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Evolutionary Genetics and Genomics

Strengthening Pandemic Preparedness and Driving One Health Research in Sarawak Auditorium



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Time: 2026. 11. 13 Fri. 10:30

Venue: Auditorium, 1st Floor
Interdisciplinary Research Building
跨領域科技研究大樓1樓演講廳

Host: Dr. Meiyeh Jade Lu 呂美曄研究技師

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Abstract

What does it take to be ready for the next outbreak before it arrives? For the Sarawak Infectious Disease Centre (SIDC), the answer starts at home. Funded by the Sarawak Government, SIDC is a purpose-built research, development and commercialisation institute dedicated to tackling infectious diseases through rigorous science and biomedical industry development. Its work rests on four core pillars, namely fundamental and applied research, surveillance and epidemiology, diagnostics innovation, and therapeutics development. Together, these pillars share a single mission to build local resilience and strengthen pandemic preparedness in Sarawak.

To deliver on this mission, SIDC places One Health research at the heart of its work, harnessing cutting-edge multi-omics tools to understand Sarawak's diverse population and its relationship with endemic diseases, while building the surge capacity needed to respond swiftly to future outbreaks. In today's seminar, we will briefly introduce SIDC and show how the institute uses long-read genomics technology to address current health challenges, then share a glimpse of the exciting opportunities ahead.