

Keynote Speakers



Dr Wayne O' Connor, NSW Department of Primary Industries, Australia.

Molluscan biology, physiology and culture

"The Changing Face of Oyster Culture in Australia"

Dr O' Connor is a Senior Research Scientist at the New South Wales Department of Primary Industries' Port Stephens Fisheries Centre. His undergraduate studies were undertaken at Newcastle University and he received his PhD from University of Technology, Sydney, working on aspects of scallop physiology and reproductive biology. He has over 20 years experience in Aquaculture research and has worked on a variety programs including algal culture and the development of propagation techniques for a number of molluscs such as oysters (edible and pearl), scallops, mussels and clams. Currently, Dr O' Connor leads molluscan research programs that range from the development of selective breeding techniques and triploid induction to environmental impact and ecotoxicological evaluations. Dr O' Connor is an editor for the journal Aquaculture and the author of over 45 peer reviewed publications (papers and book chapters), and 70 other publications in conference proceedings, reports and magazines. He has worked internationally on behalf of the Australian Centre for International Agricultural Research and has conducted program reviews for the Australian, Israeli, US and Singaporean Governments. He is a member of several international molluscan and aquaculture societies and currently sits on research and advisory committees for edible oyster and pearl oyster research.



Dr René Robert, Ifremer, Laboratoire de Physiologie des Invertébrés Marins, Station Expérimentale d' Argenton, France.

Molluscan biology, physiology, hatchery/nursery

"Effect of Transitory Starvation on *C. gigas* Larval Development and Physiological Indices Evolution"

Dr R. Robert is a Senior Research Scientist at the Laboratory of Invertebrate Physiology in Ifremer Brest (Brittany, France). He is the manager of the molluscs experimental station of Argenton. His undergraduate studies were undertaken at Brest University and he received his PhD from University of Western Brittany, working on *C.gigas* reproduction and spatfall disturbance in the Bay of Arcahon. Since his accreditation to Supervise Research he manages regularly PhDs and postdoc. He has over 25 years experience in Aquaculture research and has been involved on a different programs including ecotoxicological evaluations, ecology of oyster larvae with a particular focus on their feeding requirements. He has also worked on the propagation of techniques for different bivalves such as oysters (cupped and flat), scallops (*Chlamys varia*, *Pecten maximus*, *Patinopecten yessoensis*) and clams. Currently Dr R. Robert is a project leader of a program whose objective is the mollusc hatchery production mastering. He is the author of over 70 peer reviewed publications and other 70 other publications in conference proceedings, reports and magazines and is an European expert in aquaculture. He developed international links with Australia, New Zealand and Canada through bilateral cooperation and Italy, Spain, Holland and Norway through European projects.



Dr. Alan Trimble, University of Washington.

Estuarine ecology, Oyster ecology

"History and Current Status of Worldwide Oyster Introductions"

Dr. Alan Trimble is a lecturer at the University of Washington. His undergraduate studies were completed at the University of California at Santa Cruz, and he received his PhD in Zoology from the University of Washington. He teaches ecology, invertebrate zoology and introductory biology. Dr. Trimble's research concerns experimental community ecology in estuarine systems. He is particularly interested in the interactions between introduced species and native oysters in Washington (USA) coastal estuaries.



Dr Mitsugu Watanabe, Watanabe Oyster Laboratory, Japan.

Nutritional physiology, Clinical nutritional science

"Effects of Oyster on the Health of Mankind"

Dr. Mitsugu Watanabe is a senior research scientist at the Watanabe Oyster Laboratory in Tokyo, Japan. He earned his bachelor's degree from Nippon Veterinary and Life Science University and his Ph.D. in nutritional physiology from the Tokyo University of Agriculture.

Dr. Watanabe currently serves as an academic adviser at the Oyster Research Division of Beijing University Hospital in China. He has conducted joint research at this institution for 16 years and is the author of at least 10 published papers. His research has primarily focused on investigating the components of "oyster meat" listed in the historical Chinese herbal manual Ben Cao Gang Mu, as well as assessing the nutritional, physiological and clinical nutritional properties of oysters. Dr. Watanabe also has a strong interest in medical healthcare, particularly healthcare management, and has served as a medical health advisor at Beijing University Hospital; in 1998, he received an award for his contributions to education from Beijing University. Presently, Dr. Watanabe serves as a councilor for the Oyster Research Institute, an incorporated foundation under the management of the Ministry of Education, Culture, Sports, Science and Technology of Japan. As a pupil of Prof. Katsuyoshi Mori, President of the World Oyster Society, Dr. Watanabe is also highly active in the promotion of the "oyster culture" throughout the world.



Dr. Xinzhong Wu, Zhejiang University, China.

Pathology and immunology of marine fish and shellfish

"A review on major diseases of oysters under culture and new progress of disease-resistance research as well as the current situation of oyster culture in China"

Dr. Xinzhong Wu graduated in Third Military Medical University of PLA and Chongqing University of Medical Sciences (Bachelor and Master Degree in Medicine in 1983 and 1987, respectively). He received his PhD from Zhongshan University in 1995. Associate Research Professor, Research Professor in South China Sea Institute of Oceanology, CAS from 1996 to 2003 and Vice Director of MBRS of CAS (2001 to March, 2003). At present, Professor and Director, Laboratory of Marine Life Science and Technology, College of Animal Sciences, Zhejiang University. The main research works include pathology and immunology of marine fish and shellfish. He has about 15 years experience in above fields. He has published a series of papers in Developmental and Comparative Immunology, J. of Biotechnology, Fish and Shellfish Immunology, J. of Invertebrate Pathology, Aquaculture, J. of Fish Diseases, Diseases of Aquatic Organisms and so on. He is now an advisory specialist of Chinese Association of Sciences and Technology, the Councilor of Federation of Asian Biotech Associations (FABA), Chairman of the China Chapter (2006-), Member of Steering Committee of the WOS (2007-), Councilor of the Chinese Society of Oceanography (2005-), Councilor of the China Society of Fisheries (2005-), etc. He was an Organizer of the Second International Symposium on Cage Aquaculture in Asia in July 2006, key speaker of BioAsia 2007 in Feb., 2007 and Editor-in Chief in Proceedings Book of CAA2.