

國立中央大學

統計研究所

學術演講

主 講 人：杜憶萍 博士（中央研究院 統計科學研究所）

講 題：Statistical Analysis for cryo-Electron Microscopy Images

時 間：107 年 05 月 08 日（星期二）上午 11：00 ~ 12：00

地 點：中央大學 綜教館O209室

茶 會：上午 10：30 ~ 11：00 地 點：鴻經館 510 室

ABSTRACT

In recent years, technical breakthrough has transformed cryo-electron microscopy (cryo-EM) to become a main stream tool for solving protein structures to atomic resolution in solution or virtually without the need of crystals. As a result, the 2017 Nobel Prize of Chemistry was awarded to three pioneers in developing single-particle cryo-EM. However, the process of structural determination from single-particle cryo-EM images is still very challenging in terms of computations because of involving processing large scale of extremely noisy protein projection images that are random in orientation. In this talk, we will present our experiences in data analysis for cryo-EM images.

◎敬請張貼

歡迎參加◎