



BIOLOGY COLLOQUIUM

Friday, 15 September 2017 | 4pm | DBS Conference Room 1

Hosted by Prof Gong Zhiyuan

Evolving an evolutionary genomics program: from dog evolution to cancer



Weiwei is a Senior Research Scientist (PI) from the Genome Institute of Singapore. Weiwei was trained as an evolutionary geneticist with a Ph.D in Population Genetics from University of California at Berkeley. He used to study organismal evolution (e.g. Human and dogs). In the past few years, he has specialized in studying the origin of intra-tumor heterogeneity in liver and lung cancers. By employing approaches from evolutionary genetics, he is trying to link the level of tumor heterogeneity to patient clinical trajectories and treatment responses

By Zhai Weiwei

Senior Research Scientist, Genome Institute of Singapore.

As a basal branch of biology, evolutionary genetics focused on understanding species evolution using a wide variety of approaches. In the past few years, I have transitioned from studying organismal evolution, especially domesticated animals, to the study of somatic cells.

In this presentation, I will use domesticated dogs and liver cancer as two examples illustrating to you how this branch of science evolves in the light of Singapore.