國立中興大學資料科學與資訊計算研究所學術演講

主講人：陳鯨太 教授

講題：

Application of artificial intelligence and data science on bioinformatics
人工智慧及資料科學在生物資訊上的應用

摘要：

In this talk I am going to share my personal experiences in applying artificial intelligence and data science skills on bioinformatics. The first half of the talk is focused on data science skills on computational proteomics. I will talk about how I build up Multi-Q 2 software and why it is the most accurate software for isobaric-labeing quantitative proteomics to date. My MOST proposal of using artificial intelligence to improve quantitation accuracy will also be covered. Next, I will talk about topics of applying machine learning to solve open problems in biology, such as protein-protein interaction site prediction, protein N-linked glycosylation site prediction, and protein function prediction.

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