



統計科學研究所

INSTITUTE OF
STATISTICAL SCIENCE



統計所學術演講



中研院統計所

學 術 演 講

講 題：Causal Inference in Precision Medicine: Past, Current, and Future

講 者：Prof. Xiao-Hua Zhou (周曉華 教授)
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時 間：2022年12月29日(星期四)，10:30-12:00

地 點：統計所B1演講廳

Abstract

With recent advancement in basic science and technology, precision medicine has been advocated in medical community and influenced policymaking. Precision medicine aims to tailor medical treatments according to patient characteristics, and it has gained a lot of attention in modern biomedical research. The success of precision medicine crucially depends on the development of accurate and reliable statistical tools for making causal inference about the optimal treatment regime given the data collected from clinical trials or observational studies. In this talk, I will review some past and current statistical methodology for making causal inference in precision, particularly, using the covariate-specific treatment effect (CSTE) curve, and discuss some future research directions.

※ 茶 會：10：10。

※ 實體與線上視訊同步進行。