E&B Seminar Series

SCHOOL OF BIOLOGICAL SCIENCES THE UNIVERSITY OF HONG KONG 香港大學生物科學學院

SHKU Science

ECOLOGY & BIODIVERSITY

Understanding population resilience of blue carbon ecosystems under global change

Date	**20 Sep (Fri.)**
Time	**16:00 (UTC+8)**
Venue	**3N-01 & Zoom**

You can also email us to require the Zoom link (check SBS website → NEWS & EVENTS)

Despite being one of the most important and valuable habitats globally, contributing to climate mitigation, seagrass meadows are also among the most threatened due to anthropogenic impacts. It is not enough to restore and conserve seagrass meadows, we also need to understand whether these populations will be resilient to intensifying climatic extremes globally, such as marine heatwaves (MHW). By simulating a MHW, we were able to explore the photophysiological and molecular responses of two seagrass populations from different thermal environments and consider if these populations employ different stress and recovery responses due to local adaptation or adaptive divergence.

Dr Katie Watson is now a Postdoctoral Fellow at HKU, and her research aims to explore how to effectively restore seagrass meadows using mariculture, physio-logical studies, remote sensing, habitat suitability modelling and genomic techniques. Katie is the co-leader of the IUCN Seagrass Species Specialist Group, and she is in partnership with WWF and The Nature Conservancy.

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