

HKB Distinguished Seminar series cum International Workshop on *Deep Sea Biology*



Megafauna Community at Site F Seep of the South China Sea



30 March 2022 (Wednesday)
2:00 – 3:00 pm (GMT +8, HK Time)

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Expertise: Marine Ecology

Abstract: In the deep-sea cold seeps, the reductive fluids nourished a broad group of taxa are generally characterized with a vast biomass and dominated by large symbiont-bearing invertebrates. Cold seep at site F (also known as Formosa Ridge) is one of two active seep sites now in the South China Sea. With the help of ROV *Faxian*, we conducted a series of multi-disciplinary field investigations, further our understanding of megafauna community at this cold seep. In my talk, I will introduce megafauna community features associated with seeps include species, biomass and distribution. In particular, I will describe how our deep-sea in-situ toolkits have facilitated the understanding of the host-symbiont interaction of the dominant invertebrates and their contributions in the deep-sea biochemical cycles.



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