

# 鍾至青 副教授 海洋微生物分子生態研究室



學歷：國立台灣海洋大學 海洋生物研究所 理學博士

經歷：國立臺灣海洋大學 研究發展處 研究船船務中心主任  
國立臺灣海洋大學 海洋環境與生態研究所 副教授  
國立台灣海洋大學 海洋環境與生態研究所 助理教授  
美國伍茲霍爾海洋研究中心 客座研究員

研究領域：藻類分子生理學、海洋微生物生態學、海洋生物技術

## 研究內容：

- 我的主要研究興趣是應用新穎的分子生物學工具（例如：高通量基因定序平台與分析技術）來研究全球環境變化對海洋植物性浮游生物生態的影響。我目前的工作是調查（1）台灣周邊海域海洋植物性浮游生物的種群組成和動態；（2）海洋植物性浮游生物因應外界緊迫環境的細胞分子調控機制。

### Sampling



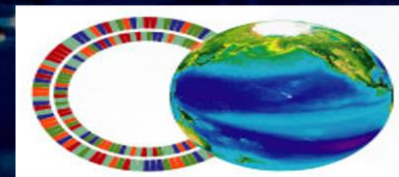
### Community Composition of Plankton



### Gene Expression



### High Throughput Gene Sequencing



Elucidation of the interaction between microbial ecology and biogeochemical cycles

# Chih-Ching Chung, Associate Professor

## Laboratory of Marine Microbial Ecology



### Education :

- Inst. of Marine Environmental Chemistry and Ecology, National Taiwan Ocean University (Ph.D.)

### Professional experience :

- Director, Center for Research Vessel Management, NTOU
- Associate Professor., Institute of Marine Environment and Ecology, NTOU
- Assistant Professor, Institute of Marine Environment and Ecology, NTOU
- Guest Investigator, Woods Hole Oceanographic Institution, USA

### Expertise :

Phycology, Microbial Ecology, Marine Biotechnology

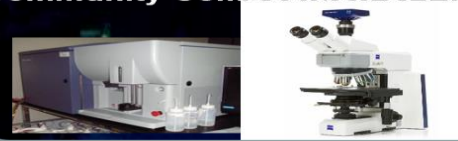
### Research interest :

- My main research interests are to apply novel molecular biology tools (e.g. high-throughput sequencing platforms) to study effects of environmental changes on phytoplankton ecology. My current works are investigating (1) the population composition and dynamics of phytoplankton in the seas surrounding Taiwan; (2) the regulatory mechanism of stress surveillance of phytoplankton.

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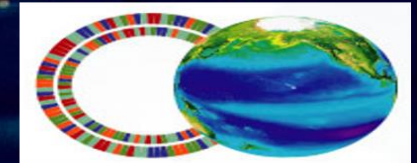
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