



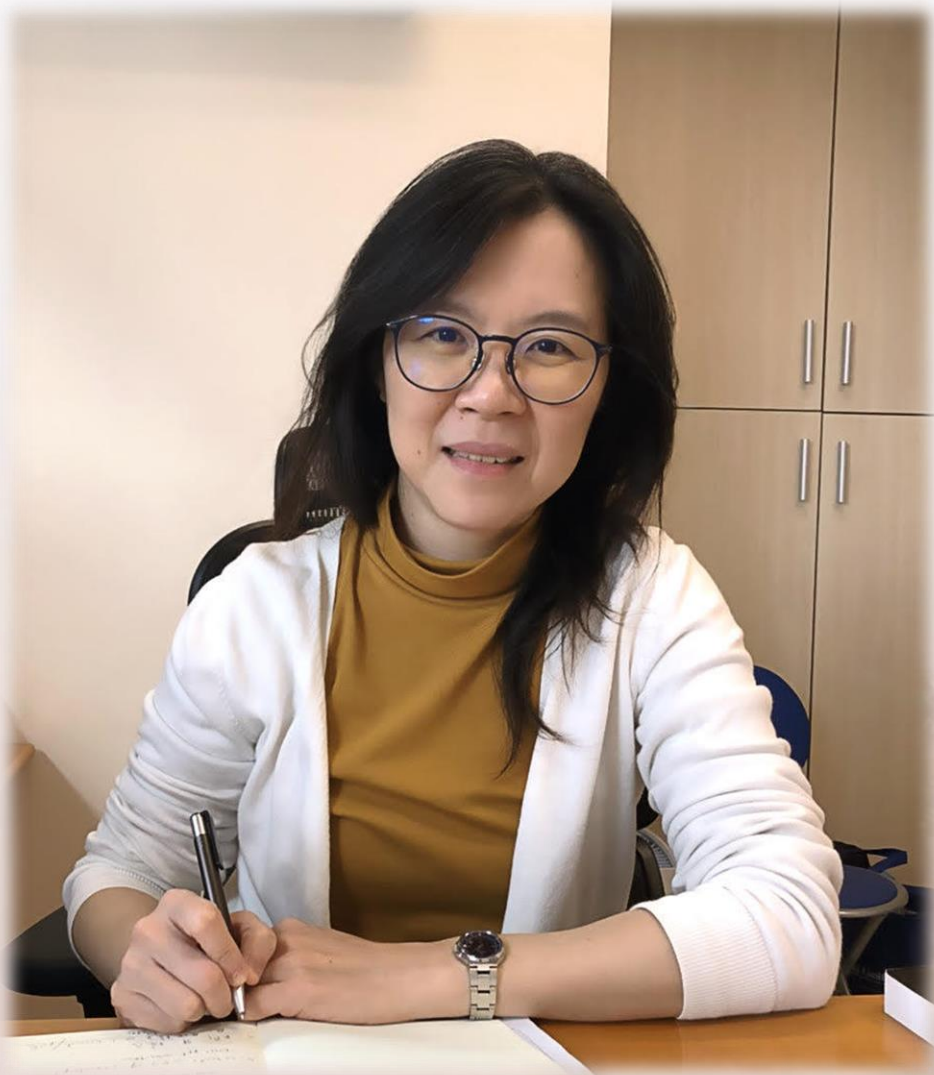
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Evolutionary Genetics and Genomics

What Can the NGS High Throughput Genomics Core Do for You?



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Time: 2020. 11. 19 Thu. 15:00

Venue: Auditorium, 1st Floor

Interdisciplinary Research Building

跨領域科技研究大樓1樓演講廳

Host: Dr. John Wang 王忠信副研究員



Abstract

New generations of high throughput sequencing have revolutionized genomic researches and greatly advanced the applications. The technologies have diversified greatly, proving wide scope for many aspects of biological researches.

The NGS High throughput Genomics Core at Biodiversity Research Center supports campus-wide researches with up-to-date NGS technologies. My goal for the core is to provide professional consultation and high-quality research service with centralized NGS platforms in a user-friendly environment, and rapidly adapting to technology advancement. To help bring out the best for the projects, we apply various NGS tools and know-how, and our experienced staff team up with users for customizing new methods to fit the unique needs of the projects.

Our facility houses both 2nd-Gen (Illumina) and 3rd-Gen platforms (PacBio and Oxford Nanopore). Through various NGS applications and customized experimental design, we have provided services to many labs within as well as outside of Academia Sinica, contributing to many publications from all the sequencers we have.

In this presentation I will explain our capacity and what the NGS core may be able to do for you, including choices of applications, project design consultation, single/hybrid sequencing approaches, and what advanced application have been recently established for consideration.