

## Conference Program

<b>November 5<sup>th</sup>, 2019, Tuesday</b>			
9:00-22:00	Registration		
16:00-18:00	Committee meeting of the World Oyster Society		
<b>November 6<sup>th</sup>, 2019, Wednesday</b>			
8:30-9:30	Opening ceremony	Chair: Qi Li	
<p>Welcome speech delivered by leader of Ocean University of China</p> <p>Speech delivered by Deputy Dean of Chinese Academy of Fisheries Science</p> <p>Speech delivered by Deputy Director from Shandong Provincial Department of Agriculture and Rural Affairs</p> <p>Speech delivered by Deputy Director from Qingdao Municipal Marine Development Bureau</p> <p>Speech delivered by Mayor of Rushan municipal government</p> <p>Speech delivered by President of China Society of Fisheries</p> <p>Speech delivered by President of China Aquatic Products Processing and Marketing Alliance</p> <p>Speech delivered by President of the World Oyster Society</p>			
9:30-10:00	Group photo, Tea Break		
10:00-11:30	Session 1	Chair: Shikai Liu	
10:00-10:30	Qi Li	Ocean University of China	Selective breeding of a new strain of the Pacific oyster "Haida No. 3"
10:30-11:00	Dennis Hedgecock	Southern California University	Sustaining oyster aquaculture through genetic improvement
11:00-11:30	Nori Satoh	Okinawa Institute of Science and Technology Graduate School University	The Pearl Oyster Genome: Present and Future
11:30-12:00	Ximing Guo	Rutgers University	Diversity and evolutionary history of oysters
12:00-13:30	Lunch, 2nd floor cafeteria, Qingdao Huang Hai Hotel		
13:30-15:20	Session 2:	Chair: Ximing Guo	
13:30-14:00	Ziniu Yu	South China Sea Institute of Oceanology, CAS	Aquaculture and Research of the Oysters in Southern China: Field Studies and Laboratory Works
14:00-14:20	Thiyagarajan Vengatesen	The University of Hong Kong	Acclimation and epigenetic adaptation of Chinese edible oysters to

			ocean acidification implications on aquaculture
14:20-14:40	Haiyan Wang	Institute of Oceanology CAS	Common oysters and their distribution in China
14:40-15:00	Hiroshi Kaneko	Japan Biosciences Co., Ltd.	The establishment of comprehensive inspection system of norovirus contamination in oyster
15:00-15:20	Katsuya Kuroki	Watanabe Oyster Laboratory, Japan	LC-MS/MS analysis of neurotoxic shellfish poison (NSP) in a jelly containing oyster meat extract
15:20-15:40	Christine Crawford	IMAS University of Tasmania	Impact and recovery of pacific oysters ( <i>Crassostrea gigas</i> ) from OSHV-1 virus in southern Australia
15:40-16:00	Tea Break		
16:00-17:50	Session 3: Chair: Ziniu Yu		
16:00-16:30	Li Li	Institute of Oceanology, CAS	An oyster molecular breeding case targeting to improve the nutrient traits
16:30-16:50	Young-Mao Chen	National Taiwan Ocean University	Overview of oyster aquaculture in Taiwan
16:50-17:10	Jie Meng	Institute of Oceanology, CAS	Molecular mechanism for Zn and Cd accumulation and toxicity in
17:10-17:30	Yang Zhang	South China Sea Institute of Oceanology, CAS	Comparative genome analysis provides evidences for the evolution of sessile life and asymmetrical shell of oysters
17:30-17:50	Tsuyoshi Yoda	Hirosaki Industrial Research Institute, Japan	Development of rapid analysis on minerals in oysters
17:50-18:10	Fan Mao	South China Sea Institute of Oceanology, CAS	Phagosomal proteomics to study invertebrate phagocytosis in <i>Crassostrea gigas</i>
18:30-20:30	Conference banquet		
<b>November 7<sup>th</sup>, 2019, Thursday</b>			

8:30-10:00	Session 4: Chair: Dennis Hedgecock		
8:30-9:00	Bernard Degnan	University of Queensland	Genomics of Shell and Pearl Biomineralization
9:00-9:30	Qinggang Xue	Zhejiang Wanli University	Two protein families in oysters and their indications for molluscan research using omics approaches
9:30-10:00	Chris Langdon	Oregon State University	Taming the Pacific oyster <i>Crassostrea gigas</i> in the “Wild West”, USA
10:00-10:20	Tea Break		
10:20-12:00	Session 5: Chair: Chris Langdon		
10:20-10:50	Mitsugu Watanabe	Watanabe Oyster Laboratory, Japan	Compendium of materia medica: an international reference for nutritional and pharmacological studies on oyster meat
10:50-11:10	Tim Bean	The Roslin Institute, University of Edinburgh	Disease and Resistance in the UK oyster industry
11:10-11:30	Shikai Liu	Ocean University of China	Fine-scale genetic dissection of growth trait toward genetic integrated breeding in the Pacific oyster, <i>Crassostrea gigas</i>
11:30-11:50	Yibing Liu	Liaoning Ocean and Fisheries Science Research Institute	Development of larvae cryopreservation technique in pacific oyster ( <i>Crassostrea gigas</i> ) and investigation of cryodamage on the larvae quality
11:50-12:10	Keisuke Takahashi	Tohoku University	Characteristics of plasma major proteins in the Pacific oyster ( <i>Crassostrea gigas</i> )
12:10-13:30	Lunch, 2nd floor cafeteria, Qingdao Huang Hai Hotel		
13:30-15:20	Session 6: Chair: Qinggang Xue		
13:30-14:00	Qiang Hu	Microalgal Biotechnology Center, SDIC Biotech Investment Corporation	Advanced microalgal mass culture technology may contribute to a sustainable and growing shellfish farming industry

14:00-14:20	Jilin Xu	Ningbo University	General supply technology of bait microalgae in the seed breeding process of Chinese bivalves
14:20-14:40	Chengwu Zhang	Jinan University	Biodiversity of microalgae and its multiple application in aquaculture
14:40-15:00	Jia Jing	Microalgal Biotechnology Center, SDIC Biotech Investment Corporation	Assessment of a commercial dried microalgae based diet for bivalve molluscs
15:00-15:20	Narumi Aramaki	Watanabe Oyster Laboratory, Japan	Onset and resolution of depression-like behavior in rats fed a low zinc diet
15:20-15:40	Tea Break		
15:40-18:15	Session 7: Chair: Tim Bean		
15:40-15:55	Yuan Meng	The Third Affiliated Hospital of Guangzhou Medical University	Calcium carbonate unit realignment under acidification
15:55-16:10	Chenyang Yue	Ocean University of China	Gonad Transcriptome Analysis of the Pacific Oyster <i>Crassostrea gigas</i> Identifies Potential Genes Regulating the Sex Determination and Differentiation Process
16:10-16:25	Xin Dang	The University of Hong Kong	Autophagy induction by energy and oxidative stress contributes to protect hemocytes after infection via AMPK pathway in <i>Crassostrea hongkongensis</i>
16:25-16:40	Youlin Liu	Institute of Oceanology, CAS	The underlying molecular mechanism of thermal tolerance in oyster—regulatory relationship between <i>hsf1</i> and <i>hsp</i>
16:40-16:55	Ziqiang Han	Ocean University of China	Mendelian inheritance of orange shell color in the

			pacific oyster ( <i>Crassostrea gigas</i> )
16:55-17:15	Hamze Ghaffari	Institute of Oceanology, CAS	Thermotolerance divergence revealed by the physiological and molecular responses in two oyster subspecies in china
17:15-17:30	Xiangyu Zhang	South China Sea Institute of Oceanology, CAS	The critical role of chloride ion influx in phagocytosis and bactericidal activity in <i>Crassostrea gigas</i>
17:30-17:45	Sai Wan	Ocean University of China	Estimating heritability for meat composition traits in the golden shell strain of Pacific oyster ( <i>Crassostrea gigas</i> )
17:45-18:00	Yue Lin	South China Sea Institute of Oceanology, CAS	Transcriptomic analyses the molecular mechanism of hemocyte-mediated phagocytosis in <i>Crassostrea hongkongensis</i>
18:00-18:15	Yanping Qin	South China Sea Institute of Oceanology, CAS	A comparative analysis of growth, survival and reproduction of <i>Crassostrea hongkongensis</i> , <i>C. Ariakensis</i> , and their diploid and triploid hybrids
18:15-18:30	Closing ceremony、 Awarding for the Young Investigator Award		
18:45-20:30	Dinner		
<b>November 8<sup>th</sup>, 2019, Friday</b>			
08:00 –17:00	Sub-Conference at Rushan, Weihai, for oyster industry.		