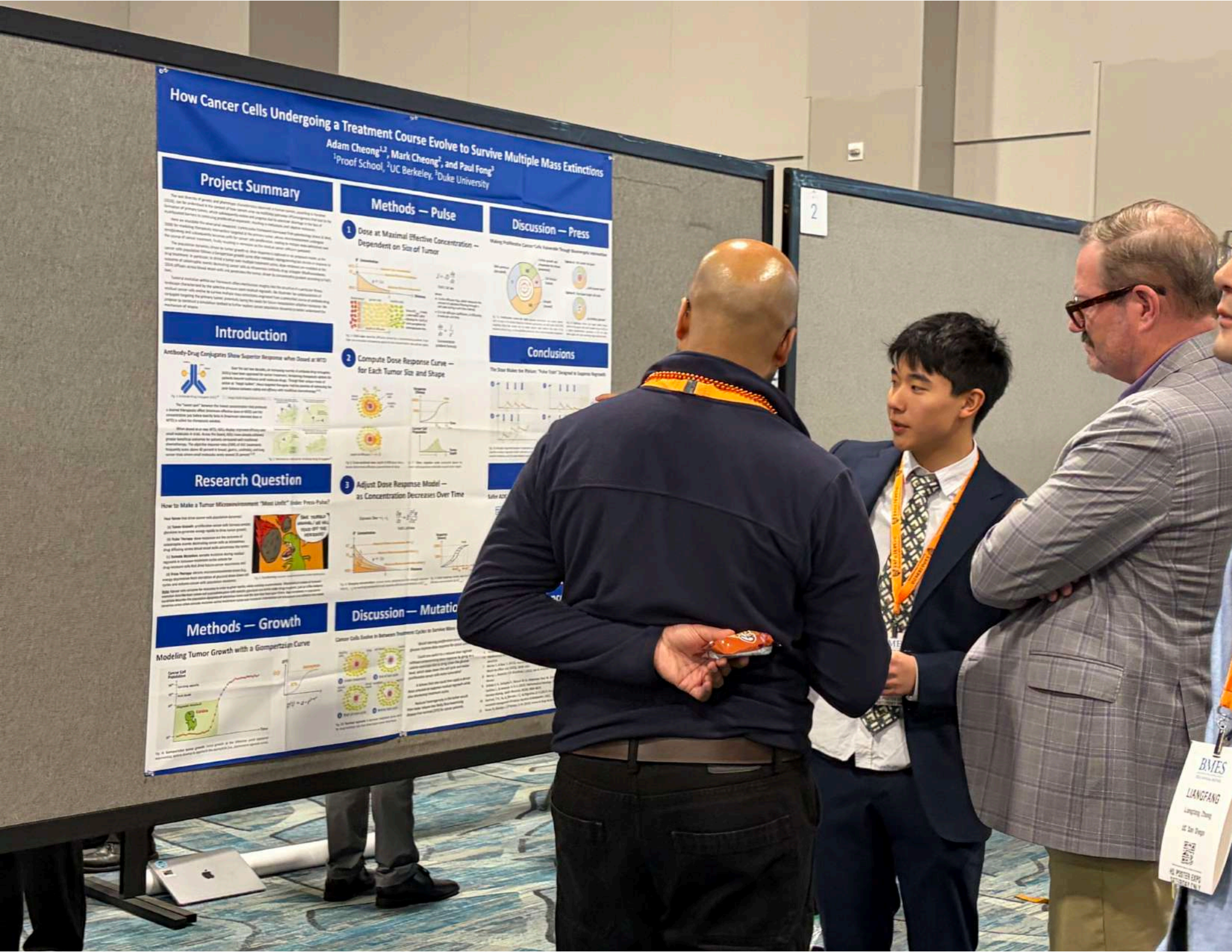

How Cancer Cells Undergoing a Treatment Course Evolve to Survive Multiple Mass Extinctions
Adam Cheong[1,2], Mark Cheong[2], and Paul Fong[3]
[1]Proof School, [2]UC Berkeley, [3]Duke University
Project Summary
Introduction
Antibody-Drug Conjugates Show Superior Response when Dosed at MTD
Research Question
How to Make a Tumor Microenvironment "Most Unfit" Under Press-Pulse?
Methods — Growth
Modeling Tumor Growth with a Gompertzian Curve
Methods — Pulse
1 Dose at Maximal Effective Concentration — Dependent on Size of Tumor
2 Compute Dose Response Curve — for Each Tumor Size and Shape
3 Adjust Dose Response Model — as Concentration Decreases Over Time
Discussion — Press
Conclusions
2
BMES
LIANGFANG