高等教育深耕計畫-引領永續未來創新學院

【前瞻領域學程】系列講座

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講　題：**Virus dynamics - spatial heterogeneous environment v.s. drug efficacy**

時　間：**2019年5月29日(星期三)下午2：30～3：30**

地　點：**應數系多媒體教室(理學院408室)**

摘　要

Classical virus models were proposed based on the concept of well-mixture within the host. However, during a drug treatment, the drug concentration may be low in some regions (drug sanctuary) and then the spatial heterogeneity can be an issue in the research. We explore a virus model in heterogeneous environments, which imitates the complexity of the human body. How the heterogeneous environments affect the the drug efficacy and then the viral dynamics are significant in administrating a drug therapy. Especially, it is interesting to study the optimal phase difference between multi-drug therapy and establish the optimal distribution of drugs in the multi-compartmental environment.

主辦單位：國立高雄大學統計學研究所、應用數學系

協辦單位：國立高雄大學巨量資料研究中心

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