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Huarong Guo

Ocean University of China, China

In vitro cell culture of marine invertebrates: Problems and perspectives

In vitro cultured animal cells have provided us a very powerful tool to study virology, molecular biology, cell biology and immunology, etc. In contrast to mammalian, fish and insect where the development of a variety of cell lines has become routine, the establishment of cell lines from marine invertebrates has been encountered with big obstacles, and there is no single established cell line from marine invertebrates reported. This talk reviews the advances, problems and perspectives in the field of marine invertebrate cell cultures.

Biography

Huarong Guo has completed her PhD from Institute of Oceanology, Chinese Academy of Sciences, China and Post-doctoral studies from University of South Carolina, USA. She set up her own lab in College of Marine Life Sciences, Ocean University of China in 2011 and focus on "The development of continuous cell lines from the adult tissues and early embryos of economically important penaeid shrimps". She has been an executive council member of Shandong Society for Cell Biology (China) since 2014 and published more than 26 papers in reputed journals.

huarongguo@ouc.edu.cn