

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



## *Frontiers in Biodiversity, Dynamics and Management of Methane Seeps*



6 April 2022 (Wednesday)  
10:00 – 11:00 am (GMT +8, HK Time)

**Prof. Lisa Levin**

Professor,

Scripps Institution of Oceanography, USA

*Expertise: Deep-Sea Oceanography and Climate Change*

### Abstract:

Recent exploration and study have identified methane seeps on new margins, in new settings, and with new species. Here I describe research on the ecology and dynamics of Pacific seep macrofauna on hard and soft substrates, and advances in understanding of their trophic structure, resource partitioning, and novel symbioses. This work has identified a continuum of seep configurations, chemotones, ecosystem services and climate vulnerability, yielding an unexpected sphere of influence, with implications for management on continental margins.



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