

# Distinguished Lecture by Dr James Zou

## Biomedicine in the Age of Generative AI

**25**  
**APR 2024**

**10:00 – 11:00 am**

Venue: Mrs. Padma Harilela Lecture Theatre  
(WLB 104), Shaw Campus, HKBU

Moderator: Dr Eric Zhang, HKBU

Language: English

Scan for Registration



**Dr James Zou,**  
**Associate Professor of**  
**Stanford University**

### Abstract

The talk will explore how we can develop and use generative AI to help researchers, clinicians, and patients. It will first discuss how we employ AI to generate recipes for the creation and validation of new drugs. Then, the talk will present how we developed visual-language AI to help clinicians interpret histology images. Finally, the talk will also discuss how we use large language models (LLMs) to simplify medical forms and improve the informed consent process for patients. To conclude, it will discuss perspectives on what's on the new horizon for generative AI.

### Biography

James Zou is an associate professor of Biomedical Data Science, CS and EE at Stanford University. He is also the faculty director of Stanford AI4Health. He works on both improving the foundations of ML—by making models more trustworthy and reliable—as well as in-depth scientific and clinical applications. Many of his innovations are widely used in tech and biotech industries. He has received a Sloan Fellowship, an NSF CAREER Award, two Chan-Zuckerberg Investigator Awards, a Top Ten Clinical Achievement Award, several best paper awards, and faculty awards from Google, Amazon, Tencent and Adobe. His research has also been profiled in popular press including the NY Times, WSJ, and WIRED.