



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：Artificial Intelligence Methods for Cancer  
Pathology Evaluation

講者：Prof. Kun-Hsing Yu (余坤興 教授)  
( Department of Biomedical Informatics, Harvard Medical  
School, USA )

時間：2022年10月3日(星期一)，10:30-12:00

地點：統計所B1演講廳

### Abstract

Artificial intelligence (AI) is gradually changing the landscape of cancer pathology diagnosis. With recent progress in weakly-supervised machine learning algorithms, explainable AI, and high-resolution whole-slide digitization, AI methods have the potential for augmenting cancer subtyping and personalizing treatments. In this talk, I will describe interpretable and generalizable methods for extracting biological signals from gigapixel whole-slide pathology images, present case studies on integrative pathology-miomics analyses, and identify the challenges for further progress in automated pathology evaluation.

- ※ 實體與線上視訊同步進行。
- ※ 茶會：上午10:10開始。