	P8- 4	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	133	Mi Hwa		Park	Octaphloretol A isolated from <i>Ishige sinicola</i> stimulates osteoblast differentiation through activation of the bone morphogenetic protein and Wnt/ $\beta$ -catenin signaling pathways in MC3T3-E1 cells
○	P8- 5	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	135	Bokyung		kim	Effect of Gloiopeltis Furcata Extract on Bone Formation in ovariectomized
○	P8- 6	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	138	Bokyung		kim	The Effects of Gloiopeltis Furcata Extract on Osteoblast Differentiation of MC3T3-E1 Cells
○	P8- 7	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	139	Kyung Im		Jung	Anti-inflammatory Activity of Sea Tangle ( <i>Saccharina japonica</i> ) Fermented with <i>Lactobacillus brevis</i>
○	P8- 8	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	151	Jihye		Ryu	Improving Preservation of Spawn of a Pollack by Using <i>Chamaecyparis obtusa</i> Extracts
○	P8- 10	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	292	Kao	Yi	Feng	The apoptotic mimicry prepared from the shrimp head phospholipids reveal the immunomodulatory effects on the cell based assay and in a murine model of allergic skin inflammation
	P8- 12	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	342	Yunok		Oh	Blue mussel-derived osteogenic peptides enhance osteogenic differentiation of mesenchymal stem cells and in vivo bone formation by stimulating the Wnt/ $\beta$ -catenin pathways
	P8- 13	Marine Functional Foods	11-Sep	16:30	18:00	Gallery ABCD	343	Yunok		Oh	Bioactive peptides from blue mussel protects vascular endothelial cellular damage induced by oxidative stress through regulation of caspase-3/apoptotic pathway
	P13- 2	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	202	Takahisa		Tajima	Itoaconic acid production by a marine psychrophilic bacterium
	P13- 3	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	203	Yoshiaki		Maeda	Genomic landscape of the allopolyploid genome of the oleaginous diatom <i>Fistulifera solaris</i> as revealed by long read nanopore sequencing
	P13- 4	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	211	Yoshiko		Okamura	A lipid-producing bacterium <i>Nitratireductor</i> sp. strain OM-1 with potential use in wastewater treatment
○	P13- 5	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	225	Noraiza	Binti	Suhaimi	Functional analysis of $\Delta 5$ elongase gene in the marine diatom <i>Fistulifera solaris</i> towards docosahexanoic acid production
○	P13- 6	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	226	Hirofumi		Shimada	Production of valuable fatty acids in the marine diatom <i>Fistulifera solaris</i> by metabolic engineering
○	P13- 7	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	260	Chiharu		Tsuneoka	IDENTIFICATION OF ENDOGENOUS INTRONS IN <i>FISTULIFERA SOLARIS</i> JPCC DA0580 FOR ROBUST TRANSGENE EXPRESSION

Short Presentation	Poster No.	Session Name	Date	Start Time	End Time	Room	Abstract No.	First Name	Middle Name	Last Name	Title of Abstract
	P13- 8	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	273	Masayoshi		Noda	ESTABLISHMENT OF METHOD FOR IDENTIFICATION OF NOVEL LIPID DROPLET-ASSOCIATED PROTEINS IN <i>FISTULIFERA SOLARIS</i> JPCC DA0580
	P13- 9	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	295	Sena		Yamashita	Analysis of lipid synthesis pathway in short-chain ester producing bacterium <i>Nitratireductor</i> sp. OM-1
	P13- 10	Energy and Material Recycle by Marine Biotechnology	11-Sep	16:30	18:00	Gallery ABCD	331	Yusuke		Noboru	Development of two-stage fermentation technology for biodiesel fuel production using alginate
	P15- 1	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	26	NIKHIL	DILIP	YADAV	An extensive quantitative survey of occurrence of seaweeds with reference to human activities and anthropogenic effect from the coast of Ratnagiri district of Maharashtra state, India.
	P15- 3	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	115	Naoto		Hanzawa	Taxonomic status and distribution of rhizostomid jellyfish (Scyphozoa, Cnidaria) inferred from genome marker analyses
	P15- 4	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	207	Hikaru		Oyama	Molecular species identification resolves taxonomic confusion in gnomefish (Teleostei, Scombroidei) in South Africa
	P15- 7	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	217	Hao		Song	Learning how to live together: Arginine biosynthesis complementation in sponge symbiosis
	P15- 8	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	262	Maho		Kashitani	Distribution of tetrodotoxin in acetylean flatworms (Platyhelminthes)
	P15- 9	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	278	Shiro		Itoi	Microbial communities in waters of the spawning areas for Japanese eel <i>Anguilla japonica</i>
	P15- 10	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	306	Akira		Iguchi	Examination of inter- and intraspecific genetic differentiation of reef-building coral <i>Acropora</i> based on SNPs and haplotype frequency based approaches
	P15- 12	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	330	Tomoko		Koito	A possible hydrogen sulfide detoxification mechanism in deep-sea hydrothermal vent-endemic polychaeta
	P15- 13	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	339	Kentaro		Kawai	Spawning biology of the black sea bream <i>Acanthopagrus schlegelii</i> in Hiroshima Bay, revealed from spatiotemporal distribution of pelagic eggs
	P15- 14	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	340	Hiroki		Fujita	<i>Mothocyca parvostis</i> (Isopoda: Cymothoidea), infesting juvenile black sea bream, <i>Acanthopagrus schlegelii</i>
	P15- 15	Marine Symbiosis & Marine Ecology	11-Sep	16:30	18:00	Gallery ABCD	046	Jan		Vicente	LOSING THE UNKNOWN DIVERSITY OF CRYPTIC SPONGES IN KANE'OHÉ BAY TO A CHANGING CLIMATE"
	P9- 1	Innovative approach to sustainable aquaculture and fisheries I : Fusion of molecular genetics and developmental biotechnology	12-Sep	16:30	18:00	Gallery ABCD	25	Gen Hua		Yue	Mapping and validating QTL for fatty acid compositions and growth traits in Asian seabass
	P9- 2	Innovative approach to sustainable aquaculture and fisheries I : Fusion of molecular genetics and developmental biotechnology	12-Sep	16:30	18:00	Gallery ABCD	208	Taiki		Okabe	Morphological genetic characterizations of the local variety in salmon, <i>Oncorhynchus masou masou</i> , from Kanagawa Prefecture, Japan
	P9- 3	Innovative approach to sustainable aquaculture and fisheries I : Fusion of molecular genetics and developmental biotechnology	12-Sep	16:30	18:00	Gallery ABCD	256	Kensuke		Ichida	Specific visualization of type A spermatogonia using a fluorescence-conjugated antibody in <i>Salmo</i> species
	P9- 4	Innovative approach to sustainable aquaculture and fisheries I : Fusion of molecular genetics and developmental biotechnology	12-Sep	16:30	18:00	Gallery ABCD	297	Kazuharu		Nomura	Genomic prediction for timing of metamorphosis in captive-bred Japanese eel (<i>Anguilla japonica</i>) using GRAS-Di genotyping method
	P9- 5	Innovative approach to sustainable aquaculture and fisheries I : Fusion of molecular genetics and developmental biotechnology	12-Sep	16:30	18:00	Gallery ABCD	309	Shikai		Liu	Selective breeding of the Pacific oyster for sustainable oyster aquaculture in China
	P9- 6	Innovative approach to sustainable aquaculture and fisheries I : Fusion of molecular genetics and developmental biotechnology	12-Sep	16:30	18:00	Gallery ABCD	324	Ryosuke		Yazawa	Production and characteristics of triploid eastern little tuna
	P9- 8	Innovative approach to sustainable aquaculture and fisheries I : Fusion of molecular genetics and developmental biotechnology	12-Sep	16:30	18:00	Gallery ABCD	031	Wataru		Kawamura	Tracking of xenogeneic transplanted bluefin tuna germ cells in surrogate mackerel using a specific monoclonal antibody
	P10- 3	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	23	Kohta		Unno	Heterologous production of new protease inhibitory peptide marinostatin E
	P10- 4	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	38	Yutaka		Tamaru	Construction of scFv antibody library in the lymph fluids of goldfish, Bubble Eye
	P10- 5	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	41	Yukino		Mizutani	Exploration of uncultured <i>Epsilonproteobacterium</i> in the gills of shallow-water invertebrates
	P10- 6	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	42	Won Je		Jang	Improvement of phytase by genetic fusion for use as an additive in plant-based feeds for aquaculture
	P10- 7	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	61	Ryuya		Matsuda	Production of indoleacetic acid by the epiphytic bacterium <i>Maribacter</i> sp. BPy-M1 isolated from the red alga <i>Pyropia yezoensis</i>
	P10- 8	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	82	Moeka		Uemura	Analysis of transcriptional regulator in antibiotic biosynthetic gene clusters of deep-sea-derived <i>Streptomyces</i> sp.
	P10- 9	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	84	Haruka		Yamazaki	The hunt for tetrodotoxin producers from the flatworm, <i>Planocera multitentaculata</i> .
	P10- 10	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	87	Daichi		Toyohara	Cell-penetrating-peptides potentially enhances biomolecule delivery in bacteria
	P10- 11	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	97	Maushmi	Shailesh	Kumar	Anti-Inflammatory Activity of selected Marine sponges from Ratnagiri coast
	P10- 14	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	171	Ana		Sosa Morfin	Functional and taxonomic diversity of microbial communities in microplastic particles from the Chesapeake Bay
	P10- 15	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	200	Joseph	Walker	Scott	Genetically characterizing the roles of two endopeptidases involved in the maturation of [NiFe]-hydrogenases of the hyperthermophilic archaeon <i>Thermococcus kodakarensis</i> .
	P10- 16	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	243	Akinori		Ando	A rare $\omega$ 3-PUFA, $\omega$ 3-docosapentaenoic acid, production by <i>Aurantiochytrium</i> sp. T7 strain
	P10- 17	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	250	Miki		Yamazaki	Tissue-specific gene expression analysis using micro-tissue-picking device
	P10- 18	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	268	Shodai		Hirobe	Development of high-throughput system for recombinant protein production using zebrafish
	P10- 19	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	269	Kiyotaka	Y	Hara	Astaxanthin production using <i>Xanthophyllomyces dendrorhous</i>
	P10- 20	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	271	Murakami		Yu	Establishment of a novel bioreactor system for transporting and accumulating foreign proteins in eggs with a vitellogenin signal in medaka <i>Oryzias latipes</i> .
	P10- 22	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	282	Yuki		Shibuya	Identification of factors hindering cell-penetrating peptide permeabilization
	P10- 24	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	296	Kyohei		Horio	<i>in situ</i> detection of mRNA toward fluorescence-labelled cells
	P10- 25	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	300	Sosei		Suzuki	Methods for Important Factor Extraction toward Water Quality Evaluation
	P10- 26	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	302	Mingli		Zhao	How is the genetic variation of a blue crab reovirus affected by geography and host life history?
	P10- 27	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	317	Hiroyuki		Okamoto	Evaluating the optimal timing of fish egg microinjection for genome editing
	P10- 28	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	323	Yoshimoto		Saito	Identification of cellulase genes from cellulase-producing bacterial strains isolated in the Red Sea
	P10- 29	Marine Microbiology and Biotechnology	12-Sep	16:30	18:00	Gallery ABCD	337	Shuwa		Yagi	Development of astaxanthin extraction method using its binding protein
	P11- 1	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	30	Jia		Lv	Development of genomic tools for systematic study of Pectinidae biology and evolution
	P11- 2	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	37	Chang-Wen		Huang	Cold-Tolerance SSR and SNP Markers Based on Transcriptomic Profiles in Taiwan <i>Tilapia</i> Strains
	P11- 3	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	48	Satoshi		Kawato	Genomic footprints unveil the evolution of obscure crustacean virus family
	P11- 4	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	62	Tzong-Yueh		Chen	Molecular assisted breeding using potential growth-related markers IGF2 for hybrid grouper ( <i>Epinephelus fuscoguttatus</i> X <i>Epinephelus lanceolatus</i> )
	P11- 5	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	73	Yoshihito		Nikaidou	Genomic analysis of psychrotrophic deep-sea bacterium <i>Pseudoalteromonas</i> sp. PS1M3
	P11- 6	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	94	Munetsugu		Bam	Vitellogenin accumulation in yolk during oogenesis in the simplest free living animal placozoans
	P11- 8	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	105	Xiaoting		Dai	Single-cell RNA sequencing of scallop ( <i>Mizuhopecten yessoensis</i> ) adult hemocytes and trochophora larva
	P11- 9	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	123	Milos		Havelka	Construction of linkage map and genome-based chromosome build in a new marine aquaculture species <i>kawakawa Euthynnus affinis</i>
	P11- 10	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	132	Masanori		Yonezawa	Comprehensive study on gut microbiome of sea urchin
	P11- 11	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	163	Chunqi		Jiang	Genomic comparison of <i>Halioticoli</i> clade species, family <i>Vibrionaceae</i>
	P11- 13	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	234	Keigo		Ide	Different host-endosymbiont relationships of <i>Endozoicomonas acroporae</i> with its coral host
	P11- 15	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	241	Ryohei		Nakaguro	Genomic comparison of coral symbiont and marine environmental
	P11- 17	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	248	Songlin		Chen	Progress and Prospect of Fish Genomic Research in China
	P11- 18	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	255	Ha	Thi Thu	Duong	Metagenomics identification of infection in swollen syphon of Vietnamese otter clam
	P11- 19	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	264	QIAN		ZHOU	A chromosome-level genome assembly of the giant grouper ( <i>Epinephelus lanceolatus</i> ) provides insights into its innate immunity and rapid growth
	P11- 21	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	277	Ziniu		YU	Comparative genome analysis provides evidences for the evolution of sessile life and asymmetrical shell of oysters
	P11- 22	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	281	Chiho		Homma	Effectiveness of blocking primer and PNA clamp for metabarcoding of herbivorous fish diet
	P11- 23	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	298	Takashi		Ishikawa	A validation study of genotyping by GRAS-Di sequencing method

Short Presentation	Poster No.	Session Name	Date	Start Time	End Time	Room	Abstract No.	First Name	Middle Name	Last Name	Title of Abstract
	P11- 24	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	321	Naoaki		Tsutsui	A transcriptomic search for genes encoding putative hormones expressed in the prawn ovary
○	P11- 26	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	328	Meijie		Yang	The responses of digestive tract microflora and digestive enzymes in <i>Rapana venosa</i> (Valenciennes, 1846) to different temperatures
	P11- 27	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	329	Tao		Zhang	Metamorphosis of the veined rapa whelk <i>Rapana venosa</i> : from morphological, transcriptomic and proteomic insight
○	P11- 28	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	022	Evan		Barba	AssessPool: a flexible pipeline for population genomic analyses of pooled sequencing data. A case study on salinity acclimation in tilapia.
○	P11- 29	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	036	Emily		Conklin	Seaname: A bioinformatics tool for the identification and analysis of shared regions across diverse genomes using high-throughput sequencing data
	P11- 30	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	038	Kelle		Freele	Approaches to understanding abundant microbial community members over time in Kane'ohe Bay, O'ahu
	P11- 31	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	040	Zhanjiang		Liu	Channel Catfish Y Chromosome Sequence and Involvement of BCAR1 in Sex Determination
○	P11- 32	Marine Genomics and Bioinformatics	12-Sep	16:30	18:00	Gallery ABCD	041	Dongya		Gao	Genome Sequence of Walking Catfish ( <i>Clarias batrachus</i> ) Provides Insights into Terrestrial Adaptation
○	P12- 1	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	53	Yuka		Narahara	Expression and characterization of recombinant radular teeth matrix protein 1 (RTMP1) from <i>Cryptochiton stelleri</i>
○	P12- 2	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	222	Tsubasa		Kimura	Crystal arrays with organic frameworks for structural colors of the sapphirinid copepods
○	P12- 3	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	223	So		Sugiyama	Variation of the mechanical properties of the crossed lamellar structures in the <i>Murex pecten</i> shell
○	P12- 4	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	266	Kosuke		Arai	Comparative Adsorption Study of Mms Proteins from Magnetotactic Bacteria to Metal Oxide Nanoparticles
○	P12- 5	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	267	Tomoya		Sato	Isolation of the bacteria forming lead sulfide nanoparticles
○	P12- 6	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	308	Mariom		.	Transcriptome analysis reveals stem cell marker genes expressed during the proliferation of mantle epithelial cells into pearl sac in the pearl oyster, <i>Pinctada fucata</i>
○	P12- 7	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	011	Kou		Yasumoto	Effect of polyamine transporter inhibitor on the pH increase in calcifying fluids of juvenile coral polyps possibly associated with calcification processes
	P12- 8	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	015	Michiko		Nemoto	Transcriptome and proteome analysis of non-model diatom species toward understanding of silica biomineralization
○	P12- 9	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	024	Shihori		Iwamoto	Identification of organic matrices regulating the thin platy calcite crystals in the chalky layer of <i>Crassostrea gigas</i>
○	P12- 10	Biogenic Materials and Mineralization	12-Sep	16:30	18:00	Gallery ABCD	025	Ryo		Yamaguchi	Identification of key factors increasing Mg <sup>2+</sup> concentration in calcium carbonate from sea urchin, <i>Heliocidaris crassispina</i> .
	P14- 1	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	46	Md Tawheed		Hasan	Ratio specific mixtures of <i>Bacillus</i> sp. SJ-10 and <i>Lactobacillus plantarum</i> enhance growth, and cellular and humoral immunity with infectious disease protection in olive flounder ( <i>Paralichthys olivaceus</i> )
○	P14- 2	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	66	Reiko		Watanabe	Optimum biomass ratios in aquaponics of Japanese eel ( <i>Anguilla japonica</i> ) and Chinese water spinach ( <i>Ipomoea aquatica</i> )
○	P14- 3	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	93	Yuto		Ushiro	Opsin gene analysis and the effect of light wavelength on feeding and surface death in larval Pacific bluefin tuna ( <i>Thunnus orientalis</i> )
	P14- 4	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	102	Jen-Leih		Wu	Changes in intestinal microbiota composition and cold tolerance in omega-3 enriched tilapia
○	P14- 5	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	134	Binh	Trong	Phan	Evaluation of light-emitting diode irradiation on the inhibitory effect against fish pathogens
○	P14- 6	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	141	Yuki		Hayami	Inhibitory effects against pathogenic <i>Vibrio</i> by enrichment of <i>Lactococcus lactis</i> strain K-C2 on <i>Artemia</i>
○	P14- 7	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	145	Noriyuki		Tai	Effect of complete fishmeal-free diet with lipid-extracted residue derived from a thraustochytrid <i>Aurantiochytrium</i> sp. mem0039 on growth and body composition of Japanese flounder ( <i>Paralichthys olivaceus</i> )
	P14- 8	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	194	Naoki		Kabeya	Genes for EPA and DHA biosynthesis are present in the harpacticoid copepod <i>Tigriopus californicus</i>
○	P14- 9	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	201	Yoshiyuki		Matsushita	Structural basis of the trifunctionality of fatty acid desaturase in the freshwater sole <i>Brachirus villosus</i> from Papua New Guinea
	P14- 10	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	258	Jun		Kikuchi	Predictive modeling of red-tide and fish growth by analytical big-data with machine-learning computation
	P14- 11	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	259	Jie		Feng	Changes in trophic structure and ecosystem function of a <i>Portunus trituberculatus</i> polyculture ecosystem over different culture periods
	P14- 13	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	294	Taiga		Asakura	Evaluation of fish growth stages from metabolic dynamics of NMR data science
○	P14- 14	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	307	Chinh	Thi My	Dam	The impact of raw material selection on apparent digestibility, the gut microbiome and the expression of digestive enzyme-encoding genes in Yellowtail Kingfish <i>Seriola lalandi</i> .
	P14- 15	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	312	Kengo		Ito	Long-Term Forecast Modeling of Red Tide and Visualizing Complex Environmental Causal Network using Discontinuous Analytical Big-Data
	P14- 16	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	341	Jenn-Kan		Lu	AIOT and biotechnology for development of precision aquaculture
	P14- 17	Innovative approach to sustainable aquaculture and fisheries II : New trends of feed nutrients and pre/probiotics for sustainable aquaculture	12-Sep	16:30	18:00	Gallery ABCD	017	Hajime		Nakatani	Analysis of the skin bacterial flora of trout in fish farm