



**DEPARTMENT OF GENETICS
&
HUMAN GENETICS INSTITUTE OF NEW JERSEY**

RESEARCH SEMINAR

**“Using single-cell computation and biology
to overcome tissue and disease boundaries”**



Jiekun (Jackie) Yang, Ph.D.
Research Scientist
Electrical Engineering and
Computer Science Departments
Massachusetts Institute of
Technology

Our understanding of diseases has been limited to tissue-level, and recently single-cell-level of disease-relevant tissues without considering other tissues within an organism. I strive for a systematic understanding in health and disease, specifically cancer and obesity, in a multi-tissue multi-omic single-cell manner. In this talk, I will present part of my published and also unpublished work delineating our efforts in single-cell transcriptomic dissection primarily of obesity-exercise axis and melanoma immunotherapy response in mouse and human.

Noon, Monday, February 20, 2023

[Join Zoom Meeting](#) | Meeting ID: 963 3843 9086 | Passcode: Genetics

Host: Genetics Department, Phone: 848-445-1638, Email: carmona@dls.rutgers.edu