



February 9, 2022

To whom it may concern:

Biostatistics Statement

Title of Study: iCEMIGE: Integration of CELL-morphometrics, Microbiome, and Gene biomarker signatures for risk stratification in breast cancers

Principal Investigators: Jian-Hua Mao^{1,2*}, Hang Chang^{1,2*}

¹Berkeley Biomedical Data Science Center, Lawrence Berkeley National Laboratory, Berkeley, CA, USA

²Biological Systems and Engineering Division, Lawrence Berkeley National Laboratory, Berkeley, CA, USA

This is to confirm that I have read through the study design and method sections of the manuscript for the above study. In my opinion, the statistical methods and techniques used in the analysis are appropriate for the study.

Sincerely,

A handwritten signature in black ink, appearing to read "Yongzhao Shao".

Yongzhao Shao, PhD., Professor
Division of Biostatistics
Department of Population Health
New York University Grossman School of Medicine
New York, NY 10016
USA