

Introducing 5-Base WGS-WGBS Sequencing Technology: A New Era of Dual-Omic Genomics

Jointly hosted by TCGB/JCCC GSR & JCCC BASE

- Illumina's 5-Base technology delivers a powerful dual-omic solution by enabling simultaneous whole-genome sequencing (WGS) and whole genome bisulfite sequencing (WGBS) in a single assay.
- Unlike conventional bisulfite workflows, which convert unmethylated cytosines, often degrade DNA, and reduce library complexity, the 5-Base enzymatic technology selectively converts methylated cytosines while preserving sequence complexity and overall DNA integrity.
- This streamlined approach improves data quality, reduces sequencing cost, and saves significant hands-on and analysis time.



Date: Friday, December 19, 2025



Time: 11:00 AM – 12:00 PM



Zoom Link : [Zoom Link](#) (Meeting ID: **715 737 7044**, Password: **456123**)



Featured Speakers:

XInmin Li, PhD

Professor,
Department of Pathology and Laboratory
Medicine, UCLA

Kasey Rodgers

Sr. Sequencing Specialist
Illumina