

## **Plenary Speakers:**

### **Day 1 (11/6/2019)**

1. **Prof. Gui-Bin Jiang**, State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences, China

*Talk Title: High-throughput identification and prioritization of ToxCast chemicals by liquid chromatography-mass spectrometry*

2. **Ms. Aimee Gonzales**, Executive Director, United Nations' Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)

*Talk Title: Coastal eutrophication, hypoxia, harmful algae blooms and algal toxins: Experience in the Philippines through the rehabilitation of Manila Bay and Boracay*

3. **Prof. Joseph Lee**, The Hong Kong University of Science and Technology, Hong Kong, China

*Talk Title: An early warning system for algal blooms and red tides*

## **Keynote Speakers:**

### **Day 1 (11/6/2019)**

1. **Prof. Jian-Ying Hu**, Peking University, China

*Talk Title: Ecological toxicity of organophosphorus flame retardants*

2. **Prof. Paul K. S. Lam**, State Key Laboratory of Marine Pollution (City University of Hong Kong), Hong Kong, China

*Talk Title: Ecotoxicological evaluation and risks of emerging chemicals of concern in coastal regions of South China*

### **Day 2(12/6/2019)**

3. **Prof. Jong Seong Khim**, Seoul National University, Korea

*Talk Title: Repaid recovery of coastal ecosystem affected by the Hebei spirit oil spill*

4. **Prof. Donald Anderson**, Woods Hole Oceanography Institution, MA, USA

*Talk Title: In situ HAB observations with biosensors: Progress towards an autonomous, adaptive regional observing network for multiple HAB species and toxins*

5. **Prof. Warren Burggren**, University of North Texas, TX, USA

*Talk Title: Developmental plasticity, epigenetics and evolution: Implications for pollution and toxicology*

- 6. Prof. Daniel Schlenk**, University California Riverside, CA, USA

*Talk Title: Use of microRNA and mRNA analyses to identify novel modes of action of environmental contaminants to early life stage fish*

- 7. Dr. Carlie LaLone**, U.S. Environmental Protection Agency, USA

*Talk Title: Adverse outcome pathways: Creating a sustainable framework for decision-making*

- 8. Prof. Xiao-wei Zhang**, Nanjing University, China

*Talk Title: Ecological adverse outcome pathways of stressors - Connecting prediction and the field*

### **Day 3 (13/6/2019)**

- 9. Dr. Michael Warne**, University of Queensland, Australia

*Talk Title: Predicting the toxicity of mixtures of up to 22 pesticides in waters discharged to the Great Barrier Reef, Australia*

- 10. Prof. Hisato Iwata**, Ehime University, Japan

*Talk Title: Ecotoxicology of aquatic mammals: In vitro and in silico approaches to predict the chemical-induced disruption of nuclear receptor signalling pathways*

- 11. Prof. Alistair Boxall**, University of York, UK

*Talk Title: The global problem of pharmaceutical pollution*

- 12. Prof. Guang-guo Ying**, South China Normal University, China

*Talk Title: Steroid hormones induce fish masculinization in the environment*

- 13. Prof. Jörundur Svavarsson**, University of Iceland, Iceland

*Talk Title: Environmental challenges at high latitudes of the North Atlantic Ocean*

- 14. Dr. Katherine Dafforn**, Macquarie University, Australia

*Talk Title: Coastal cities: Monitoring and managing urban impacts below the waterline*

### **Day 4 (14/6/2019)**

- 15. Prof. Kenneth M. Y. Leung**, The University of Hong Kong, Hong Kong, China

*Talk Title: Putting “eco” into ecotoxicology: A revisit*

- 16. Prof. Stephen Hawkins**, University of Southampton, UK

*Talk Title: Recovery of an urbanised estuary: Clean-up, de-industrialisation and restoration of redundant dock-basins in the Mersey*

**17. Dr. Martin Thiel**, Universidad Catolica del Norte, Chile

*Talk Title: Marine litter and citizen science: An opportunity*

**18. Mr. Murray Fisher**, Co-Founder of the Billion Oyster Project, New York, NY, USA

*Talk Title: Billion Oyster Project: Engaging New York City in restoring its marine ecosystem*

### **Invited Speakers:**

#### **Greater Bay Area Research Collaboration**

**1. Dr. Leo Chan**, State Key Laboratory of Marine Pollution (City University of Hong Kong), Hong Kong, China

*Talk Title: Marine biotoxins: From poison to potion*

**2. Prof. Yang-Fan Li**, Xiamen University, China

*Talk Title: Coastal land-water-biodiversity nexus and resilience-based management in Guangdong-Hong Kong-Macao Greater Bay Area*

**3. Prof. Yu-Ping Wu**, Sun Yat-Sen University, China

*Talk Title: Health effects and mechanisms of exposure to environmental contaminants in marine cetaceans from the Pearl River Estuary, China*

#### **Aquatic Toxicology**

**4. Prof. Jae-Seong Lee**, Sungkyunkwan University, Korea

*Talk Title: The genome of rotifer, copepod, and marine medaka: A potential use for molecular ecotoxicology and mechanistic study*

**5. Prof. Aswani Volety**, University of North Carolina at Wilmington, NC, USA

*Talk Title: Impacts of Deepwater Horizon oil and dispersants on various life stages of oysters *Crassostrea virginica**

**6. Prof. Bing-sheng Zhou**, Institute of Hydrobiology, Chinese Academy of Sciences, China

*Talk Title: Disruption of thyroid hormone homeostasis and lipid metabolism by exposure to novel brominated flame retardants (NBFRs)*

#### **Plastics Pollution**

**7. Dr. Eric P.M. Grist**, University of Sheffield, UK

*Talk Title: Marine Plastics Pollution: A geostatistical approach for joint prioritization of multiple stakeholder perspectives in Hong Kong*

**8. Prof. Hua-Hong Shi**, East China Normal University, China

*Talk Title: Microplastics in mussels and the indication for coastal microplastic pollution*

**9. Dr. Elvis Genbo Xu**, McGill University, Canada

*Talk Title: Transgenerational effects of polystyrene nanoplastics on freshwater crustacean daphnia*

### **Ecological responses to pollution**

**10. Dr. Halldór Halldórsson**, University of Iceland, Iceland

*Talk Title: Marine biological invasions at high latitudes in the North Atlantic: Overview and case studies from Iceland*