



IEEE Northeast Michigan USA



IEEE 4th International Conference on Computing and Machine Intelligence April 05-06, 2025 Central Michigan University

CERTIFICATE

of Participation

This certificate is presented to

Terry Xie

For participating and presenting the paper titled:

Predicting Cardiovascular Disease Risk Through Machine Learning Analysis of Gut Microbiota Metabolite Flux Modeling with Flux-Balance Analysis

General Chair Ahmed Abdelgawad, PhD