研究區(通告)

摘要：高雄長庚研究區舉辦『Computational Cancer Research in Clinical and Genomic Perspectives』專業訓練，請踴躍參加!

一、主旨：高雄長庚研究區舉辦『Computational Cancer Research in Clinical and Genomic Perspectives』專業訓練，請踴躍參加！

二、說明：

（一）日期：103 年 07 月 09 日（星期三）

（二）時間：專題演講 11:30 ~ 12:30

（三）地點：兒童醫院 12 樓醫學研究區 醫研部會議室

（四）主講者：Wen-Ching Chan, PhD/中央研究院

（五）課程簡介：

It is the new era in cancer studies of combining clinical and genomic data to inspect the interplay associating with environmental exposures, genetic factors and/or epigenetic regulations. By leveraging the power of Longitudinal Health Insurance Database (LHID), the community users gained the ability to conduct population-based studies with the elucidation of pre-defined information from diseases of interest. On the other hand, the technological advances in Next-Generation Sequencing (NGS) have given rise to numerous ground-breaking explorations of revealing limitless insight about the genome, transcriptome, and epigenome of any species. As a result, computational approaches play an essential role in the manipulation of population-based and genome-wide data to investigate the underlying functions and regulations in clinical studies. Using head and neck cancer (HNC) as example, the identification of somatic mutations and the association between methylome and transcriptome by using NGS data will be introduced. In the end, the participants in this talk will have a broad understanding of how computational aids can facilitate clinical studies like in cancer diagnosis, therapy and prognosis.

（六）報名方式：請依照附件(一)報名，以方便預估本次參與人數

（七）報名日期：即日起至 103 年 07 月 08 日止